United States: 2012

2012 Economic Census
Transportation

2012 Commodity Flow Survey
Issued February 2015
EC12TCF-US

U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

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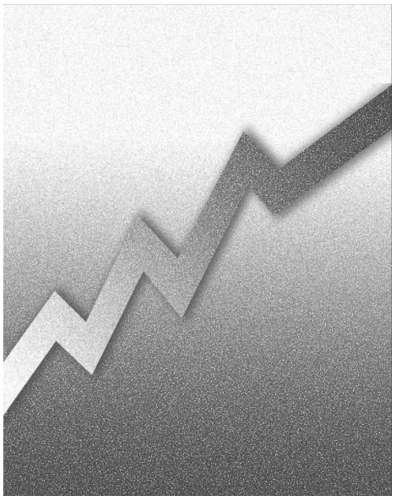

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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the U.S. Code (Sections 131, 191, and 224) directs the U.S. Census Bureau to take the economic census every 5 years, ending in "2" and "7."

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the federal government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, ship, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

All results of the 2012 Economic Census are available on the American FactFinder Internet site <www.factfinder.census.gov>. The American FactFinder system at the Web site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Web site; write to the U.S. Census Bureau, Washington, DC 20233-8300; or call the Customer Services center at 1-800-923-8282 or 301-763-4636.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Census of Manufactures was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some service trades in 1933.

Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated, providing comparable census data across economic sectors and using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records have also been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census report forms.

The range of industries covered in the economic censuses expanded between 1967 and 2007. The census of construction industries began on a regular basis in 1967; and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also, new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census

of agriculture collectively covered roughly 98 percent of all economic activity. In 2002, there was new coverage in the following four industries classified in the Agriculture, Forestry, and Fishing sector under the Standard Industrial Classification (SIC) system: landscape agricultural services, landscaping services, veterinary services, and pet care services.

Printed statistical reports from the 1997 and earlier economic censuses provide historical figures for the study of long-term time series and are available in some large libraries. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases including all or nearly all data published in print, plus additional statistics, such as Zip Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about scope, coverage, and classification system for each economic census and related surveys is published in the "What's New" section of the 2012 Economic Census Web site at <www.census.gov/econ/census/about/whats_new.html>. Data items and publications for each economic census and related surveys are published as part of the 2012 Economic Census on American FactFinder at <www.factfinder.census.gov>. More information on the methodology, procedures, and history of each economic census is published in the "Methodology" section of the 2012 Economic Census Web site at <www.census.gov/econ/census/help/methodology_disclosure/>.

2012 Commodity Flow Survey

GENERAL

The Commodity Flow Survey (CFS) is a joint effort by the Bureau of Transportation Statistics (BTS) and the U.S. Census Bureau, U.S. Department of Commerce. The survey is the primary source of national and state-level data on domestic freight shipments by establishments in mining, manufacturing, wholesale, auxiliaries, and selected retail and services trade industries located in the 50 states and the District of Columbia. Data are provided on the type, origin and destination, value, weight, modes of transportation, distance shipped, and ton-miles of commodities shipped. The CFS is conducted every 5 years as part of the economic census. It provides a modal picture of national freight flows and represents the only publicly available source of commodity flow data for the highway mode. The CFS was conducted in 1993, 1997, 2002, 2007, and most recently in 2012.

The CFS assesses the demand for transportation facilities and services, energy use, and safety risk and environmental concerns. CFS data are used by policy makers and transportation planners in various federal, state, and local agencies. Additionally, business owners, private researchers, and analysts use the CFS data for analyzing trends in the movement of goods, mapping spatial patterns of commodity and vehicle flows, forecasting demands for the movement of goods, and determining needs for associated infrastructure and equipment.

SCOPE

Industry Coverage

The 2012 CFS covers business establishments with paid employees that are located in the United States and are classified using the 2007 North American Industry Classification System (NAICS) in mining, manufacturing, wholesale, and selected retail and services trade industries, namely, electronic shopping and mail-order houses, fuel dealers, and publishers. Additionally, the survey covers auxiliary establishments (i.e., warehouses and managing offices) of multiestablishment companies.

For the 2012 CFS, a targeted Advance Survey (precanvass) was conducted in 2011 to improve the quality of the data on the frame for certain industries or types of establishments. The groups included in this advance survey were:

Advance survey group	Number of establishments
Auxiliaries (NAICS 484, 4931, 551114)	34,985
Small electronic shopping and mail order establishments (NAICS 4541)	13,431
Small publishers (NAICS 5111)	11,804
Large establishments	39,608
Total	**99,828**

For the first three groups, the purpose was to identify those establishments that actually conduct shipping activities. In these groups, surveyed establishments that reported that they did not conduct any shipping activity were excluded from the eventual CFS sample universe. For large establishments the objective was to obtain an accurate measure of their shipping activity.

CFS Industries

In-scope industries for the 2012 CFS were selected based on the 2007 NAICS. Industries included in the 2007 and 2002 CFS were selected based on the 2002 and 1997 versions of the NAICS, respectively. The industries in the 1997 CFS and the 1993 CFS were selected based on the 1987 Standard Industrial Classification System (SIC) and, although attempts were made to maintain similar coverage among the SIC based surveys (1993 and 1997) and the NAICS based surveys (2002, 2007, and 2012), there have been some changes in industry coverage due to the conversion from SIC to NAICS. Most notably, coverage of the logging industry changed from an in-scope Manufacturing (SIC 2411) to the out-of-scope sector of Agriculture, Forestry, Fishing, and Hunting under NAICS 1133. Also, publishers were reclassified from Manufacturing (SIC 2711, 2721, 2731, 2741, and part of 2771) to Information (NAICS 5111 and 51223) and were excluded in the 2002 CFS. The 2007 and 2012 CFS, however, include publishers and retail fuel dealers.

The (2007) NAICS industries covered in the 2012 CFS are listed in the following table:

NAICS code	Description
212	Mining (except oil and gas)
311	Food manufacturing
312	Beverage and tobacco product manufacturing
313	Textile mills
314	Textile product mills
315	Apparel manufacturing
316	Leather and allied product manufacturing
321	Wood product manufacturing
322	Paper manufacturing
323[1]	Printing and related support activities (except 323122)
324	Petroleum and coal products manufacturing
325	Chemical manufacturing
326	Plastics and rubber products manufacturing
327	Nonmetallic mineral product manufacturing
331	Primary metal manufacturing
332	Fabricated metal product manufacturing
333	Machinery manufacturing
334	Computer and electronic product manufacturing
335	Electrical equipment, appliance, and component manufacturing
336	Transportation equipment manufacturing
337	Furniture and related product manufacturing
339	Miscellaneous manufacturing
4231[2]	Motor vehicle and parts merchant wholesalers
4232[2]	Furniture and home furnishing merchant wholesalers
4233[2]	Lumber and other construction materials merchant wholesalers
4234[2]	Commercial equip. merchant wholesalers
4235[2]	Metal and mineral (except petroleum) merchant wholesalers
4236[2]	Electrical and electronic goods merchant wholesalers
4237[2]	Hardware and plumbing merchant wholesalers
4238[2]	Machinery, equipment, and supplies merchant wholesalers
4239[2]	Miscellaneous durable goods merchant wholesalers
4241[2]	Paper and paper products merchant wholesalers
4242[2]	Drugs and druggists' sundries merchant wholesalers
4243[2]	Apparel, piece goods, and notions merchant wholesalers
4244[2]	Grocery and related product merchant wholesalers
4245[2]	Farm product raw material merchant wholesalers
4246[2]	Chemical and allied products merchant wholesalers
4247[2]	Petroleum and petroleum products merchant wholesalers
4248[2]	Beer, wine, and distilled alcoholic beverage merchant wholesalers
4249[2]	Miscellaneous nondurable goods merchant wholesalers
4541	Electronic shopping and mail-order houses
45431	Fuel dealers
4841[3]	General freight trucking
4842[3]	Specialized freight trucking
4931[3]	Warehousing and storage
5111[4]	Newspaper, periodical, book, and directory publishers
551114[5]	Corporate, subsidiary, and regional managing offices

[1] Excludes Prepress Services (NAICS 323122). [2] Wholesale establishments exclude manufacturers sale offices and own brand importers. [3] Includes only captive warehouses that provide storage and shipping support to a single company. Warehouses offering their services to the general public and other businesses are excluded. NAICS 4841 and 4842 are new industries to the 2012 CFS. For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931. [4] In 2007, NAICS 51223 Music Publishers was tabulated and published in NAICS 5111. However, for the 2012 cycle, NAICS 51223 was not sampled. [5] Includes only those establishments in NAICS 551114 with shipping activity. Notes: *Excluded industries*: Foreign establishments, establishments classified in transportation, construction, and most retail and services industries are excluded. Other industry areas that are not covered, but may have significant shipping activity, include agriculture and government. For agriculture, specifically, this means that the CFS does not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward. *General exclusions:* Data for government-operated establishments are excluded from the CFS. These include public utilities, publicly operated bus and subway systems, public libraries, and government-owned hospitals. The CFS also excludes establishments or firms with no paid employees.

Shipment Coverage

The CFS captures data on shipments originating from select types of business establishments located in the 50 states and the District of Columbia. The CFS does not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Likewise, shipments traversing the United States from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to an initial U.S. location. However, imported products are included in the CFS from the point that they leave the importer's initial U.S. location for shipment to another location.

Shipments that are shipped through a foreign territory with both the origin and destination in the United States are included in the CFS data. The mileage calculated for these shipments exclude the foreign country segments (e.g., shipments from New York to Michigan through Canada do not include any mileage for Canada). Export shipments are included, with the domestic destination defined as the U.S. port, airport, or border crossing of exit from the United States. See the Mileage Calculation section for additional detail on how mileage estimates were developed.

Data Collection

Each establishment selected into the CFS sample was mailed a questionnaire for each of its four reporting weeks, that is, an establishment was sent a questionnaire once every quarter of 2012. For a given establishment, the respondent was asked to provide the following information about each of the establishment's reported shipments:

- Shipment ID number
- Shipment date (month, day)
- Shipment value
- Shipment weight in pounds
- Commodity code from Standard Classification of Transported Goods (SCTG) list
- Commodity description
- An indication of whether the shipment was temperature controlled
- United Nations or North American (UN/NA) number for hazardous material shipments
- U.S. destination (city, state, zip code)—or gateway for export shipment
- Modes of transport
- An indication of whether the shipment was an export
- City and country of destination for exports
- Export mode

By CFS definition, a shipment is a single movement of goods, commodities, or products from an establishment to a single customer or to another establishment owned or operated by the same company as the originating establishment (e.g., a warehouse, distribution center, or retail or wholesale outlet). Full or partial truckloads were counted as a single shipment only if all commodities on the truck were destined for the same location. For multiple deliveries on a route, the goods delivered at each stop were counted as one shipment. Interoffice memos, payroll checks, or business correspondence were not included in the CFS. Likewise, the CFS does not include shipments of refuse, scrap paper, waste, or recyclable materials unless the establishment was in the business of selling or providing these materials.

For a shipment that included more than one commodity, the respondent was instructed to report the commodity that made up the greatest percentage of the shipment's weight.

In addition, establishments were asked to provide information about the use and extent of rush delivery services.

Data Collection Method

The CFS survey was conducted through a mailout/mailback with an electronic reporting option. Each establishment selected into the 2012 CFS sample was mailed four questionnaires—one during each calendar quarter of the year 2012. The four questionnaires were the same for all reporting periods (see Appendix E for a copy of the questionnaire). The establishments were asked to provide shipment information about a sample of their individual outbound shipments during a prespecified one-week period in each calendar quarter. Each of the 4 weeks was in the same relative position of the calendar quarter. Respondents had the option of reporting electronically and were given log-in information on their mailed questionnaire.

Mileage Calculations

General

The distance traveled by each freight shipment reported by the respondents to the 2012 CFS was estimated by a software tool called GeoMiler that uses routing algorithms and an integrated, intermodal transportation network that has been developed and updated expressly for this purpose. Each shipment record contained the ZIP Codes of shipment origin and destination (O-D pair) and the mode or modal sequence required by the routing algorithm for distance estimation. Each record also contained information on type of commodity moved, its weight, dollar value, and hazardous materials (hazmat) status. For each export shipment, the U.S. port of exit (POE) was also identified, along with foreign destination country; a destination country of Canada/Mexico also required a Canadian/Mexican destination city.

Valid and accurate O-D pair ZIP Codes were essential elements needed for estimating the travel distance of any shipment. For shipments with missing or invalid geographic data elements, such data elements were imputed, if a reasonable correction appeared obtainable (e.g., if a specific destination city/state was provided, then a "reasonably reliable" destination ZIP Code was imputed for the shipment). Follow-up contact with respondents was required when the missing information could not be reasonably imputed.

GeoMiler—Software to Measure the Distance Traveled by Commodity Shipments

The CFS does not ask respondents to report the distance traveled for each shipment. Therefore, shipment mileage was calculated using GeoMiler, a routing tool developed by BTS specifically for CFS mileage calculations. GeoMiler used current Geographic Information System (GIS) technology and spatial multimodal network databases and integrated map-visualization features with route solvers to handle many alternative multimodal combinations. This tool used algorithms that found the quickest path over spatial representations of the U.S. highway, railway, waterway, and airway networks. For waterborne export shipments, GeoMiler used a waterborne commerce database from the U.S. Army Corps of Engineers (USACE) to route freight originating in the United States via the deep sea (ocean). For airborne export shipments, GeoMiler used an updated air export network from the BTS Office of Airline Information (OAI).

Methodological Changes to Mileage Calculation for the 2012 CFS

With a valid origin and destination Zip Code, GeoMiler will calculate the distance traveled (in miles) by mode for each shipment reported in the CFS. The following types of methodological changes to mileage processing were incorporated in 2012:

- A shipment with a respondent-provided mode of Parcel must weigh 150 pounds or less; in addition, a shipment with a respondent-provided mode of Air was not given a weight restriction.
- A mode of transportation was imputed whenever a respondent provided a mode of Other, or Unknown, or otherwise failed to provide a modal response (missing mode) for a shipment.
- Private truck is considered a "short-haul" mode; hence Private truck shipments were not routed more than 500 miles during shipment routing.

Air Versus Parcel Mode

According to the 2007 CFS Instruction Guide, an Air shipment was defined as a shipment that weighed 100 pounds or more. During mileage processing for the 2007 CFS,

an Air shipment was manually converted to Parcel if the weight of the shipment was less than 100 pounds.

However, airlines do not necessarily have minimum weight restrictions when transporting cargo. Hence, for the 2012 CFS, the definition of an Air shipment was changed. As a result, an Air shipment was acceptable as provided by the respondent, regardless of weight.

Furthermore, for the 2012 CFS, Parcel shipments conformed to the definition used by the parcel industry that a parcel is a shipment of 150 pounds or less. For shipments submitted by the respondent with mode of Parcel and a weight above 150 pounds, GeoMiler changed the mode to For-hire truck during mileage processing.

Routing a Shipment When Mode Is Other, Unknown, or Missing

On the survey form, respondents were given the following choices for mode of transport: Air, Highway (Private truck or For-hire truck), Rail, Waterway (Inland water or Deep sea), Parcel, Pipeline, Other mode (meaning none of the above), or Unknown.

During the 2007 CFS mileage processing, 2.4 percent of shipments had a respondent-provided mode of Unknown or Other, and an additional 2.1 percent had no reported mode at all. In these situations, the mode of transport was imputed. For 2012 CFS mileage processing, if the shipment weighed less than 80,000 pounds, it was routed via Highway mode as For-hire truck; if the shipment weighed 80,000 pounds or more, it was routed via Rail mode.

Private Truck Versus For-Hire Truck

Shipments via Private truck are generally "short-haul" in nature. Because of the number of shipments exceeding this norm in the 2007 CFS, Census Bureau analysts researched the Private truck shipments at or above 500 miles. In almost all cases, the mode should have been reported as For-hire truck instead of Private truck.

Consequentially, for 2012 CFS GeoMiler mileage processing, Private truck was converted to For-hire truck if the shipment mileage was equal to or greater than 500 miles, regardless of the commodity being transported. The 2012 CFS preliminary data shows a decrease from 2007 in average miles per shipment for Private truck, with an average of 46 miles per shipment.

Mileage for Domestic Shipments

For a domestic shipment, the mileage was calculated between the centroid (center of a geographic area) of the U.S. origin ZIP Code and the centroid of the destination ZIP Code. The route between an O-D pair was composed of a series of links, and an impedance factor was assigned to each link (impedance is defined as a function of distance and travel time). Given a mode or modal sequence, the role of GeoMiler was to find that "best path" route which minimized the total impedance of the links between the specified O-D pair.

The mileage for shipments within a ZIP Code (matching O-D pair) was calculated by means of a formula that approximated the longest distance within the boundaries of that ZIP Code.

For multimodal shipments (those shipments involving more than one mode, such as truck-rail shipments), spatial joins (intermodal transfer links) were added to the network database to connect the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at BTS to identify likely transfer points for freight. An algorithm was used to find the minimum impedance path between a shipment's origin ZIP Code to the transfer point and then from the transfer point to the destination ZIP Code. Thus, for multimodal shipments, the cumulative length of the spatial joins, plus links on the path, was used for estimating distances.

To estimate highway mileage, GeoMiler considered the functional class of highway so that the "single best path" was the quickest path based on the likely use of interstate and other major roadways and not necessarily the shortest path. The "quickest path" algorithms in terms of travel time incorporated the following hierarchical functional class of highway:

1. Interstate route
2. U.S. route
3. State route
4. County or other local route

The model favored the selection of higher-order routes (interstate) rather than lower-order routes (state and county), which provided a more realistic path for freight movement via highway.

To estimate railway mileage, GeoMiler selected a "single best path" from those calibrated with route density information obtained from sampled rail waybills, assigned a specific railroad company at shipment origin, and considered ownership, trackage rights, and interlining (the

transfer from one railroad company's trackage network to that of another).

To estimate waterway mileage, GeoMiler selected a "single best path" from the USACE waterway network featuring dock-to-dock movements (from the dock nearest to origin, to the dock nearest to destination) by specific two-digit commodity codes for the Standard Classification of Transported Goods (SCTG).

To estimate domestic airway mileage, GeoMiler selected the "single best path" from the three airports closest to the origin ZIP Code to the three airports closest to the destination ZIP Code. Criteria for route selection were calibrated with air route information provided by the OAI at BTS. As in the past, to be acceptable, an airway routing must generate at least twice as many airway miles as highway miles (the ratio of air/truck miles should be at least 2 to 1) in order to reach the destination. Consequently, GeoMiler chose the most likely air route from those routes that were nonstop (direct) from airport facilities with higher cargo lifts (weight transported between two airports) based on the OAI air cargo data.

Mileage for Pipeline Shipments

For pipeline shipments, ton-miles and average miles per shipment are not shown in the data files. For most of these shipments, the respondents reported the shipment destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment. For security purposes, there is no pipeline network available in the public domain with which to route petroleum-based products. Hence, any modal distance, either single or multi, involving pipeline was considered as solely pipeline mileage from origin ZIP Code to destination ZIP Code and calculated to equal great circle distance (GCD). GCD is defined as the shortest distance between two points on the earth's surface, taking into account the earth's curvature.

Mileage Routing in Alaska

Much of Alaska is inaccessible by any mode of transportation except "bush" airplanes. A "bush" airplane is a small aircraft that usually carries no more than four people, including the "bush" pilot. For the 2012 CFS, a network of mini airports, more extensive than that used previously in the 2007 CFS, was incorporated into intrastate travel within Alaska to accommodate "short-hop" flights where no established roads existed, especially in cases where the respondent reported a mode of highway.

Mileage for Export Shipments

For all exports, GeoMiler determined a U.S. port of exit (POE): seaport, airport, or border crossing (in the case of highway exports to the border countries of Canada/Mexico). However, only the portion of mileage measured within U.S. borders was included as domestic mileage in the CFS estimates for export shipments. To find the POE, GeoMiler used foreign destination country, type of commodity being exported, port volume (tonnage), and domestic travel distances.

The mileage estimates for export shipments in the 2012 CFS included the total distance from the shipment origin up to the exit point on the U.S. territorial borders.

For waterway exports via inland waterways (e.g., the Mississippi River), the mileage calculation included the distance from an inland water POE (such as St. Louis) to a coastal POE (such as New Orleans), and this extra inland waterway mileage was included in the total domestic mileage for this shipment.

For waterway exports via the Great Lakes (Lakes Erie, Huron, Michigan, Ontario, Superior), the mileage calculation was continued from a Great Lakes POE (such as Chicago, Cleveland, Duluth) to the line of demarcation between the United States and Canada (drawn within each of the Great Lakes except Michigan), and this extra Great Lakes mileage was included in the total domestic mileage for this shipment.

For airway exports, the total domestic mileage included the mileage from the inland POE to a coastal point on the U.S. landmass (where the air flight path to a foreign country intersected with the U.S. territorial border).

Availability of Additional Transportation Data

Users of transportation data may be especially interested in the reports from the Service Annual Survey, which can be found on the Census Bureau's Web site at <www.census.gov/services>. This survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected include operating revenue and operating revenue by source, percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

Table 1a.

Shipment Characteristics by Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
All modes	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**	**630**
Single modes	**11,900,364**	**85.9**	**10,905,518**	**96.5**	**2,697,418**	**90.8**	**262**
Truck[2]	10,132,229	73.1	8,060,166	71.3	1,247,717	42.0	227
For-hire truck	6,504,636	47.0	4,298,693	38.0	1,050,942	35.4	508
Private truck	3,627,592	26.2	3,761,472	33.3	196,775	6.6	58
Rail	473,070	3.4	1,628,537	14.4	1,211,481	40.8	805
Water	301,554	2.2	575,996	5.1	192,866	6.5	908
Inland water	218,927	1.6	424,542	3.8	118,742	4.0	275
Great Lakes	424	Z	31,403	0.3	10,959	0.4	347
Deep sea	59,878	0.4	72,987	0.6	22,130	0.7	1,157
Multiple waterways	22,325	0.2	47,064	0.4	41,035	1.4	1,034
Air (includes truck and air)	450,575	3.3	4,845	Z	5,810	0.2	1,295
Pipeline[3]	542,936	3.9	635,975	5.6	S	S	S
Multiple modes	**1,950,753**	**14.1**	**357,047**	**3.2**	**271,832**	**9.2**	**922**
Parcel, U.S. Postal Service, or courier	1,688,242	12.2	28,490	0.3	22,716	0.8	922
Truck and rail	224,833	1.6	213,814	1.9	169,524	5.7	988
Truck and water	29,035	0.2	56,720	0.5	48,568	1.6	1,562
Rail and water	7,976	0.1	55,570	0.5	29,170	1.0	1,073
Other multiple modes	668	Z	2,452	Z	1,853	0.1	S
Other modes	**1,026**	**Z**	**36,844**	**0.3**	**256**	**Z**	**S**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 1b.

Shipment Characteristics by Mode of Transportation for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Mode of transportation	Value			Tons			Ton-miles[1]			Average miles per shipment		
	2012 (million dollars)	2007 (million dollars)	Percent change	2012 (thousands)	2007 (thousands)	Percent change	2012 (millions)	2007 (millions)	Percent change	2012	2007	Percent change
All modes	**13,852,143**	**11,684,872**	**18.5**	**11,299,409**	**12,543,425**	**–9.9**	**2,969,506**	**3,344,658**	**–11.2**	**630**	**619**	**1.7**
Single modes	**11,900,364**	**9,539,037**	**24.8**	**10,905,518**	**11,698,128**	**–6.8**	**2,697,418**	**2,894,251**	**–6.8**	**262**	**234**	**12.0**
Truck[2]	10,132,229	8,335,789	21.6	8,060,166	8,778,713	–8.2	1,247,717	1,342,104	–7.0	227	206	9.9
For-hire truck	6,504,636	4,955,700	31.3	4,298,693	4,075,136	5.5	1,050,942	1,055,646	–0.4	508	599	–15.3
Private truck	3,627,592	3,380,090	7.3	3,761,472	4,703,576	–20.0	196,775	286,457	–31.3	58	57	0.8
Rail	473,070	436,420	8.4	1,628,537	1,861,307	–12.5	1,211,481	1,344,040	–9.9	805	728	10.6
Water	301,554	114,905	162.4	575,996	403,639	42.7	192,866	157,314	22.6	908	520	74.7
Inland water	218,927	91,004	140.6	424,542	343,307	23.7	118,742	117,473	1.1	275	144	90.6
Great Lakes	424	S	S	31,403	17,792	76.5	10,959	6,887	59.1	347	657	–47.2
Deep sea	59,878	23,058	159.7	72,987	42,540	71.6	22,130	32,954	–32.8	1,157	923	25.4
Multiple waterways	22,325	X	X	47,064	X	X	41,035	X	X	1,034	X	X
Air (includes truck and air)	450,575	252,276	78.6	4,845	3,611	34.2	5,810	4,510	28.8	1,295	1,304	–0.7
Pipeline[3]	542,936	399,646	35.9	635,975	650,859	–2.3	S	S	S	S	S	S
Multiple modes	**1,950,753**	**1,866,723**	**4.5**	**357,047**	**573,729**	**–37.8**	**271,832**	**416,642**	**–34.8**	**922**	**975**	**–5.4**
Parcel, U.S. Postal Service, or courier	1,688,242	1,561,874	8.1	28,490	33,900	–16.0	22,716	27,961	–18.8	922	975	–5.4
Truck and rail	224,833	187,248	20.1	213,814	225,589	–5.2	169,524	196,772	–13.8	988	1,007	–1.8
Truck and water	29,035	58,389	–50.3	56,720	145,521	–61.0	48,568	98,396	–50.6	1,562	1,429	9.3
Rail and water	7,976	13,892	–42.6	55,570	54,878	1.3	29,170	47,111	–38.1	1,073	1,928	–44.4
Other multiple modes	668	45,320	–98.5	2,452	113,841	–97.8	1,853	46,402	–96.0	S	1,182	S
Other modes	**1,026**	**279,113**	**–99.6**	**36,844**	**271,567**	**–86.4**	**256**	**33,764**	**–99.2**	**S**	**116**	**S**

S Withheld because estimate did not meet publication standards.
X Not applicable.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 1c.

Shipment Characteristics by Mode of Transportation for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Mode of transportation	Value		Tons		Ton-miles[1]	
	2012	2007	2012	2007	2012	2007
All modes	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single modes	**85.9**	**81.6**	**96.5**	**93.3**	**90.8**	**86.5**
Truck[2]	73.1	71.3	71.3	70.0	42.0	40.1
For-hire truck	47.0	42.4	38.0	32.5	35.4	31.6
Private truck	26.2	28.9	33.3	37.5	6.6	8.6
Rail	3.4	3.7	14.4	14.8	40.8	40.2
Water	2.2	1.0	5.1	3.2	6.5	4.7
Inland water	1.6	0.8	3.8	2.7	4.0	3.5
Great Lakes	Z	S	0.3	0.1	0.4	0.2
Deep sea	0.4	0.2	0.6	0.3	0.7	1.0
Multiple waterways	0.2	X	0.4	X	1.4	X
Air (includes truck and air)	3.3	2.2	Z	Z	0.2	0.1
Pipeline[3]	3.9	3.4	5.6	5.2	S	S
Multiple modes	**14.1**	**16.0**	**3.2**	**4.6**	**9.2**	**12.5**
Parcel, U.S. Postal Service, or courier	12.2	13.4	0.3	0.3	0.8	0.8
Truck and rail	1.6	1.6	1.9	1.8	5.7	5.9
Truck and water	0.2	0.5	0.5	1.2	1.6	2.9
Rail and water	0.1	0.1	0.5	0.4	1.0	1.4
Other multiple modes	Z	0.4	Z	0.9	0.1	1.4
Other modes	**Z**	**2.4**	**0.3**	**2.2**	**Z**	**1.0**

S Withheld because estimate did not meet publication standards.
X Not applicable.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.
[2] “Truck” as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 2a.

Shipment Characteristics by Total Modal Activity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Mode of transportation[1]	Ton-miles[2]		Average miles per shipment
	2012 (millions)	Percent of total	
Total	**2,969,506**	**100.0**	**611**
Truck[3]	1,255,146	42.3	223
Rail	1,387,777	46.7	878
Inland water	162,983	5.5	340
Great Lakes	31,931	1.1	414
Deep sea	65,262	2.2	1,277
Air	4,118	0.1	790
Pipeline[4]	S	S	S
Parcel, U.S. Postal Service, or courier	22,490	0.8	910
Other modes	256	Z	S

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 2b.

Shipment Characteristics by Total Modal Activity for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Mode of transportation[1]	Ton-miles[2]			Average miles per shipment		
	2012 (millions)	2007 (millions)	Percent change	2012	2007	Percent change
Total	**2,969,506**	**3,344,658**	**–11.2**	**611**	**610**	**0.2**
Truck[3]	1,255,146	1,351,531	–7.1	223	203	9.8
Rail	1,387,777	1,549,550	–10.4	878	852	3.0
Inland water	162,983	208,611	–21.9	340	217	57.0
Great Lakes	31,931	30,835	3.6	414	426	–2.9
Deep sea	65,262	92,062	–29.1	1,277	1,430	–10.7
Air	4,118	4,425	–6.9	790	1,080	–26.8
Pipeline[4]	S	S	S	S	S	S
Parcel, U.S. Postal Service, or courier	22,490	27,852	–19.3	910	971	–6.3
Other modes	256	33,510	–99.2	S	112	S

S Withheld because estimate did not meet publication standards.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 2c.

Shipment Characteristics by Total Modal Activity for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Mode of transportation[1]	Ton-miles[2]	
	2012	2007
Total	**100.0**	**100.0**
Truck[3]	42.3	40.4
Rail	46.7	46.3
Inland water	5.5	6.2
Great Lakes	1.1	0.9
Deep sea	2.2	2.8
Air	0.1	0.1
Pipeline[4]	S	S
Parcel, U.S. Postal Service, or courier	0.8	0.8
Other modes	Z	1.0

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 3a.

Shipment Characteristics by Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Distance shipped[1] (based on Great Circle Distance)	Value		Tons		Ton-miles[2]	
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total
Total	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**
Less than 50 miles	4,995,112	36.1	6,315,527	55.9	122,912	4.1
50 to 99 miles	1,356,710	9.8	1,139,713	10.1	104,942	3.5
100 to 249 miles	2,111,969	15.2	1,338,823	11.8	297,268	10.0
250 to 499 miles	1,735,174	12.5	949,748	8.4	460,993	15.5
500 to 749 miles	1,134,327	8.2	591,737	5.2	514,223	17.3
750 to 999 miles	796,942	5.8	446,299	3.9	525,243	17.7
1,000 to 1,499 miles	810,449	5.9	362,909	3.2	567,159	19.1
1,500 to 1,999 miles	489,495	3.5	105,065	0.9	238,211	8.0
2,000 miles or more	421,964	3.0	49,589	0.4	138,555	4.7

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 3b.

Shipment Characteristics by Distance Shipped for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Distance shipped[1] (based on Great Circle Distance)	Value			Tons			Ton-miles[2]		
	2012 (million dollars)	2007 (million dollars)	Percent change	2012 (thousands)	2007 (thousands)	Percent change	2012 (millions)	2007 (millions)	Percent change
Total	**13,852,143**	**11,684,872**	**18.5**	**11,299,409**	**12,543,425**	**–9.9**	**2,969,506**	**3,344,658**	**–11.2**
Less than 50 miles	4,995,112	3,851,545	29.7	6,315,527	6,948,743	–9.1	122,912	156,161	–21.3
50 to 99 miles	1,356,710	1,074,137	26.3	1,139,713	1,255,189	–9.2	104,942	122,646	–14.4
100 to 249 miles	2,111,969	1,777,031	18.8	1,338,823	1,585,315	–15.5	297,268	374,666	–20.7
250 to 499 miles	1,735,174	1,606,034	8.0	949,748	1,064,455	–10.8	460,993	529,308	–12.9
500 to 749 miles	1,134,327	1,019,498	11.3	591,737	618,981	–4.4	514,223	533,163	–3.6
750 to 999 miles	796,942	720,623	10.6	446,299	517,669	–13.8	525,243	616,594	–14.8
1,000 to 1,499 miles	810,449	730,366	11.0	362,909	397,272	–8.6	567,159	624,921	–9.2
1,500 to 1,999 miles	489,495	494,992	–1.1	105,065	95,511	10.0	238,211	207,175	15.0
2,000 miles or more	421,964	410,646	2.8	49,589	60,290	–17.7	138,555	180,023	–23.0

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 3c.

Shipment Characteristics by Distance Shipped for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Distance shipped[1] (Based on Great Circle Distance)	Value		Tons		Ton-miles[2]	
	2012	2007	2012	2007	2012	2007
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 50 miles	36.1	33.0	55.9	55.4	4.1	4.7
50 to 99 miles	9.8	9.2	10.1	10.0	3.5	3.7
100 to 249 miles	15.2	15.2	11.8	12.6	10.0	11.2
250 to 499 miles	12.5	13.7	8.4	8.5	15.5	15.8
500 to 749 miles	8.2	8.7	5.2	4.9	17.3	15.9
750 to 999 miles	5.8	6.2	3.9	4.1	17.7	18.4
1,000 to 1,499 miles	5.9	6.3	3.2	3.2	19.1	18.7
1,500 to 1,999 miles	3.5	4.2	0.9	0.8	8.0	6.2
2,000 miles or more	3.0	3.5	0.4	0.5	4.7	5.4

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 4a.

Shipment Characteristics by Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Shipment weight	Value		Tons		Ton-miles[1]		Average miles per shipment
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
Total	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**	**630**
Less than 50 lbs.	1,834,685	13.2	31,186	0.3	18,170	0.6	738
50 to 99 lbs.	449,065	3.2	17,511	0.2	6,774	0.2	389
100 to 499 lbs.	1,174,345	8.5	96,778	0.9	26,972	0.9	291
500 to 749 lbs.	356,543	2.6	49,115	0.4	11,429	0.4	233
750 to 999 lbs.	260,051	1.9	42,923	0.4	9,054	0.3	211
1,000 to 9,999 lbs.	2,563,775	18.5	700,842	6.2	158,537	5.3	221
10,000 to 49,999 lbs.	4,614,596	33.3	4,480,995	39.7	877,905	29.6	198
50,000 to 99,999 lbs.	1,049,816	7.6	2,227,930	19.7	180,287	6.1	79
100,000 lbs. or more	1,549,267	11.2	3,652,128	32.3	1,680,378	56.6	577

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 4b.

Shipment Characteristics by Shipment Weight for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Shipment weight	Value			Tons			Ton-miles[1]			Average miles per shipment		
	2012 (million dollars)	2007 (million dollars)	Percent change	2012 (thousands)	2007 (thousands)	Percent change	2012 (millions)	2007 (millions)	Percent change	2012	2007	Percent change
Total	**13,852,143**	**11,684,872**	**18.5**	**11,299,409**	**12,543,425**	**–9.9**	**2,969,506**	**3,344,658**	**–11.2**	**630**	**619**	**1.7**
Less than 50 lbs.	1,834,685	1,480,208	23.9	31,186	24,828	25.6	18,170	15,128	20.1	738	769	–4.0
50 to 99 lbs.	449,065	388,649	15.5	17,511	16,630	5.3	6,774	6,675	1.5	389	406	–4.2
100 to 499 lbs.	1,174,345	1,094,506	7.3	96,778	96,679	0.1	26,972	26,644	1.2	291	287	1.2
500 to 749 lbs.	356,543	309,788	15.1	49,115	47,963	2.4	11,429	10,974	4.1	233	229	1.5
750 to 999 lbs.	260,051	227,805	14.2	42,923	43,626	–1.6	9,054	9,573	–5.4	211	217	–3.1
1,000 to 9,999 lbs.	2,563,775	2,381,303	7.7	700,842	709,781	–1.3	158,537	167,196	–5.2	221	227	–2.7
10,000 to 49,999 lbs.	4,614,596	3,984,093	15.8	4,480,995	5,267,458	–14.9	877,905	984,285	–10.8	198	194	2.4
50,000 to 99,999 lbs.	1,049,816	685,084	53.2	2,227,930	2,340,485	–4.8	180,287	212,678	–15.2	79	89	–10.6
100,000 lbs. or more	1,549,267	1,133,436	36.7	3,652,128	3,995,975	–8.6	1,680,378	1,911,504	–12.1	577	595	–3.0

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 4c.

Shipment Characteristics by Shipment Weight for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

Shipment weight	Value		Tons		Ton-miles[1]	
	2012	2007	2012	2007	2012	2007
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 50 lbs.	13.2	12.7	0.3	0.2	0.6	0.5
50 to 99 lbs.	3.2	3.3	0.2	0.1	0.2	0.2
100 to 499 lbs.	8.5	9.4	0.9	0.8	0.9	0.8
500 to 749 lbs.	2.6	2.7	0.4	0.4	0.4	0.3
750 to 999 lbs.	1.9	1.9	0.4	0.3	0.3	0.3
1,000 to 9,999 lbs.	18.5	20.4	6.2	5.7	5.3	5.0
10,000 to 49,999 lbs.	33.3	34.1	39.7	42.0	29.6	29.4
50,000 to 99,999 lbs.	7.6	5.9	19.7	18.7	6.1	6.4
100,000 lbs. or more	11.2	9.7	32.3	31.9	56.6	57.2

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 5a.

Shipment Characteristics by Two-Digit Commodity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[2]	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**	**630**
01	Live animals and live fish	6,390	Z	2,237	Z	1,475	Z	565
02	Cereal grains (includes seed)	130,140	0.9	479,064	4.2	184,888	6.2	202
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	197,793	1.4	218,995	1.9	107,383	3.6	505
04	Animal feed, eggs, honey, and other products of animal origin	118,666	0.9	238,507	2.1	59,660	2.0	706
05	Meat, poultry, fish, seafood, and their preparations	302,153	2.2	90,090	0.8	43,798	1.5	184
06	Milled grain products and preparations and bakery products	151,799	1.1	115,109	1.0	53,947	1.8	169
07-R[3]	Other prepared foodstuffs and fats and oils	584,496	4.2	527,393	4.7	201,438	6.8	450
08-R[4]	Alcoholic beverages, and denatured alcohol	178,011	1.3	99,255	0.9	35,176	1.2	81
09	Tobacco products	67,395	0.5	2,919	Z	650	Z	830
10	Monumental or building stone	4,221	Z	11,366	0.1	1,605	0.1	135
11	Natural sands	7,806	0.1	438,136	3.9	38,847	1.3	51
12	Gravel and crushed stone (excludes dolomite and slate)	17,519	0.1	1,538,494	13.6	82,244	2.8	30
13	Other nonmetallic minerals, n.e.c.	13,646	0.1	144,500	1.3	35,384	1.2	253
14	Metallic ores and concentrates	29,072	0.2	94,801	0.8	48,181	1.6	397
15	Coal	41,178	0.3	1,047,934	9.3	663,676	22.3	87
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	1,158,935	8.4	1,244,059	11.0	97,395	3.3	46
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	706,535	5.1	843,282	7.5	59,341	2.0	31
19	Other coal and petroleum products, n.e.c.	388,085	2.8	528,059	4.7	99,564	3.4	98
20	Basic chemicals	316,754	2.3	342,969	3.0	143,230	4.8	662
21	Pharmaceutical products	814,703	5.9	16,197	0.1	7,798	0.3	656
22	Fertilizers	84,213	0.6	193,918	1.7	61,745	2.1	142
23	Chemical products and preparations, n.e.c.	351,146	2.5	105,660	0.9	46,991	1.6	667
24	Plastics and rubber	549,130	4.0	182,918	1.6	100,600	3.4	696
25	Logs and other wood in the rough	4,527	Z	35,123	0.3	3,878	0.1	184
26	Wood products	144,134	1.0	297,429	2.6	82,275	2.8	299
27	Pulp, newsprint, paper, and paperboard	123,892	0.9	123,300	1.1	69,122	2.3	261
28	Paper or paperboard articles	126,268	0.9	76,530	0.7	26,687	0.9	634
29	Printed products	159,583	1.2	38,800	0.3	14,890	0.5	506
30	Textiles, leather, and articles of textiles or leather	465,777	3.4	39,849	0.4	25,485	0.9	1,064
31	Nonmetallic mineral products	180,504	1.3	793,046	7.0	93,581	3.2	414
32	Base metal in primary or semifinished forms and in finished basic shapes	457,280	3.3	304,658	2.7	109,923	3.7	320
33	Articles of base metal	352,135	2.5	100,754	0.9	41,985	1.4	530
34	Machinery	753,095	5.4	74,650	0.7	36,968	1.2	438
35	Electronic and other electrical equipment and components and office equipment	1,031,944	7.4	46,212	0.4	28,362	1.0	838
36	Motorized and other vehicles (including parts)	1,038,341	7.5	130,069	1.2	64,758	2.2	479
37	Transportation equipment, n.e.c.	280,391	2.0	7,514	0.1	4,342	0.1	844
38	Precision instruments and apparatus	351,894	2.5	7,306	0.1	5,324	0.2	954
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	160,790	1.2	27,573	0.2	13,621	0.5	837
40	Miscellaneous manufactured products	517,067	3.7	74,128	0.7	31,204	1.1	1,042
41	Waste and scrap	107,002	0.8	241,232	2.1	66,654	2.2	183
43	Mixed freight	1,377,371	9.9	374,071	3.3	75,269	2.5	413
99	Commodity unknown	360	Z	1,303	Z	162	Z	112

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 5b.

Shipment Characteristics by Two-Digit Commodity for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value			Tons			Ton-miles[1]			Average miles per shipment		
		2012 (million dollars)	2007 (million dollars)	Percent change	2012 (thousands)	2007 (thousands)	Percent change	2012 (millions)	2007 (millions)	Percent change	2012	2007	Percent change
	All commodities[2]	**13,852,143**	**11,684,872**	**18.5**	**11,299,409**	**12,543,425**	**–9.9**	**2,969,506**	**3,344,658**	**–11.2**	**630**	**619**	**1.7**
01	Live animals and live fish	6,390	10,833	–41.0	2,237	6,150	–63.6	1,475	3,973	–62.9	565	739	–23.5
02	Cereal grains (includes seed)	130,140	84,851	53.4	479,064	514,151	–6.8	184,888	203,446	–9.1	202	139	45.1
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	197,793	143,637	37.7	218,995	211,890	3.4	107,383	88,207	21.7	505	354	42.6
04	Animal feed, eggs, honey, and other products of animal origin	118,666	90,472	31.2	238,507	246,436	–3.2	59,660	76,188	–21.7	706	499	41.5
05	Meat, poultry, fish, seafood, and their preparations	302,153	277,251	9.0	90,090	98,413	–8.5	43,798	48,549	–9.8	184	247	–25.5
06	Milled grain products and preparations and bakery products	151,799	143,139	6.1	115,109	120,023	–4.1	53,947	50,732	6.3	169	403	–58.2
07-R[3]	Other prepared foodstuffs and fats and oils	584,496	479,757	X	527,393	468,435	X	201,438	171,452	X	450	268	X
08-R[4]	Alcoholic beverages, and denatured alcohol	178,011	158,322	X	99,255	114,012	X	35,176	36,685	X	81	80	X
09	Tobacco products	67,395	70,551	–4.5	2,919	3,289	–11.2	650	390	66.9	830	407	103.8
10	Monumental or building stone	4,221	5,202	–18.9	11,366	28,738	–60.5	1,605	3,113	–48.4	135	123	9.2
11	Natural sands	7,806	6,665	17.1	438,136	460,085	–4.8	38,847	41,125	–5.5	51	56	–7.7
12	Gravel and crushed stone (excludes dolomite and slate)	17,519	21,167	–17.2	1,538,494	2,039,457	–24.6	82,244	147,770	–44.3	30	37	–20.6
13	Other nonmetallic minerals, n.e.c.	13,646	16,727	–18.4	144,500	272,264	–46.9	35,384	52,096	–32.1	253	223	13.4
14	Metallic ores and concentrates	29,072	32,910	–11.7	94,801	76,672	23.6	48,181	39,319	22.5	397	504	–21.1
15	Coal	41,178	38,228	7.7	1,047,934	1,416,187	–26.0	663,676	835,796	–20.6	87	106	–17.3
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	1,158,935	663,194	X	1,244,059	959,161	X	97,395	68,647	X	46	43	X
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	706,535	373,515	X	843,282	641,894	X	59,341	54,243	X	31	32	X
19	Other coal and petroleum products, n.e.c.	388,085	268,163	44.7	528,059	578,188	–8.7	99,564	127,190	–21.7	98	111	–11.3
20	Basic chemicals	316,754	271,469	16.7	342,969	412,581	–16.9	143,230	171,156	–16.3	662	428	54.5
21	Pharmaceutical products	814,703	771,252	5.6	16,197	19,076	–15.1	7,798	8,134	–4.1	656	635	3.3
22	Fertilizers	84,213	43,613	93.1	193,918	149,600	29.6	61,745	58,970	4.7	142	171	–16.7
23	Chemical products and preparations, n.e.c.	351,146	331,750	5.8	105,660	123,537	–14.5	46,991	58,477	–19.6	667	638	4.6
24	Plastics and rubber	549,130	489,435	12.2	182,918	186,392	–1.9	100,600	104,622	–3.8	696	550	26.4
25	Logs and other wood in the rough	4,527	7,086	–36.1	35,123	107,869	–67.4	3,878	11,164	–65.3	184	110	68.1
26	Wood products	144,134	183,868	–21.6	297,429	323,773	–8.1	82,275	100,787	–18.4	299	328	–8.7
27	Pulp, newsprint, paper, and paperboard	123,892	126,857	–2.3	123,300	145,380	–15.2	69,122	82,098	–15.8	261	297	–11.9
28	Paper or paperboard articles	126,268	118,070	6.9	76,530	82,233	–6.9	26,687	28,977	–7.9	634	512	23.8
29	Printed products	159,583	190,389	–16.2	38,800	51,435	–24.6	14,890	22,363	–33.4	506	579	–12.6
30	Textiles, leather, and articles of textiles or leather	465,777	473,610	–1.7	39,849	46,728	–14.7	25,485	30,643	–16.8	1,064	1,101	–3.4
31	Nonmetallic mineral products	180,504	196,993	–8.4	793,046	1,156,790	–31.4	93,581	115,289	–18.8	414	447	–7.3
32	Base metal in primary or semifinished forms and in finished basic shapes	457,280	488,410	–6.4	304,658	364,940	–16.5	109,923	129,224	–14.9	320	360	–11.3
33	Articles of base metal	352,135	388,292	–9.3	100,754	131,924	–23.6	41,985	52,343	–19.8	530	561	–5.6
34	Machinery	753,095	628,267	19.9	74,650	66,728	11.9	36,968	36,760	0.6	438	498	–12.0
35	Electronic and other electrical equipment and components and office equipment	1,031,944	1,046,495	–1.4	46,212	47,528	–2.8	28,362	31,645	–10.4	838	815	2.8
36	Motorized and other vehicles (including parts)	1,038,341	907,288	14.4	130,069	133,126	–2.3	64,758	64,776	0.0	479	489	–2.0
37	Transportation equipment, n.e.c.	280,391	173,883	61.3	7,514	6,815	10.3	4,342	4,471	–2.9	844	908	–7.1
38	Precision instruments and apparatus	351,894	304,620	15.5	7,306	5,668	28.9	5,324	3,513	51.5	954	1,008	–5.3
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	160,790	152,286	5.6	27,573	26,633	3.5	13,621	15,024	–9.3	837	766	9.3
40	Miscellaneous manufactured products	517,067	490,305	5.5	74,128	91,844	–19.3	31,204	41,995	–25.7	1,042	1,012	2.9
41	Waste and scrap	107,002	82,243	30.1	241,232	305,878	–21.1	66,654	67,023	–0.6	183	152	20.6
43	Mixed freight	1,377,371	932,353	47.7	374,071	300,922	24.3	75,269	56,137	34.1	413	369	11.7
99	Commodity unknown	360	1,453	–75.2	1,303	583	123.6	162	145	11.4	112	485	–76.9

X Not applicable.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 5c.

Shipment Characteristics by Two-Digit Commodity for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]	
		2012	2007	2012	2007	2012	2007
	All commodities[2]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
01	Live animals and live fish	Z	0.1	Z	Z	Z	0.1
02	Cereal grains (includes seed)	0.9	0.7	4.2	4.1	6.2	6.1
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	1.4	1.2	1.9	1.7	3.6	2.6
04	Animal feed, eggs, honey, and other products of animal origin	0.9	0.8	2.1	2.0	2.0	2.3
05	Meat, poultry, fish, seafood, and their preparations	2.2	2.4	0.8	0.8	1.5	1.5
06	Milled grain products and preparations and bakery products	1.1	1.2	1.0	1.0	1.8	1.5
07-R[3]	Other prepared foodstuffs and fats and oils	4.2	4.1	4.7	3.7	6.8	5.1
08-R[4]	Alcoholic beverages, and denatured alcohol	1.3	1.4	0.9	0.9	1.2	1.1
09	Tobacco products	0.5	0.6	Z	Z	Z	Z
10	Monumental or building stone	Z	Z	0.1	0.2	0.1	0.1
11	Natural sands	0.1	0.1	3.9	3.7	1.3	1.2
12	Gravel and crushed stone (excludes dolomite and slate)	0.1	0.2	13.6	16.3	2.8	4.4
13	Other nonmetallic minerals, n.e.c.	0.1	0.1	1.3	2.2	1.2	1.6
14	Metallic ores and concentrates	0.2	0.3	0.8	0.6	1.6	1.2
15	Coal	0.3	0.3	9.3	11.3	22.3	25.0
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	8.4	5.7	11.0	7.6	3.3	2.1
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	5.1	3.2	7.5	5.1	2.0	1.6
19	Other coal and petroleum products, n.e.c.	2.8	2.3	4.7	4.6	3.4	3.8
20	Basic chemicals	2.3	2.3	3.0	3.3	4.8	5.1
21	Pharmaceutical products	5.9	6.6	0.1	0.2	0.3	0.2
22	Fertilizers	0.6	0.4	1.7	1.2	2.1	1.8
23	Chemical products and preparations, n.e.c.	2.5	2.8	0.9	1.0	1.6	1.7
24	Plastics and rubber	4.0	4.2	1.6	1.5	3.4	3.1
25	Logs and other wood in the rough	Z	0.1	0.3	0.9	0.1	0.3
26	Wood products	1.0	1.6	2.6	2.6	2.8	3.0
27	Pulp, newsprint, paper, and paperboard	0.9	1.1	1.1	1.2	2.3	2.5
28	Paper or paperboard articles	0.9	1.0	0.7	0.7	0.9	0.9
29	Printed products	1.2	1.6	0.3	0.4	0.5	0.7
30	Textiles, leather, and articles of textiles or leather	3.4	4.1	0.4	0.4	0.9	0.9
31	Nonmetallic mineral products	1.3	1.7	7.0	9.2	3.2	3.4
32	Base metal in primary or semifinished forms and in finished basic shapes	3.3	4.2	2.7	2.9	3.7	3.9
33	Articles of base metal	2.5	3.3	0.9	1.1	1.4	1.6
34	Machinery	5.4	5.4	0.7	0.5	1.2	1.1
35	Electronic and other electrical equipment and components and office equipment	7.4	9.0	0.4	0.4	1.0	0.9
36	Motorized and other vehicles (including parts)	7.5	7.8	1.2	1.1	2.2	1.9
37	Transportation equipment, n.e.c.	2.0	1.5	0.1	0.1	0.1	0.1
38	Precision instruments and apparatus	2.5	2.6	0.1	Z	0.2	0.1
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1.2	1.3	0.2	0.2	0.5	0.4
40	Miscellaneous manufactured products	3.7	4.2	0.7	0.7	1.1	1.3
41	Waste and scrap	0.8	0.7	2.1	2.4	2.2	2.0
43	Mixed freight	9.9	8.0	3.3	2.4	2.5	1.7
99	Commodity unknown	Z	Z	Z	Z	Z	Z

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 6.
Shipment Characteristics by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[2]	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**	**630**
010	Live animals and live fish	6,390	Z	2,237	Z	1,475	Z	565
021	Wheat	38,977	0.3	141,094	1.2	77,679	2.6	288
022	Corn, except sweet	80,758	0.6	307,422	2.7	95,723	3.2	96
029	Other cereal grains	10,405	0.1	30,548	0.3	11,486	0.4	490
031	Fresh or chilled potatoes, except sweet	4,624	Z	7,410	0.1	5,009	0.2	91
032	Fresh or chilled edible vegetables (except potatoes), and dried vegetables	38,924	0.3	29,127	0.3	11,799	0.4	161
033	Fruit and nuts, edible, fresh, chilled, or dried	43,385	0.3	18,850	0.2	13,268	0.4	581
034	Soy beans	69,083	0.5	137,703	1.2	67,055	2.3	119
035	Oil seeds and nuts, except olives and soy beans	9,160	0.1	9,475	0.1	3,885	0.1	506
036	Bulbs, live plants, and seeds for sowing, n.e.c.	14,201	0.1	4,937	Z	2,638	0.1	1,053
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products	18,417	0.1	11,492	0.1	3,729	0.1	467
041	Eggs, cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, other products of animal origin, n.e.c.	37,004	0.3	112,855	1.0	34,241	1.2	665
042	Animal feed preparations	81,662	0.6	125,652	1.1	25,420	0.9	748
051	Meat and poultry, fresh, chilled, or frozen, meat in brine, dried or smoked	267,246	1.9	83,468	0.7	40,566	1.4	184
052	Fish (except live), seafood, and their preparations	33,835	0.2	6,290	0.1	3,003	0.1	185
053	Preparations, extracts, and juices of meat, fish, or seafood	1,072	Z	331	Z	S	S	216
061	Wheat flour, groats, and meal	14,382	0.1	26,285	0.2	7,654	0.3	185
062	Malt, milled rice and corn (broken, flour, groats, and meal, inulin, wheat gluten, milled cereals and other vegetables and grains	18,281	0.1	33,853	0.3	19,921	0.7	587
063	Bakery products and food preparations of cereals, flour, starch or milk	44,187	0.3	21,855	0.2	12,305	0.4	364
064	Bakery products, including frozen	74,950	0.5	33,116	0.3	14,067	0.5	111
071	Dairy products except beverages and preparations of milk	129,557	0.9	77,654	0.7	23,964	0.8	203
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	101,398	0.7	58,867	0.5	44,171	1.5	219
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	27,884	0.2	5,092	Z	3,379	0.1	409
074-R[3]	Animal or vegetable fats, oils, waxes, and their cleavage products, prepared edible fats, and flours and meals of oil seeds (excludes oils and fats for use as biodiesel)	53,728	0.4	71,676	0.6	31,871	1.1	448
075	Sugars confectionery, solid or syrups not containing added flavoring or coloring	24,741	0.2	50,525	0.4	35,419	1.2	245
076	Confectionery, cocoa, and cocoa preparations	30,591	0.2	6,331	0.1	3,794	0.1	858
077	Edible preparations, n.e.c., and vinegar	76,559	0.6	37,674	0.3	22,176	0.7	1,260
078	Nonalcoholic beverages, n.e.c., and ice	140,037	1.0	219,576	1.9	36,664	1.2	246
081	Malt beer	90,149	0.7	68,358	0.6	12,798	0.4	33
082	Wine and other fermented beverages	39,783	0.3	13,198	0.1	10,223	0.3	206
083-R[4]	Spirituous beverages and undenatured ethyl alcohol	45,273	0.3	13,843	0.1	8,668	0.3	73
084	Denatured ethyl alcohol, not for ingestion or use as biofuel	2,806	Z	3,856	Z	3,487	0.1	210
090	Tobacco products	67,395	0.5	2,919	Z	650	Z	830
100	Monumental or building stone, except dolomite	4,221	Z	11,366	0.1	1,605	0.1	135
110	Natural sands, except metal-bearing	7,806	0.1	438,136	3.9	38,847	1.3	51
120	Gravel and crushed stone, except dolomite and slate	17,519	0.1	1,538,494	13.6	82,244	2.8	30
131	Salt	3,988	Z	26,706	0.2	12,154	0.4	411
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	1,003	Z	15,285	0.1	1,044	Z	324
133	Dolomite, including monumental, building, and crushed	626	Z	59,789	0.5	4,740	0.2	39
139	Other nonmetallic minerals, n.e.c.	8,029	0.1	42,720	0.4	17,446	0.6	288
141	Iron ores and concentrates	6,502	Z	87,376	0.8	43,709	1.5	200
149	Metallic ores and concentrates, except iron	22,570	0.2	7,424	0.1	4,472	0.2	441
151	Nonagglomerated bituminous coal	38,957	0.3	979,148	8.7	662,078	22.3	84
159	Coal, except nonagglomerated bituminous coal	2,221	Z	68,786	0.6	1,599	0.1	138
160	Crude petroleum	0	0.0	0	0.0	0	0.0	0
171-R[5]	Gasoline, and blends of gasoline and 10 percent ethanol	1,013,784	7.3	1,068,000	9.5	55,504	1.9	38
172-R[6]	Aviation turbine fuel (types a and b), and kerosene	97,245	0.7	110,822	1.0	8,213	0.3	37
175	Ethanol, ethanol blends of more than 10 percent ethanol, and other fuel alcohols	21,138	0.2	27,217	0.2	6,913	0.2	139
176	Ethanol, for use as biofuels	26,768	0.2	38,020	0.3	26,764	0.9	289
181	Fuel oils	634,587	4.6	760,593	6.7	54,229	1.8	29
182	Blends of fuel oils and biofuel, biodiesel	71,948	0.5	82,689	0.7	5,112	0.2	46
191	Lubricating oils and greases	208,760	1.5	96,957	0.9	30,683	1.0	154
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	35,811	0.3	42,965	0.4	13,790	0.5	173
193	Gaseous hydrocarbons	64,105	0.5	70,689	0.6	11,699	0.4	36
199	Other products of petroleum refining, and coal products, n.e.c.	79,409	0.6	317,447	2.8	43,392	1.5	83
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	12,927	0.1	30,502	0.3	9,660	0.3	366
202	Inorganic chemicals, n.e.c.	101,794	0.7	195,182	1.7	75,580	2.5	234
203	Cyclic hydrocarbons	33,914	0.2	26,176	0.2	14,957	0.5	368
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, and acyclic alcohols, and organic acids	39,096	0.3	31,249	0.3	15,675	0.5	376
205	Organic chemicals, n.e.c.	129,022	0.9	59,860	0.5	27,358	0.9	1,122
210	Pharmaceutical products	814,703	5.9	16,197	0.1	7,798	0.3	656
220	Fertilizers and fertilizer materials	84,213	0.6	193,918	1.7	61,745	2.1	142
231	Paints and varnishes, enamels, tanning or dyeing extracts, tannins and their derivatives, inks, lakes, toners, and ink	56,886	0.4	14,870	0.1	7,007	0.2	399
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	104,317	0.8	12,378	0.1	7,294	0.2	746
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preps	44,603	0.3	30,435	0.3	12,715	0.4	1,015
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preps for photographic use	16,463	0.1	1,156	Z	658	Z	607
235	Insecticides, rodenticides, fungicides, herbicides, disinfectants, etc.	42,819	0.3	10,369	0.1	3,178	0.1	203
239	Other chemical products and preparations: glues, prepared explosives, activated natural mineral products, anti-knock preparations, etc.	86,058	0.6	36,452	0.3	16,139	0.5	522
241	Plastics and rubber in primary forms or sheets	143,126	1.0	83,613	0.7	53,266	1.8	477
242	Manmade fibers and plastics basic shapes and articles	280,712	2.0	72,259	0.6	34,963	1.2	807
243	Rubber articles	125,292	0.9	27,047	0.2	12,371	0.4	345
250	Logs and other wood in the rough	4,527	Z	35,123	0.3	3,878	0.1	184
261	Wood chips or particles	3,532	Z	75,581	0.7	8,613	0.3	89

See footnotes at end of table.

Table 6.
Shipment Characteristics by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
262	Lumber, wood continuously shaped along any of its edges or faces, shingles and shakes	57,583	0.4	123,636	1.1	45,637	1.5	238
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, and similar laminated wood	30,712	0.2	50,184	0.4	16,947	0.6	291
264	Windows, doors, thresholds, and builders' joinery and carpentry of wood, except shingles and shakes	28,523	0.2	8,749	0.1	2,390	0.1	308
269	Other wood products	23,785	0.2	39,279	0.3	8,687	0.3	440
271	Pulp of fibrous cellulosic materials	10,344	0.1	14,272	0.1	6,944	0.2	488
272	Newsprint in large rolls or sheets	2,640	Z	4,246	Z	1,739	0.1	S
273	Uncoated paper, tissue, and paperboard in large rolls or sheets	62,655	0.5	69,360	0.6	41,638	1.4	214
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	48,253	0.3	35,423	0.3	18,800	0.6	398
280	Paper or paperboard articles	126,268	0.9	76,530	0.7	26,687	0.9	634
291	Printed books, brochures, leaflets, and similar printed products	67,497	0.5	9,011	0.1	5,663	0.2	823
292	Newspapers, journals, and periodicals	28,527	0.2	13,014	0.1	1,417	Z	S
293	Advertising material, commercial or trade catalogues, and similar printed products	16,869	0.1	9,484	0.1	3,951	0.1	790
299	Other printed products	46,691	0.3	7,291	0.1	3,860	0.1	929
301	Textile fibers, yarns, and broad woven or knitted fabrics	56,964	0.4	7,376	0.1	4,010	0.1	1,217
302	Textile clothing and accessories, and headgear, except safety	257,562	1.9	11,096	0.1	7,879	0.3	1,024
303	Textiles and textile articles, n.e.c.	105,290	0.8	18,132	0.2	10,928	0.4	1,044
304	Leather footwear	28,567	0.2	1,428	Z	1,337	Z	1,122
305	Leather and articles of leather or allied materials, and dressed fur skins	17,394	0.1	1,816	Z	1,332	Z	821
311	Hydraulic cements	11,530	0.1	139,594	1.2	18,432	0.6	86
312	Ceramic products	25,717	0.2	16,204	0.1	6,221	0.2	776
313	Glass and glass products	42,112	0.3	32,995	0.3	13,345	0.4	584
319	Other nonmetallic mineral products	101,145	0.7	604,254	5.3	55,583	1.9	107
321	Ferro-alloys, and iron and steel in primary or semi-finished forms, or in powders or granules	40,894	0.3	29,103	0.3	9,432	0.3	271
322	Flat-rolled products of iron or steel	158,399	1.1	162,861	1.4	52,455	1.8	260
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	96,442	0.7	74,506	0.7	27,078	0.9	268
324	Nonferrous metal, except precious, unwrought, or in finished basic shapes, or in powders or granules	161,545	1.2	38,188	0.3	20,957	0.7	412
331	Pipes, tubes, and fittings	115,567	0.8	40,465	0.4	16,721	0.6	281
332	Structures and parts, except prefabricated buildings	66,207	0.5	23,615	0.2	9,230	0.3	353
333	Hand tools, cutlery, except of precious metals, interchangeable tools for hand or machine tools, hardware, and industrial fasteners	74,799	0.5	10,138	0.1	4,627	0.2	622
339	Other articles of metal	95,562	0.7	26,536	0.2	11,407	0.4	655
341	Internal-combustion engines and parts	95,557	0.7	8,688	0.1	5,317	0.2	330
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion	57,286	0.4	1,489	Z	992	Z	964
343	Pumps, compressors, fans, and ventilating or recycling hoods incorporating a fan	81,742	0.6	5,724	0.1	3,618	0.1	470
344	Air-conditioning, refrigerating, or freezing equipment	75,801	0.5	9,961	0.1	4,253	0.1	426
345	Materials-handling, excavating, boring, and related machinery and equipment	124,799	0.9	16,301	0.1	8,686	0.3	422
349	Other mechanical machinery, n.e.c.	317,910	2.3	32,486	0.3	14,102	0.5	438
351	Electric motors, generators, rotary or static converters, and transformers	55,386	0.4	6,130	0.1	4,075	0.1	671
352	Electric cooking appliances, electro-thermic, or electro-mechanical domestic appliances	35,523	0.3	4,382	Z	3,099	0.1	1,008
353	Line telephone or telegraph apparatus	39,486	0.3	904	Z	811	Z	1,013
354	Electronic entertainment products, except parts	65,432	0.5	2,169	Z	2,191	0.1	1,030
355	Computer and electronic office equipment	186,125	1.3	3,033	Z	2,771	0.1	992
356	Prepared unrecorded or prerecorded media	31,553	0.2	923	Z	981	Z	1,011
357	Transmission, and reception apparatus for radio, television, radar, and remote-control	43,773	0.3	844	Z	657	Z	1,296
358	Electronic components and parts	202,566	1.5	1,350	Z	1,054	Z	1,193
359	Other electronic and electrical equipment, n.e.c.	372,098	2.7	26,477	0.2	12,724	0.4	574
361	Motorized vehicles for transport of less than 10 people, except motorcycles, armored, and recreational	263,073	1.9	23,207	0.2	13,634	0.5	1,258
362	Motor vehicles for the transport of goods, and road tractors for semi-trailers	48,848	0.4	7,129	0.1	4,033	0.1	311
363	Other vehicles	127,674	0.9	16,640	0.1	9,407	0.3	834
364	Motor vehicles parts and accessories except motorcycles and armored fighting vehicles	598,745	4.3	83,093	0.7	37,684	1.3	411
371	Railway equipment including locomotives and rolling stock, railway track fixtures and fittings, and parts	23,953	0.2	5,089	Z	3,133	0.1	883
372	Aircraft and spacecraft	225,507	1.6	945	Z	814	Z	865
373	Ships, boats, and floating structures	30,931	0.2	1,481	Z	395	Z	534
381	Optical elements, instruments, and apparatus, except photographic and cinematographic	31,937	0.2	210	Z	266	Z	992
382	Photographic and photocopying machines	28,046	0.2	823	Z	523	Z	654
383	Surveying, hydrographic, oceanographic, hydrological, meteorological, and geophysical instruments and appliances	10,899	0.1	82	Z	50	Z	1,191
384	Instruments, apparatus, and appliances for medical, surgical, dental, veterinary, or similar purposes	196,695	1.4	4,839	Z	3,348	0.1	983
385	Meters and other instruments and apparatus for measuring or process control	84,317	0.6	1,352	Z	1,138	Z	853
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	160,790	1.2	27,573	0.2	13,621	0.5	837
401	Arms and ammunition	28,007	0.2	941	Z	583	Z	935
402	Toys, games, and sporting equipment	81,415	0.6	6,113	0.1	4,563	0.2	1,130
409	Miscellaneous manufactured products	407,645	2.9	67,074	0.6	26,058	0.9	1,007
411	Metallic waste and scrap	96,168	0.7	171,622	1.5	54,207	1.8	161
412	Nonmetallic waste and scrap, except from food processing	10,834	0.1	69,610	0.6	12,447	0.4	246
439	Mixed freight	1,377,371	9.9	374,071	3.3	75,269	2.5	413
999	Commodity unknown	360	Z	1,303	Z	162	Z	112

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] Estimates exclude shipments of crude petroleum (SCTG 16).
[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 074. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 182.
[4] Prior to the 2012 CFS, denatured alcohol of more than 80 percent by volume was included in Commodity Code 083. In the 2012 CFS, denatured alcohol of more than 80 percent by volume moved to Commodity Code 084.
[5] Prior to the 2012 CFS, Commodity Code 171 only included gasoline. In the 2012 CFS, mixtures of 10 percent ethanol and gasoline moved to Commodity Code 171.
[6] Prior to the 2012 CFS, kerosene was included in Commodity Code 192. In the 2012 CFS, kerosene moved to Commodity Code 172.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[2]							
	All modes	**13,852,143**	**100.0**	**11,299,409**	**100.0**	**2,969,506**	**100.0**	**630**
	Single modes	**11,900,364**	**85.9**	**10,905,518**	**96.5**	**2,697,418**	**90.8**	**262**
	Truck[3]	10,132,229	73.1	8,060,166	71.3	1,247,717	42.0	227
	For-hire truck	6,504,636	47.0	4,298,693	38.0	1,050,942	35.4	508
	Private truck	3,627,592	26.2	3,761,472	33.3	196,775	6.6	58
	Rail	473,070	3.4	1,628,537	14.4	1,211,481	40.8	805
	Water	301,554	2.2	575,996	5.1	192,866	6.5	908
	Inland water	218,927	1.6	424,542	3.8	118,742	4.0	275
	Great Lakes	424	Z	31,403	0.3	10,959	0.4	347
	Deep sea	59,878	0.4	72,987	0.6	22,130	0.7	1,157
	Multiple waterways	22,325	0.2	47,064	0.4	41,035	1.4	1,034
	Air (includes truck and air)	450,575	3.3	4,845	Z	5,810	0.2	1,295
	Pipeline[4]	542,936	3.9	635,975	5.6	S	S	S
	Multiple modes	**1,950,753**	**14.1**	**357,047**	**3.2**	**271,832**	**9.2**	**922**
	Parcel, U.S. Postal Service, or courier	1,688,242	12.2	28,490	0.3	22,716	0.8	922
	Truck and rail	224,833	1.6	213,814	1.9	169,524	5.7	988
	Truck and water	29,035	0.2	56,720	0.5	48,568	1.6	1,562
	Rail and water	7,976	0.1	55,570	0.5	29,170	1.0	1,073
	Other multiple modes	668	Z	2,452	Z	1,853	0.1	S
	Other modes	**1,026**	**Z**	**36,844**	**0.3**	**256**	**Z**	**S**
01	**Live animals and live fish**							
	All modes	**6,390**	**100.0**	**2,237**	**100.0**	**1,475**	**100.0**	**565**
	Single modes	**6,296**	**98.5**	**2,229**	**99.7**	**1,470**	**99.6**	**418**
	Truck[3]	6,057	94.8	2,194	98.1	1,408	95.4	160
	For-hire truck	5,116	80.1	1,795	80.2	1,346	91.2	627
	Private truck	941	14.7	399	17.8	62	4.2	89
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,724
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**94**	**1.5**	**8**	**0.3**	**S**	**S**	**741**
	Parcel, U.S. Postal Service, or courier	94	1.5	8	0.3	S	S	741
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
02	**Cereal grains (includes seed)**							
	All modes	**130,140**	**100.0**	**479,064**	**100.0**	**184,888**	**100.0**	**202**
	Single modes	**125,758**	**96.6**	**463,474**	**96.7**	**169,596**	**91.7**	**133**
	Truck[3]	62,606	48.1	224,475	46.9	17,538	9.5	94
	For-hire truck	40,240	30.9	143,483	30.0	14,296	7.7	131
	Private truck	22,367	17.2	80,992	16.9	3,242	1.8	39
	Rail	48,004	36.9	184,749	38.6	132,217	71.5	670
	Water	15,148	11.6	54,250	11.3	19,842	10.7	670
	Inland water	10,889	8.4	39,929	8.3	16,064	8.7	711
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	3,177	2.4	10,406	2.2	48	Z	262
	Multiple waterways	1,081	0.8	3,915	0.8	3,730	2.0	932
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**4,382**	**3.4**	**15,590**	**3.3**	**S**	**S**	**1,077**
	Parcel, U.S. Postal Service, or courier	17	Z	S	S	S	S	1,046
	Truck and rail	S	S	S	S	S	S	1,390
	Truck and water	S	S	S	S	S	S	610
	Rail and water	928	0.7	3,325	0.7	2,336	1.3	739
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**							
	All modes	**197,793**	**100.0**	**218,995**	**100.0**	**107,383**	**100.0**	**505**
	Single modes	**177,464**	**89.7**	**194,379**	**88.8**	**90,511**	**84.3**	**205**
	Truck[3]	145,612	73.6	135,713	62.0	38,555	35.9	182
	For-hire truck	84,302	42.6	74,662	34.1	34,460	32.1	677
	Private truck	61,310	31.0	61,051	27.9	4,095	3.8	47
	Rail	14,154	7.2	26,720	12.2	25,956	24.2	1,189
	Water	16,540	8.4	31,807	14.5	25,913	24.1	1,441
	Inland water	9,706	4.9	19,432	8.9	13,262	12.3	1,000
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	39	Z	1,558
	Multiple waterways	3,859	2.0	7,516	3.4	12,612	11.7	1,264
	Air (includes truck and air)	1,159	0.6	139	0.1	87	0.1	2,135
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**20,329**	**10.3**	**24,616**	**11.2**	**16,872**	**15.7**	**1,160**
	Parcel, U.S. Postal Service, or courier	5,416	2.7	150	0.1	165	0.2	1,162
	Truck and rail	9,931	5.0	15,212	6.9	9,578	8.9	778
	Truck and water	4,781	2.4	8,903	4.1	6,776	6.3	686
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
04	**Animal feed, eggs, honey, and other products of animal origin**							
	All modes	**118,666**	**100.0**	**238,507**	**100.0**	**59,660**	**100.0**	**706**
	Single modes	**112,751**	**95.0**	**231,088**	**96.9**	**52,105**	**87.3**	**305**
	Truck[3]	104,966	88.5	209,784	88.0	33,404	56.0	295
	For-hire truck	60,558	51.0	106,230	44.5	26,597	44.6	532
	Private truck	44,408	37.4	103,554	43.4	6,807	11.4	55
	Rail	6,843	5.8	19,275	8.1	16,780	28.1	863
	Water	S	S	1,618	0.7	1,222	2.0	S
	Inland water	S	S	1,390	0.6	1,136	1.9	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,105
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**5,915**	**5.0**	**7,419**	**3.1**	**7,555**	**12.7**	**1,202**
	Parcel, U.S. Postal Service, or courier	1,401	1.2	169	0.1	S	S	1,202
	Truck and rail	3,837	3.2	6,306	2.6	6,097	10.2	1,097
	Truck and water	677	0.6	943	0.4	1,292	2.2	1,092
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
05	**Meat, poultry, fish, seafood, and their preparations**							
	All modes	**302,153**	**100.0**	**90,090**	**100.0**	**43,798**	**100.0**	**184**
	Single modes	**299,706**	**99.2**	**89,335**	**99.2**	**43,142**	**98.5**	**162**
	Truck[3]	296,913	98.3	88,642	98.4	42,544	97.1	142
	For-hire truck	190,205	63.0	58,401	64.8	39,615	90.4	541
	Private truck	106,707	35.3	30,240	33.6	2,928	6.7	58
	Rail	739	0.2	411	0.5	S	S	1,528
	Water	1,190	0.4	210	0.2	239	0.5	1,426
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	1,182	0.4	206	0.2	238	0.5	1,430
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	864	0.3	72	0.1	122	0.3	2,692
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**2,447**	**0.8**	**755**	**0.8**	**656**	**1.5**	**725**
	Parcel, U.S. Postal Service, or courier	300	0.1	23	Z	14	Z	766
	Truck and rail	1,350	0.4	531	0.6	475	1.1	S
	Truck and water	797	0.3	S	S	167	0.4	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
06	**Milled grain products and preparations and bakery products**							
	All modes	**151,799**	**100.0**	**115,109**	**100.0**	**53,947**	**100.0**	**169**
	Single modes	**148,263**	**97.7**	**111,175**	**96.6**	**49,376**	**91.5**	**104**
	Truck[3]	140,919	92.8	93,115	80.9	34,312	63.6	100
	For-hire truck	91,723	60.4	57,829	50.2	31,162	57.8	274
	Private truck	49,197	32.4	35,286	30.7	3,150	5.8	43
	Rail	6,304	4.2	15,271	13.3	13,082	24.2	974
	Water	995	0.7	2,785	2.4	S	S	952
	Inland water	582	0.4	1,573	1.4	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	50	0.1	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	4	Z	4	Z	1,509
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**3,536**	**2.3**	**3,934**	**3.4**	**4,571**	**8.5**	**1,034**
	Parcel, U.S. Postal Service, or courier	413	0.3	40	Z	39	0.1	1,029
	Truck and rail	3,016	2.0	3,804	3.3	4,300	8.0	1,276
	Truck and water	108	0.1	S	S	S	S	1,132
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
07-R[5]	**Other prepared foodstuffs and fats and oils**							
	All modes	584,496	100.0	527,393	100.0	201,438	100.0	450
	Single modes	562,785	96.3	509,394	96.6	180,426	89.6	129
	Truck[3]	531,469	90.9	455,949	86.5	126,845	63.0	119
	For-hire truck	295,456	50.5	230,480	43.7	111,638	55.4	598
	Private truck	236,013	40.4	225,469	42.8	15,207	7.5	46
	Rail	29,319	5.0	51,375	9.7	52,942	26.3	1,113
	Water	1,377	0.2	2,030	0.4	594	0.3	1,333
	Inland water	784	0.1	1,458	0.3	263	0.1	555
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	300	0.1	281	0.1	201	0.1	1,419
	Multiple waterways	293	0.1	291	0.1	130	0.1	923
	Air (includes truck and air)	620	0.1	40	Z	44	Z	1,848
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**21,711**	**3.7**	**18,000**	**3.4**	**21,012**	**10.4**	**1,265**
	Parcel, U.S. Postal Service, or courier	8,061	1.4	425	0.1	421	0.2	1,264
	Truck and rail	11,406	2.0	14,751	2.8	18,828	9.3	1,483
	Truck and water	2,244	0.4	S	S	1,763	0.9	1,413
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
08-R[6]	**Alcoholic beverages, and denatured alcohol**							
	All modes	**178,011**	**100.0**	**99,255**	**100.0**	**35,176**	**100.0**	**81**
	Single modes	**170,830**	**96.0**	**94,304**	**95.0**	**28,308**	**80.5**	**53**
	Truck[3]	166,019	93.3	88,541	89.2	20,616	58.6	52
	For-hire truck	58,517	32.9	36,333	36.6	19,004	54.0	234
	Private truck	107,502	60.4	52,209	52.6	1,612	4.6	33
	Rail	4,715	2.6	5,735	5.8	7,652	21.8	1,371
	Water	41	Z	20	Z	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	39	Z	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	S	S	3	Z	S
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**7,181**	**4.0**	**4,951**	**5.0**	**6,868**	**19.5**	**1,195**
	Parcel, U.S. Postal Service, or courier	606	0.3	41	Z	S	S	1,188
	Truck and rail	6,239	3.5	4,711	4.7	6,477	18.4	1,614
	Truck and water	325	0.2	197	0.2	336	1.0	S
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
09	**Tobacco products**							
	All modes	**67,395**	**100.0**	**2,919**	**100.0**	**650**	**100.0**	**830**
	Single modes	**65,723**	**97.5**	**2,892**	**99.1**	**619**	**95.2**	**122**
	Truck[3]	65,620	97.4	2,889	99.0	613	94.3	118
	For-hire truck	45,967	68.2	2,155	73.8	543	83.6	555
	Private truck	19,652	29.2	734	25.1	70	10.7	59
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,926
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**1,672**	**2.5**	**28**	**0.9**	**31**	**4.8**	**1,328**
	Parcel, U.S. Postal Service, or courier	1,333	2.0	21	0.7	24	3.7	1,328
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
10	**Monumental or building stone**							
	All modes	**4,221**	**100.0**	**11,366**	**100.0**	**1,605**	**100.0**	**135**
	Single modes	**4,204**	**99.6**	**10,899**	**95.9**	**1,561**	**97.2**	**125**
	Truck[3]	4,186	99.2	10,054	88.5	1,472	91.7	125
	For-hire truck	1,708	40.5	5,513	48.5	1,190	74.1	245
	Private truck	2,478	58.7	4,541	40.0	282	17.6	45
	Rail	18	0.4	845	7.4	89	5.6	S
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**18**	**0.4**	**467**	**4.1**	**44**	**2.8**	**652**
	Parcel, U.S. Postal Service, or courier	4	0.1	Z	Z	Z	Z	783
	Truck and rail	9	0.2	461	4.1	29	1.8	78
	Truck and water	S	S	S	S	S	S	2,603
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
11	**Natural sands**							
	All modes	**7,806**	**100.0**	**438,136**	**100.0**	**38,847**	**100.0**	**51**
	Single modes	**7,499**	**96.1**	**432,039**	**98.6**	**34,786**	**89.5**	**48**
	Truck[3]	6,064	77.7	410,409	93.7	20,272	52.2	41
	For-hire truck	3,543	45.4	200,981	45.9	13,953	35.9	50
	Private truck	2,521	32.3	209,428	47.8	6,319	16.3	29
	Rail	1,404	18.0	19,682	4.5	14,087	36.3	660
	Water	S	S	1,836	0.4	295	0.8	S
	Inland water	S	S	1,715	0.4	216	0.6	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	2	Z	10	Z	1	Z	108
	Multiple waterways	S	S	110	Z	S	S	S
	Air (includes truck and air)	S	S	S	S	S	S	1,669
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**307**	**3.9**	**6,097**	**1.4**	**4,060**	**10.5**	**620**
	Parcel, U.S. Postal Service, or courier	2	Z	1	Z	1	Z	564
	Truck and rail	297	3.8	5,533	1.3	3,922	10.1	666
	Truck and water	S	S	S	S	138	0.4	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
12	**Gravel and crushed stone (excludes dolomite and slate)**							
	All modes	**17,519**	**100.0**	**1,538,494**	**100.0**	**82,244**	**100.0**	**30**
	Single modes	**17,161**	**98.0**	**1,504,478**	**97.8**	**71,247**	**86.6**	**29**
	Truck[3]	15,775	90.0	1,381,189	89.8	39,393	47.9	27
	For-hire truck	7,310	41.7	624,709	40.6	21,037	25.6	34
	Private truck	8,465	48.3	756,480	49.2	18,356	22.3	22
	Rail	999	5.7	71,561	4.7	12,479	15.2	174
	Water	348	2.0	51,309	3.3	19,372	23.6	369
	Inland water	186	1.1	23,560	1.5	7,211	8.8	286
	Great Lakes	130	0.7	23,836	1.5	8,840	10.7	364
	Deep sea	1	Z	3	Z	Z	Z	146
	Multiple waterways	31	0.2	3,910	0.3	3,319	4.0	951
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	40	0.2	419	Z	S	S	S
	Multiple modes	**358**	**2.0**	**34,016**	**2.2**	**10,997**	**13.4**	**437**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	813
	Truck and rail	264	1.5	19,945	1.3	5,805	7.1	400
	Truck and water	78	0.4	12,587	0.8	4,980	6.1	263
	Rail and water	16	0.1	1,485	0.1	212	0.3	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
13	**Other nonmetallic minerals, n.e.c.**							
	All modes	**13,646**	**100.0**	**144,500**	**100.0**	**35,384**	**100.0**	**253**
	Single modes	**12,345**	**90.5**	**139,936**	**96.8**	**31,690**	**89.6**	**152**
	Truck[3]	10,416	76.3	108,461	75.1	15,058	42.6	138
	For-hire truck	6,433	47.1	57,627	39.9	12,705	35.9	272
	Private truck	3,983	29.2	50,834	35.2	2,352	6.6	42
	Rail	1,489	10.9	19,926	13.8	8,996	25.4	917
	Water	168	1.2	9,038	6.3	7,450	21.1	1,088
	Inland water	116	0.9	4,104	2.8	5,395	15.2	1,309
	Great Lakes	27	0.2	4,460	3.1	1,618	4.6	357
	Deep sea	3	Z	3	Z	S	S	1,077
	Multiple waterways	22	0.2	S	S	S	S	626
	Air (includes truck and air)	S	S	1	Z	1	Z	1,228
	Pipeline[4]	179	1.3	2,510	1.7	S	S	S
	Multiple modes	**1,301**	**9.5**	**4,564**	**3.2**	**3,694**	**10.4**	**822**
	Parcel, U.S. Postal Service, or courier	699	5.1	14	Z	S	S	814
	Truck and rail	594	4.4	3,957	2.7	3,350	9.5	980
	Truck and water	8	0.1	S	S	S	S	1,196
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
14	**Metallic ores and concentrates**							
	All modes	**29,072**	**100.0**	**94,801**	**100.0**	**48,181**	**100.0**	**397**
	Single modes	**27,083**	**93.2**	**76,449**	**80.6**	**31,992**	**66.4**	**289**
	Truck[3]	15,276	52.5	10,437	11.0	3,814	7.9	268
	For-hire truck	13,423	46.2	5,597	5.9	2,050	4.3	396
	Private truck	1,852	6.4	S	S	S	S	46
	Rail	8,870	30.5	57,564	60.7	22,900	47.5	743
	Water	773	2.7	8,447	8.9	5,277	11.0	692
	Inland water	S	S	S	S	S	S	S
	Great Lakes	153	0.5	2,023	2.1	148	0.3	73
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	419	1.4	5,734	6.0	4,571	9.5	704
	Air (includes truck and air)	2,164	7.4	S	S	S	S	881
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**1,990**	**6.8**	**S**	**S**	**S**	**S**	**961**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	956
	Truck and rail	S	S	S	S	S	S	1,659
	Truck and water	681	2.3	S	S	S	S	968
	Rail and water	S	S	S	S	6,797	14.1	911
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
15	**Coal**							
	All modes	**41,178**	**100.0**	**1,047,934**	**100.0**	**663,676**	**100.0**	**87**
	Single modes	**37,131**	**90.2**	**962,542**	**91.9**	**643,354**	**96.9**	**73**
	Truck[3]	10,150	24.6	192,030	18.3	9,848	1.5	58
	For-hire truck	5,546	13.5	105,935	10.1	7,573	1.1	62
	Private truck	4,604	11.2	86,094	8.2	2,275	0.3	45
	Rail	23,636	57.4	709,486	67.7	609,335	91.8	576
	Water	S	S	S	S	S	S	604
	Inland water	S	S	S	S	S	S	602
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	243	0.6	1,257	0.1	1,075	0.2	986
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**3,021**	**7.3**	**48,548**	**4.6**	**20,066**	**3.0**	**351**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	1,208
	Truck and rail	149	0.4	3,133	0.3	558	0.1	S
	Truck and water	301	0.7	6,832	0.7	S	S	S
	Rail and water	2,243	5.4	36,169	3.5	17,013	2.6	450
	Other multiple modes	328	0.8	2,414	0.2	1,666	0.3	690
	Other modes	**1,026**	**2.5**	**36,844**	**3.5**	**256**	**Z**	**S**
17-R[7]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**							
	All modes	**1,158,935**	**100.0**	**1,244,059**	**100.0**	**97,395**	**100.0**	**46**
	Single modes	**1,151,937**	**99.4**	**1,234,518**	**99.2**	**87,564**	**89.9**	**43**
	Truck[3]	757,714	65.4	801,494	64.4	28,183	28.9	39
	For-hire truck	523,883	45.2	557,045	44.8	17,917	18.4	36
	Private truck	233,831	20.2	244,449	19.6	10,266	10.5	42
	Rail	15,401	1.3	21,652	1.7	19,682	20.2	1,078
	Water	64,601	5.6	68,508	5.5	19,779	20.3	935
	Inland water	46,413	4.0	49,342	4.0	S	S	153
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	9,482	0.8	10,021	0.8	5,276	5.4	1,107
	Multiple waterways	8,706	0.8	9,145	0.7	8,072	8.3	930
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	314,176	27.1	342,839	27.6	S	S	S
	Multiple modes	**6,999**	**0.6**	**9,541**	**0.8**	**9,831**	**10.1**	**802**
	Parcel, U.S. Postal Service, or courier	Z	Z	Z	Z	Z	Z	525
	Truck and rail	6,505	0.6	9,023	0.7	9,161	9.4	1,003
	Truck and water	175	Z	210	Z	S	S	S
	Rail and water	319	Z	308	Z	S	S	1,331
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
18-R[8]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**							
	All modes	**706,535**	**100.0**	**843,282**	**100.0**	**59,341**	**100.0**	**31**
	Single modes	**701,887**	**99.3**	**836,317**	**99.2**	**45,156**	**76.1**	**31**
	Truck[3]	410,833	58.1	451,755	53.6	20,530	34.6	30
	For-hire truck	182,168	25.8	203,105	24.1	9,194	15.5	40
	Private truck	228,665	32.4	248,650	29.5	11,336	19.1	28
	Rail	7,387	1.0	9,305	1.1	3,187	5.4	770
	Water	S	S	S	S	8,888	15.0	S
	Inland water	S	S	S	S	4,948	8.3	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	246	0.4	S
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	183,463	26.0	233,424	27.7	S	S	S
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**688**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	1,483
	Truck and rail	S	S	S	S	S	S	475
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
19	**Other coal and petroleum products, n.e.c.**							
	All modes	**388,085**	**100.0**	**528,059**	**100.0**	**99,564**	**100.0**	**98**
	Single modes	**383,382**	**98.8**	**522,658**	**99.0**	**97,074**	**97.5**	**79**
	Truck[3]	294,173	75.8	360,616	68.3	47,539	47.7	76
	For-hire truck	134,695	34.7	206,972	39.2	37,382	37.5	227
	Private truck	159,478	41.1	153,644	29.1	10,157	10.2	52
	Rail	28,346	7.3	68,929	13.1	29,582	29.7	887
	Water	36,088	9.3	63,158	12.0	16,884	17.0	318
	Inland water	28,650	7.4	45,560	8.6	9,147	9.2	240
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	599
	Multiple waterways	2,131	0.5	1,973	0.4	486	0.5	708
	Air (includes truck and air)	S	S	S	S	S	S	1,678
	Pipeline[4]	24,586	6.3	29,950	5.7	S	S	S
	Multiple modes	4,703	1.2	5,401	1.0	2,489	2.5	719
	Parcel, U.S. Postal Service, or courier	1,023	0.3	78	Z	62	0.1	713
	Truck and rail	527	0.1	356	0.1	378	0.4	1,301
	Truck and water	516	0.1	S	S	S	S	2,190
	Rail and water	2,635	0.7	4,742	0.9	1,481	1.5	681
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
20	**Basic chemicals**							
	All modes	**316,754**	**100.0**	**342,969**	**100.0**	**143,230**	**100.0**	**662**
	Single modes	**298,735**	**94.3**	**340,263**	**99.2**	**141,351**	**98.7**	**195**
	Truck[3]	186,106	58.8	182,168	53.1	45,771	32.0	135
	For-hire truck	123,720	39.1	84,840	24.7	37,520	26.2	421
	Private truck	62,386	19.7	97,328	28.4	8,251	5.8	38
	Rail	57,198	18.1	87,867	25.6	72,691	50.8	828
	Water	32,882	10.4	45,384	13.2	19,789	13.8	620
	Inland water	30,204	9.5	40,309	11.8	15,923	11.1	419
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	1,667	0.5	3,240	0.9	2,473	1.7	1,859
	Multiple waterways	1,010	0.3	1,835	0.5	1,394	1.0	819
	Air (includes truck and air)	3,175	1.0	189	0.1	246	0.2	1,141
	Pipeline[4]	19,374	6.1	24,655	7.2	S	S	S
	Multiple modes	**18,019**	**5.7**	**2,706**	**0.8**	**1,879**	**1.3**	**1,111**
	Parcel, U.S. Postal Service, or courier	14,329	4.5	412	0.1	326	0.2	1,111
	Truck and rail	2,956	0.9	1,511	0.4	1,172	0.8	619
	Truck and water	130	Z	74	Z	227	0.2	2,597
	Rail and water	604	0.2	709	0.2	S	S	1,483
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
21	**Pharmaceutical products**							
	All modes	**814,703**	**100.0**	**16,197**	**100.0**	**7,798**	**100.0**	**656**
	Single modes	**484,359**	**59.5**	**14,416**	**89.0**	**6,914**	**88.7**	**197**
	Truck[3]	442,684	54.3	14,223	87.8	6,626	85.0	154
	For-hire truck	352,452	43.3	8,533	52.7	6,201	79.5	318
	Private truck	90,232	11.1	5,690	35.1	425	5.4	57
	Rail	351	Z	62	0.4	144	1.9	2,530
	Water	S	S	S	S	S	S	316
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	316
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	41,154	5.1	119	0.7	142	1.8	1,171
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**330,344**	**40.5**	**1,781**	**11.0**	**884**	**11.3**	**828**
	Parcel, U.S. Postal Service, or courier	328,862	40.4	1,719	10.6	799	10.3	828
	Truck and rail	S	S	47	0.3	S	S	385
	Truck and water	111	Z	15	0.1	S	S	962
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
22	**Fertilizers**							
	All modes	**84,213**	**100.0**	**193,918**	**100.0**	**61,745**	**100.0**	**142**
	Single modes	**78,466**	**93.2**	**178,656**	**92.1**	**57,129**	**92.5**	**111**
	Truck[3]	57,717	68.5	114,729	59.2	17,872	28.9	93
	For-hire truck	21,768	25.8	44,169	22.8	13,447	21.8	218
	Private truck	35,949	42.7	70,560	36.4	4,426	7.2	38
	Rail	16,516	19.6	53,094	27.4	29,732	48.2	645
	Water	3,180	3.8	8,834	4.6	S	S	862
	Inland water	3,026	3.6	8,550	4.4	S	S	961
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	154	0.2	284	0.1	407	0.7	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	3,575
	Pipeline[4]	1,050	1.2	1,995	1.0	S	S	S
	Multiple modes	**5,746**	**6.8**	**S**	**S**	**4,616**	**7.5**	**618**
	Parcel, U.S. Postal Service, or courier	78	0.1	10	Z	9	Z	874
	Truck and rail	5,646	6.7	S	S	4,497	7.3	S
	Truck and water	18	Z	S	S	S	S	1,848
	Rail and water	3	Z	10	Z	29	Z	2,909
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
23	**Chemical products and preparations, n.e.c.**							
	All modes	**351,146**	**100.0**	**105,660**	**100.0**	**46,991**	**100.0**	**667**
	Single modes	**312,887**	**89.1**	**101,752**	**96.3**	**43,104**	**91.7**	**300**
	Truck[3]	297,815	84.8	94,925	89.8	36,332	77.3	273
	For-hire truck	213,190	60.7	62,957	59.6	33,063	70.4	591
	Private truck	84,625	24.1	31,968	30.3	3,268	7.0	53
	Rail	10,593	3.0	6,460	6.1	6,528	13.9	1,085
	Water	S	S	S	S	S	S	S
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	3	Z	S	S	S
	Multiple waterways	74	Z	S	S	S	S	S
	Air (includes truck and air)	4,220	1.2	139	0.1	186	0.4	1,296
	Pipeline[4]	S	S	185	0.2	S	S	S
	Multiple modes	**38,259**	**10.9**	**3,908**	**3.7**	**3,887**	**8.3**	**858**
	Parcel, U.S. Postal Service, or courier	33,077	9.4	1,038	1.0	704	1.5	858
	Truck and rail	4,726	1.3	2,721	2.6	2,822	6.0	489
	Truck and water	410	0.1	113	0.1	205	0.4	2,119
	Rail and water	46	Z	36	Z	156	0.3	4,390
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
24	**Plastics and rubber**							
	All modes	**549,130**	**100.0**	**182,918**	**100.0**	**100,600**	**100.0**	**696**
	Single modes	**493,180**	**89.8**	**171,062**	**93.5**	**90,106**	**89.6**	**247**
	Truck[3]	426,582	77.7	124,202	67.9	54,373	54.0	228
	For-hire truck	317,413	57.8	92,366	50.5	51,390	51.1	488
	Private truck	109,169	19.9	31,836	17.4	2,983	3.0	50
	Rail	59,702	10.9	46,034	25.2	35,370	35.2	837
	Water	S	S	S	S	114	0.1	1,715
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	139	Z	36	Z	S	S	1,970
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	5,923	1.1	249	0.1	249	0.2	1,207
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**55,950**	**10.2**	**11,856**	**6.5**	**10,494**	**10.4**	**971**
	Parcel, U.S. Postal Service, or courier	38,626	7.0	1,631	0.9	1,201	1.2	971
	Truck and rail	16,882	3.1	10,090	5.5	9,068	9.0	969
	Truck and water	438	0.1	134	0.1	225	0.2	2,153
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.

Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
25	**Logs and other wood in the rough**							
	All modes	**4,527**	**100.0**	**35,123**	**100.0**	**3,878**	**100.0**	**184**
	Single modes	**4,473**	**98.8**	**35,017**	**99.7**	**3,779**	**97.4**	**103**
	Truck[3]	4,206	92.9	34,426	98.0	3,280	84.6	99
	For-hire truck	1,977	43.7	17,962	51.1	1,872	48.3	138
	Private truck	2,229	49.2	16,463	46.9	1,408	36.3	71
	Rail	251	5.5	573	1.6	459	11.8	980
	Water	S	S	S	S	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**54**	**1.2**	**S**	**S**	**S**	**S**	**1,435**
	Parcel, U.S. Postal Service, or courier	10	0.2	1	Z	1	Z	1,445
	Truck and rail	38	0.8	S	S	S	S	938
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
26	**Wood products**							
	All modes	**144,134**	**100.0**	**297,429**	**100.0**	**82,275**	**100.0**	**299**
	Single modes	**138,791**	**96.3**	**286,044**	**96.2**	**69,098**	**84.0**	**191**
	Truck[3]	133,282	92.5	270,184	90.8	52,555	63.9	186
	For-hire truck	68,517	47.5	162,116	54.5	43,965	53.4	442
	Private truck	64,765	44.9	108,067	36.3	8,590	10.4	73
	Rail	5,403	3.7	15,828	5.3	16,484	20.0	1,040
	Water	30	Z	22	Z	S	S	1,347
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	30	Z	22	Z	S	S	1,347
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	76	0.1	11	Z	S	S	1,443
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**5,343**	**3.7**	**11,384**	**3.8**	**13,177**	**16.0**	**934**
	Parcel, U.S. Postal Service, or courier	1,840	1.3	111	Z	103	0.1	928
	Truck and rail	3,398	2.4	11,101	3.7	12,825	15.6	1,255
	Truck and water	105	0.1	S	S	S	S	1,561
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
27	**Pulp, newsprint, paper, and paperboard**							
	All modes	**123,892**	**100.0**	**123,300**	**100.0**	**69,122**	**100.0**	**261**
	Single modes	**117,390**	**94.8**	**116,101**	**94.2**	**60,428**	**87.4**	**174**
	Truck[3]	101,448	81.9	92,978	75.4	40,003	57.9	163
	For-hire truck	74,772	60.4	72,763	59.0	38,379	55.5	421
	Private truck	26,676	21.5	20,215	16.4	1,624	2.3	42
	Rail	15,555	12.6	23,011	18.7	20,374	29.5	939
	Water	S	S	S	S	29	Z	1,631
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	29	Z	1,631
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	313	0.3	18	Z	21	Z	1,219
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**6,502**	**5.2**	**7,199**	**5.8**	**8,694**	**12.6**	**500**
	Parcel, U.S. Postal Service, or courier	1,510	1.2	117	0.1	70	0.1	487
	Truck and rail	4,926	4.0	6,997	5.7	8,408	12.2	1,376
	Truck and water	67	0.1	85	0.1	216	0.3	2,188
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.

Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
28	**Paper or paperboard articles**							
	All modes	**126,268**	**100.0**	**76,530**	**100.0**	**26,687**	**100.0**	**634**
	Single modes	**118,281**	**93.7**	**75,116**	**98.2**	**24,764**	**92.8**	**185**
	Truck[3]	116,070	91.9	71,853	93.9	21,125	79.2	176
	For-hire truck	80,835	64.0	52,148	68.1	19,679	73.7	465
	Private truck	35,235	27.9	19,705	25.7	1,445	5.4	47
	Rail	2,061	1.6	3,230	4.2	3,579	13.4	1,520
	Water	56	Z	23	Z	49	0.2	1,501
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	56	Z	23	Z	49	0.2	1,501
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	94	0.1	10	Z	11	Z	1,922
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**7,987**	**6.3**	**1,414**	**1.8**	**1,924**	**7.2**	**1,061**
	Parcel, U.S. Postal Service, or courier	6,191	4.9	328	0.4	233	0.9	1,060
	Truck and rail	1,643	1.3	1,021	1.3	1,578	5.9	1,628
	Truck and water	150	0.1	63	0.1	104	0.4	1,163
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
29	**Printed products**							
	All modes	**159,583**	**100.0**	**38,800**	**100.0**	**14,890**	**100.0**	**506**
	Single modes	**111,347**	**69.8**	**36,514**	**94.1**	**12,896**	**86.6**	**185**
	Truck[3]	109,334	68.5	36,295	93.5	12,657	85.0	163
	For-hire truck	75,724	47.5	24,941	64.3	12,173	81.8	324
	Private truck	33,611	21.1	11,354	29.3	483	3.2	18
	Rail	201	0.1	123	0.3	130	0.9	1,270
	Water	4	Z	Z	Z	Z	Z	946
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	4	Z	Z	Z	Z	Z	946
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	1,808	1.1	95	0.2	110	0.7	1,226
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**48,236**	**30.2**	**2,287**	**5.9**	**1,994**	**13.4**	**717**
	Parcel, U.S. Postal Service, or courier	47,735	29.9	2,107	5.4	1,783	12.0	717
	Truck and rail	352	0.2	120	0.3	127	0.9	1,106
	Truck and water	149	0.1	60	0.2	84	0.6	3,042
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
30	**Textiles, leather, and articles of textiles or leather**							
	All modes	**465,777**	**100.0**	**39,849**	**100.0**	**25,485**	**100.0**	**1,064**
	Single modes	**346,888**	**74.5**	**36,369**	**91.3**	**22,002**	**86.3**	**829**
	Truck[3]	338,406	72.7	35,821	89.9	21,290	83.5	764
	For-hire truck	258,766	55.6	25,250	63.4	20,301	79.7	988
	Private truck	79,641	17.1	10,571	26.5	989	3.9	63
	Rail	S	S	336	0.8	S	S	1,558
	Water	160	Z	S	S	S	S	S
	Inland water	S	S	S	S	Z	Z	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	119	Z	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	6,909	1.5	153	0.4	204	0.8	1,162
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**118,890**	**25.5**	**3,480**	**8.7**	**3,484**	**13.7**	**1,094**
	Parcel, U.S. Postal Service, or courier	115,051	24.7	2,540	6.4	2,535	9.9	1,094
	Truck and rail	3,612	0.8	911	2.3	895	3.5	1,271
	Truck and water	227	Z	29	0.1	53	0.2	1,773
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.

Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
31	**Nonmetallic mineral products**							
	All modes	**180,504**	**100.0**	**793,046**	**100.0**	**93,581**	**100.0**	**414**
	Single modes	**168,240**	**93.2**	**775,935**	**97.8**	**83,633**	**89.4**	**140**
	Truck[3]	162,662	90.1	736,943	92.9	67,810	72.5	133
	For-hire truck	92,050	51.0	253,749	32.0	52,662	56.3	356
	Private truck	70,613	39.1	483,194	60.9	15,148	16.2	41
	Rail	3,196	1.8	31,647	4.0	12,474	13.3	448
	Water	709	0.4	7,307	0.9	3,309	3.5	1,529
	Inland water	285	0.2	3,782	0.5	1,431	1.5	368
	Great Lakes	115	0.1	1,083	0.1	353	0.4	321
	Deep sea	121	0.1	270	Z	494	0.5	1,698
	Multiple waterways	187	0.1	2,172	0.3	1,031	1.1	1,791
	Air (includes truck and air)	1,673	0.9	38	Z	41	Z	1,351
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**12,264**	**6.8**	**17,111**	**2.2**	**9,947**	**10.6**	**1,007**
	Parcel, U.S. Postal Service, or courier	9,662	5.4	397	0.1	415	0.4	1,008
	Truck and rail	2,104	1.2	15,062	1.9	7,604	8.1	596
	Truck and water	499	0.3	1,652	0.2	1,928	2.1	1,897
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
32	**Base metal in primary or semifinished forms and in finished basic shapes**							
	All modes	**457,280**	**100.0**	**304,658**	**100.0**	**109,923**	**100.0**	**320**
	Single modes	**433,750**	**94.9**	**289,290**	**95.0**	**96,930**	**88.2**	**207**
	Truck[3]	397,468	86.9	249,103	81.8	72,128	65.6	197
	For-hire truck	293,653	64.2	181,287	59.5	65,355	59.5	373
	Private truck	103,814	22.7	67,816	22.3	6,774	6.2	56
	Rail	31,707	6.9	36,549	12.0	20,519	18.7	591
	Water	1,782	0.4	3,517	1.2	4,175	3.8	1,287
	Inland water	1,473	0.3	2,901	1.0	3,123	2.8	765
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	1,581
	Multiple waterways	184	Z	465	0.2	649	0.6	1,400
	Air (includes truck and air)	2,794	0.6	121	Z	108	0.1	1,111
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**23,529**	**5.1**	**15,368**	**5.0**	**12,992**	**11.8**	**742**
	Parcel, U.S. Postal Service, or courier	9,544	2.1	305	0.1	192	0.2	737
	Truck and rail	12,434	2.7	13,643	4.5	12,179	11.1	1,053
	Truck and water	1,457	0.3	1,194	0.4	599	0.5	1,532
	Rail and water	S	S	S	S	2	Z	S
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
33	**Articles of base metal**							
	All modes	**352,135**	**100.0**	**100,754**	**100.0**	**41,985**	**100.0**	**530**
	Single modes	**301,644**	**85.7**	**96,378**	**95.7**	**37,444**	**89.2**	**257**
	Truck[3]	292,179	83.0	91,618	90.9	33,746	80.4	245
	For-hire truck	198,900	56.5	62,838	62.4	31,158	74.2	498
	Private truck	93,279	26.5	28,779	28.6	2,588	6.2	43
	Rail	5,407	1.5	4,613	4.6	3,443	8.2	737
	Water	S	S	S	S	S	S	782
	Inland water	S	S	S	S	S	S	1,250
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	76	Z	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	3,712	1.1	97	0.1	126	0.3	1,164
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**50,492**	**14.3**	**4,376**	**4.3**	**4,541**	**10.8**	**792**
	Parcel, U.S. Postal Service, or courier	45,653	13.0	1,145	1.1	918	2.2	792
	Truck and rail	4,275	1.2	3,114	3.1	3,370	8.0	1,217
	Truck and water	554	0.2	113	0.1	238	0.6	2,689
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
34	**Machinery**							
	All modes	**753,095**	**100.0**	**74,650**	**100.0**	**36,968**	**100.0**	**438**
	Single modes	**628,283**	**83.4**	**71,478**	**95.8**	**33,798**	**91.4**	**210**
	Truck[3]	589,218	78.2	70,368	94.3	32,616	88.2	191
	For-hire truck	447,781	59.5	51,532	69.0	31,174	84.3	404
	Private truck	141,437	18.8	18,836	25.2	1,441	3.9	37
	Rail	4,956	0.7	680	0.9	753	2.0	1,432
	Water	S	S	S	S	S	S	740
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	740
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	34,025	4.5	421	0.6	422	1.1	1,028
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**124,813**	**16.6**	**3,172**	**4.2**	**3,170**	**8.6**	**629**
	Parcel, U.S. Postal Service, or courier	111,225	14.8	1,866	2.5	1,249	3.4	628
	Truck and rail	10,420	1.4	1,110	1.5	1,579	4.3	1,297
	Truck and water	3,167	0.4	197	0.3	342	0.9	2,458
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
35	**Electronic and other electrical equipment and components and office equipment**							
	All modes	**1,031,944**	**100.0**	**46,212**	**100.0**	**28,362**	**100.0**	**838**
	Single modes	**683,472**	**66.2**	**42,511**	**92.0**	**24,566**	**86.6**	**438**
	Truck[3]	554,605	53.7	41,776	90.4	23,691	83.5	344
	For-hire truck	440,197	42.7	29,825	64.5	22,790	80.4	556
	Private truck	114,408	11.1	11,951	25.9	902	3.2	41
	Rail	902	0.1	132	0.3	172	0.6	2,044
	Water	S	S	3	Z	6	Z	673
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	3	Z	5	Z	664
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	127,873	12.4	599	1.3	697	2.5	1,640
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**348,472**	**33.8**	**3,701**	**8.0**	**3,796**	**13.4**	**1,045**
	Parcel, U.S. Postal Service, or courier	343,650	33.3	3,305	7.2	3,142	11.1	1,045
	Truck and rail	4,218	0.4	340	0.7	520	1.8	941
	Truck and water	604	0.1	56	0.1	134	0.5	2,482
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
36	**Motorized and other vehicles (including parts)**							
	All modes	**1,038,341**	**100.0**	**130,069**	**100.0**	**64,758**	**100.0**	**479**
	Single modes	**874,804**	**84.3**	**119,517**	**91.9**	**53,798**	**83.1**	**294**
	Truck[3]	820,422	79.0	115,292	88.6	49,484	76.4	249
	For-hire truck	612,650	59.0	87,115	67.0	46,556	71.9	506
	Private truck	207,772	20.0	28,177	21.7	2,928	4.5	121
	Rail	41,941	4.0	3,868	3.0	3,957	6.1	1,243
	Water	S	S	S	S	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	12,393	1.2	350	0.3	344	0.5	1,080
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**163,536**	**15.7**	**10,553**	**8.1**	**10,960**	**16.9**	**776**
	Parcel, U.S. Postal Service, or courier	85,128	8.2	2,563	2.0	1,724	2.7	774
	Truck and rail	76,459	7.4	7,256	5.6	8,521	13.2	1,370
	Truck and water	1,423	0.1	S	S	474	0.7	1,400
	Rail and water	210	Z	20	Z	100	0.2	5,342
	Other multiple modes	317	Z	28	Z	141	0.2	4,982
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
37	**Transportation equipment, n.e.c.**							
	All modes	**280,391**	**100.0**	**7,514**	**100.0**	**4,342**	**100.0**	**844**
	Single modes	**224,745**	**80.2**	**7,059**	**93.9**	**3,821**	**88.0**	**684**
	Truck[3]	89,254	31.8	3,839	51.1	2,162	49.8	442
	For-hire truck	64,532	23.0	3,435	45.7	2,086	48.0	856
	Private truck	24,721	8.8	404	5.4	76	1.8	40
	Rail	4,027	1.4	1,926	25.6	1,324	30.5	842
	Water	12,778	4.6	1,135	15.1	S	S	674
	Inland water	1,374	0.5	588	7.8	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	640	0.2	190	2.5	S	S	773
	Air (includes truck and air)	118,686	42.3	159	2.1	181	4.2	1,199
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**55,646**	**19.8**	**455**	**6.1**	**521**	**12.0**	**964**
	Parcel, U.S. Postal Service, or courier	51,913	18.5	93	1.2	104	2.4	963
	Truck and rail	S	S	358	4.8	407	9.4	1,575
	Truck and water	113	Z	S	S	S	S	2,156
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
38	**Precision instruments and apparatus**							
	All modes	**351,894**	**100.0**	**7,306**	**100.0**	**5,324**	**100.0**	**954**
	Single modes	**190,698**	**54.2**	**5,044**	**69.0**	**4,105**	**77.1**	**802**
	Truck[3]	137,583	39.1	4,654	63.7	3,703	69.5	637
	For-hire truck	117,061	33.3	3,824	52.3	3,647	68.5	957
	Private truck	20,522	5.8	829	11.4	56	1.1	62
	Rail	S	S	S	S	S	S	990
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	53,085	15.1	389	5.3	401	7.5	1,400
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**161,196**	**45.8**	**S**	**S**	**1,219**	**22.9**	**991**
	Parcel, U.S. Postal Service, or courier	159,674	45.4	907	12.4	864	16.2	991
	Truck and rail	889	0.3	S	S	S	S	880
	Truck and water	S	S	S	S	S	S	1,738
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**							
	All modes	**160,790**	**100.0**	**27,573**	**100.0**	**13,621**	**100.0**	**837**
	Single modes	**149,832**	**93.2**	**26,824**	**97.3**	**12,767**	**93.7**	**609**
	Truck[3]	148,850	92.6	26,719	96.9	12,543	92.1	604
	For-hire truck	95,521	59.4	17,711	64.2	11,432	83.9	864
	Private truck	53,330	33.2	9,008	32.7	1,111	8.2	75
	Rail	230	0.1	78	0.3	169	1.2	2,188
	Water	S	S	S	S	S	S	2,552
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	2,552
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	748	0.5	26	0.1	53	0.4	1,660
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**10,958**	**6.8**	**750**	**2.7**	**854**	**6.3**	**1,124**
	Parcel, U.S. Postal Service, or courier	10,348	6.4	637	2.3	639	4.7	1,124
	Truck and rail	487	0.3	97	0.4	173	1.3	1,474
	Truck and water	123	0.1	15	0.1	43	0.3	2,441
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.
Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
40	**Miscellaneous manufactured products**							
	All modes	**517,067**	**100.0**	**74,128**	**100.0**	**31,204**	**100.0**	**1,042**
	Single modes	**330,990**	**64.0**	**69,949**	**94.4**	**26,764**	**85.8**	**863**
	Truck[3]	307,336	59.4	68,842	92.9	25,623	82.1	835
	For-hire truck	232,539	45.0	37,362	50.4	23,924	76.7	1,076
	Private truck	74,797	14.5	31,480	42.5	1,700	5.4	53
	Rail	1,146	0.2	749	1.0	775	2.5	1,456
	Water	S	S	S	S	S	S	1,402
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	1,470
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	21,698	4.2	266	0.4	263	0.8	1,320
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**186,077**	**36.0**	**4,179**	**5.6**	**4,441**	**14.2**	**1,078**
	Parcel, U.S. Postal Service, or courier	181,715	35.1	3,121	4.2	3,005	9.6	1,078
	Truck and rail	3,256	0.6	945	1.3	1,126	3.6	1,170
	Truck and water	S	S	S	S	S	S	2,410
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
41	**Waste and scrap**							
	All modes	**107,002**	**100.0**	**241,232**	**100.0**	**66,654**	**100.0**	**183**
	Single modes	**100,335**	**93.8**	**222,392**	**92.2**	**58,606**	**87.9**	**159**
	Truck[3]	85,462	79.9	184,479	76.5	43,489	65.2	150
	For-hire truck	55,336	51.7	116,015	48.1	38,116	57.2	223
	Private truck	30,126	28.2	68,464	28.4	5,373	8.1	67
	Rail	10,429	9.7	27,308	11.3	11,299	17.0	314
	Water	4,168	3.9	10,605	4.4	3,818	5.7	S
	Inland water	1,747	1.6	4,212	1.7	S	S	511
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	412	0.6	S
	Multiple waterways	S	S	S	S	S	S	950
	Air (includes truck and air)	276	0.3	S	S	S	S	1,107
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**6,666**	**6.2**	**18,841**	**7.8**	**8,047**	**12.1**	**619**
	Parcel, U.S. Postal Service, or courier	8	Z	Z	Z	Z	Z	688
	Truck and rail	5,877	5.5	17,492	7.3	7,423	11.1	600
	Truck and water	611	0.6	889	0.4	580	0.9	S
	Rail and water	S	S	S	S	44	0.1	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
43	**Mixed freight**							
	All modes	**1,377,371**	**100.0**	**374,071**	**100.0**	**75,269**	**100.0**	**413**
	Single modes	**1,296,210**	**94.1**	**368,425**	**98.5**	**69,478**	**92.3**	**153**
	Truck[3]	1,288,629	93.6	366,538	98.0	66,854	88.8	144
	For-hire truck	514,468	37.4	127,019	34.0	42,379	56.3	386
	Private truck	774,161	56.2	239,519	64.0	24,475	32.5	65
	Rail	2,015	0.1	1,025	0.3	1,276	1.7	1,645
	Water	1,600	0.1	364	0.1	572	0.8	1,029
	Inland water	S	S	18	Z	S	S	18
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	1,554	0.1	341	0.1	556	0.7	1,055
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	3,967	0.3	498	0.1	S	S	1,439
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**81,160**	**5.9**	**5,646**	**1.5**	**5,791**	**7.7**	**675**
	Parcel, U.S. Postal Service, or courier	72,720	5.3	3,160	0.8	1,737	2.3	674
	Truck and rail	5,537	0.4	1,747	0.5	2,639	3.5	1,350
	Truck and water	2,904	0.2	739	0.2	1,415	1.9	1,404
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 7.

Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
99	**Commodity unknown**							
	All modes	**360**	**100.0**	**1,303**	**100.0**	**162**	**100.0**	**112**
	Single modes	**360**	**100.0**	**1,303**	**100.0**	**162**	**100.0**	**112**
	Truck[3]	S	S	S	S	S	S	86
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	82
	Rail	213	59.3	857	65.8	121	75.0	139
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[4]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] Estimates exclude shipments of crude petroleum (SCTG 16).
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[5] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[6] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[7] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[8] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
	All commodities[3]			
	Total	**13,852,143**	**11,299,409**	**2,969,506**
	Less than 50 miles	4,995,112	6,315,527	122,912
	50 to 99 miles	1,356,710	1,139,713	104,942
	100 to 249 miles	2,111,969	1,338,823	297,268
	250 to 499 miles	1,735,174	949,748	460,993
	500 to 749 miles	1,134,327	591,737	514,223
	750 to 999 miles	796,942	446,299	525,243
	1,000 to 1,499 miles	810,449	362,909	567,159
	1,500 to 1,999 miles	489,495	105,065	238,211
	2,000 miles or more	421,964	49,589	138,555
01	**Live animals and live fish**			
	Total	**6,390**	**2,237**	**1,475**
	Less than 50 miles	740	241	8
	50 to 99 miles	577	238	20
	100 to 249 miles	707	334	59
	250 to 499 miles	864	304	147
	500 to 749 miles	S	S	S
	750 to 999 miles	979	362	387
	1,000 to 1,499 miles	991	272	421
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
02	**Cereal grains (includes seed)**			
	Total	**130,140**	**479,064**	**184,888**
	Less than 50 miles	60,845	228,295	6,213
	50 to 99 miles	14,537	53,342	5,185
	100 to 249 miles	14,219	50,533	12,795
	250 to 499 miles	9,268	34,163	17,728
	500 to 749 miles	14,984	53,398	50,144
	750 to 999 miles	8,059	28,773	S
	1,000 to 1,499 miles	7,519	28,788	50,481
	1,500 to 1,999 miles	628	1,586	3,937
	2,000 miles or more	81	185	534
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**			
	Total	**197,793**	**218,995**	**107,383**
	Less than 50 miles	65,398	81,748	2,654
	50 to 99 miles	25,130	30,483	2,884
	100 to 249 miles	27,555	28,059	5,599
	250 to 499 miles	21,042	21,812	12,007
	500 to 749 miles	13,663	19,845	20,963
	750 to 999 miles	13,609	13,874	17,216
	1,000 to 1,499 miles	16,116	15,603	25,784
	1,500 to 1,999 miles	7,606	4,790	12,505
	2,000 miles or more	7,675	2,781	7,771
04	**Animal feed, eggs, honey, and other products of animal origin**			
	Total	**118,666**	**238,507**	**59,660**
	Less than 50 miles	43,143	124,522	3,319
	50 to 99 miles	13,028	29,347	2,614
	100 to 249 miles	20,692	33,111	6,823
	250 to 499 miles	18,025	20,594	9,847
	500 to 749 miles	10,312	14,742	12,854
	750 to 999 miles	4,417	6,722	7,596
	1,000 to 1,499 miles	6,045	6,923	11,037
	1,500 to 1,999 miles	2,323	2,061	4,333
	2,000 miles or more	683	485	1,237
05	**Meat, poultry, fish, seafood, and their preparations**			
	Total	**302,153**	**90,090**	**43,798**
	Less than 50 miles	82,320	23,617	561
	50 to 99 miles	29,261	9,584	903
	100 to 249 miles	46,943	15,302	3,189
	250 to 499 miles	49,970	15,896	7,253
	500 to 749 miles	32,809	10,216	7,867
	750 to 999 miles	20,827	5,476	5,804
	1,000 to 1,499 miles	25,648	6,341	9,151
	1,500 to 1,999 miles	8,371	2,145	4,389
	2,000 miles or more	6,004	1,513	4,681
06	**Milled grain products and preparations and bakery products**			
	Total	**151,799**	**115,109**	**53,947**
	Less than 50 miles	46,350	37,949	963
	50 to 99 miles	12,933	10,213	940
	100 to 249 miles	24,970	21,015	5,063
	250 to 499 miles	24,250	15,305	7,128
	500 to 749 miles	17,766	12,678	10,649
	750 to 999 miles	9,063	6,633	7,286
	1,000 to 1,499 miles	7,102	5,626	8,597
	1,500 to 1,999 miles	5,788	4,033	8,563
	2,000 miles or more	3,577	1,657	4,757

See footnotes at end of table.

Table 8.
Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
07-R[4]	**Other prepared foodstuffs and fats and oils**			
	Total	**584,496**	**527,393**	**201,438**
	Less than 50 miles	204,428	201,121	3,892
	50 to 99 miles	57,061	57,831	5,227
	100 to 249 miles	97,139	92,746	19,128
	250 to 499 miles	76,531	68,712	30,464
	500 to 749 miles	50,942	38,526	30,608
	750 to 999 miles	31,633	24,551	27,232
	1,000 to 1,499 miles	33,030	26,340	41,272
	1,500 to 1,999 miles	18,229	9,222	20,139
	2,000 miles or more	15,504	8,344	23,476
08-R[5]	**Alcoholic beverages, and denatured alcohol**			
	Total	**178,011**	**99,255**	**35,176**
	Less than 50 miles	105,896	52,547	1,018
	50 to 99 miles	15,861	8,084	715
	100 to 249 miles	16,527	10,721	2,179
	250 to 499 miles	12,559	8,812	3,946
	500 to 749 miles	8,984	6,596	5,247
	750 to 999 miles	5,763	4,999	5,793
	1,000 to 1,499 miles	4,045	3,209	5,140
	1,500 to 1,999 miles	3,676	1,870	4,113
	2,000 miles or more	4,700	2,418	7,024
09	**Tobacco products**			
	Total	**67,395**	**2,919**	**650**
	Less than 50 miles	38,916	1,889	26
	50 to 99 miles	4,312	142	14
	100 to 249 miles	6,403	270	62
	250 to 499 miles	5,879	175	78
	500 to 749 miles	5,842	241	176
	750 to 999 miles	1,739	S	84
	1,000 to 1,499 miles	1,859	73	96
	1,500 to 1,999 miles	706	16	33
	2,000 miles or more	1,739	31	83
10	**Monumental or building stone**			
	Total	**4,221**	**11,366**	**1,605**
	Less than 50 miles	2,232	7,042	168
	50 to 99 miles	556	1,761	151
	100 to 249 miles	628	1,242	261
	250 to 499 miles	402	686	321
	500 to 749 miles	177	330	265
	750 to 999 miles	95	152	175
	1,000 to 1,499 miles	102	105	156
	1,500 to 1,999 miles	19	26	53
	2,000 miles or more	10	21	56
11	**Natural sands**			
	Total	**7,806**	**438,136**	**38,847**
	Less than 50 miles	3,760	337,037	6,782
	50 to 99 miles	794	56,338	4,761
	100 to 249 miles	689	17,162	3,475
	250 to 499 miles	954	14,073	7,510
	500 to 749 miles	622	5,593	5,201
	750 to 999 miles	385	3,623	4,353
	1,000 to 1,499 miles	496	3,841	5,771
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	61	170
12	**Gravel and crushed stone (excludes dolomite and slate)**			
	Total	**17,519**	**1,538,494**	**82,244**
	Less than 50 miles	13,824	1,294,821	22,578
	50 to 99 miles	1,399	114,212	10,347
	100 to 249 miles	974	71,649	15,622
	250 to 499 miles	683	46,324	21,901
	500 to 749 miles	205	7,532	6,816
	750 to 999 miles	221	2,952	3,183
	1,000 to 1,499 miles	122	696	1,038
	1,500 to 1,999 miles	57	171	363
	2,000 miles or more	34	138	396
13	**Other nonmetallic minerals, n.e.c.**			
	Total	**13,646**	**144,500**	**35,384**
	Less than 50 miles	4,008	84,563	1,905
	50 to 99 miles	1,230	13,641	1,201
	100 to 249 miles	2,671	16,259	3,299
	250 to 499 miles	2,016	12,038	5,681
	500 to 749 miles	1,349	6,732	6,016
	750 to 999 miles	1,047	6,356	8,380
	1,000 to 1,499 miles	708	3,145	4,825
	1,500 to 1,999 miles	435	1,291	2,738
	2,000 miles or more	181	476	1,338

See footnotes at end of table.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
14	**Metallic ores and concentrates**			
	Total	**29,072**	**94,801**	**48,181**
	Less than 50 miles	3,359	11,095	414
	50 to 99 miles	3,423	25,736	2,472
	100 to 249 miles	4,601	2,961	627
	250 to 499 miles	6,915	29,609	19,003
	500 to 749 miles	5,860	16,357	14,603
	750 to 999 miles	1,229	5,157	S
	1,000 to 1,499 miles	1,575	3,740	4,825
	1,500 to 1,999 miles	1,554	95	185
	2,000 miles or more	556	52	133
15	**Coal**			
	Total	**41,178**	**1,047,934**	**663,676**
	Less than 50 miles	12,779	276,235	7,266
	50 to 99 miles	3,585	70,100	8,956
	100 to 249 miles	8,754	142,242	48,576
	250 to 499 miles	8,262	150,012	81,912
	500 to 749 miles	3,206	121,207	118,292
	750 to 999 miles	2,623	158,788	192,862
	1,000 to 1,499 miles	1,735	117,381	180,629
	1,500 to 1,999 miles	234	11,967	25,179
	2,000 miles or more	S	S	S
17-R[6]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**			
	Total	**1,158,935**	**1,244,059**	**97,395**
	Less than 50 miles	924,709	981,953	15,213
	50 to 99 miles	110,050	119,939	9,406
	100 to 249 miles	72,782	79,765	13,821
	250 to 499 miles	15,625	17,837	7,585
	500 to 749 miles	14,795	16,907	13,917
	750 to 999 miles	12,782	16,609	18,199
	1,000 to 1,499 miles	6,513	9,351	15,186
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
18-R[7]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**			
	Total	**706,535**	**843,282**	**59,341**
	Less than 50 miles	573,377	690,806	9,330
	50 to 99 miles	58,267	65,484	5,675
	100 to 249 miles	43,530	49,611	8,188
	250 to 499 miles	20,707	23,339	9,153
	500 to 749 miles	S	S	S
	750 to 999 miles	2,239	3,045	3,327
	1,000 to 1,499 miles	975	1,119	1,751
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
19	**Other coal and petroleum products, n.e.c.**			
	Total	**388,085**	**528,059**	**99,564**
	Less than 50 miles	157,920	323,171	5,647
	50 to 99 miles	50,446	45,726	4,370
	100 to 249 miles	81,116	76,497	16,115
	250 to 499 miles	46,781	40,087	18,199
	500 to 749 miles	18,768	16,211	13,972
	750 to 999 miles	16,418	14,492	19,451
	1,000 to 1,499 miles	10,635	7,470	12,151
	1,500 to 1,999 miles	4,427	3,786	8,016
	2,000 miles or more	1,573	618	1,643
20	**Basic chemicals**			
	Total	**316,754**	**342,969**	**143,230**
	Less than 50 miles	94,323	120,886	2,622
	50 to 99 miles	35,484	45,204	4,242
	100 to 249 miles	41,256	52,571	11,583
	250 to 499 miles	47,600	42,315	21,194
	500 to 749 miles	35,555	32,788	30,512
	750 to 999 miles	26,183	23,717	27,272
	1,000 to 1,499 miles	22,422	17,281	27,317
	1,500 to 1,999 miles	8,524	7,108	15,311
	2,000 miles or more	5,407	1,100	3,176
21	**Pharmaceutical products**			
	Total	**814,703**	**16,197**	**7,798**
	Less than 50 miles	212,287	5,186	139
	50 to 99 miles	120,990	2,306	211
	100 to 249 miles	173,748	2,969	599
	250 to 499 miles	112,643	1,391	636
	500 to 749 miles	57,601	1,219	916
	750 to 999 miles	44,517	1,172	1,218
	1,000 to 1,499 miles	42,498	812	1,190
	1,500 to 1,999 miles	26,464	447	937
	2,000 miles or more	23,955	696	1,952

See footnotes at end of table.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
22	**Fertilizers**			
	Total	**84,213**	**193,918**	**61,745**
	Less than 50 miles	38,254	99,368	2,472
	50 to 99 miles	9,139	17,762	1,635
	100 to 249 miles	12,003	24,663	5,321
	250 to 499 miles	8,358	18,005	8,902
	500 to 749 miles	6,533	13,757	12,279
	750 to 999 miles	4,423	8,234	9,174
	1,000 to 1,499 miles	4,185	9,099	14,777
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	85	127	375
23	**Chemical products and preparations, n.e.c.**			
	Total	**351,146**	**105,660**	**46,991**
	Less than 50 miles	91,896	31,632	734
	50 to 99 miles	28,737	10,360	944
	100 to 249 miles	51,329	18,287	3,766
	250 to 499 miles	65,040	17,733	8,044
	500 to 749 miles	39,495	11,308	8,800
	750 to 999 miles	28,579	7,786	8,482
	1,000 to 1,499 miles	23,266	4,719	7,153
	1,500 to 1,999 miles	10,799	2,208	4,651
	2,000 miles or more	12,005	1,626	4,418
24	**Plastics and rubber**			
	Total	**549,130**	**182,918**	**100,600**
	Less than 50 miles	145,186	47,510	1,198
	50 to 99 miles	45,526	14,723	1,346
	100 to 249 miles	76,496	27,983	6,247
	250 to 499 miles	94,259	32,046	14,983
	500 to 749 miles	64,070	20,033	15,926
	750 to 999 miles	45,251	17,648	19,987
	1,000 to 1,499 miles	46,836	16,631	25,906
	1,500 to 1,999 miles	19,700	4,440	9,843
	2,000 miles or more	11,805	1,904	5,163
25	**Logs and other wood in the rough**			
	Total	**4,527**	**35,123**	**3,878**
	Less than 50 miles	1,865	21,123	683
	50 to 99 miles	656	7,772	708
	100 to 249 miles	793	3,421	691
	250 to 499 miles	739	1,963	818
	500 to 749 miles	208	425	320
	750 to 999 miles	65	149	156
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	53	149
26	**Wood products**			
	Total	**144,134**	**297,429**	**82,275**
	Less than 50 miles	51,041	120,046	3,563
	50 to 99 miles	19,942	50,719	4,674
	100 to 249 miles	29,241	60,366	12,138
	250 to 499 miles	18,120	33,115	15,573
	500 to 749 miles	9,200	13,917	11,170
	750 to 999 miles	5,388	6,640	7,528
	1,000 to 1,499 miles	4,935	5,520	9,207
	1,500 to 1,999 miles	3,370	4,147	9,590
	2,000 miles or more	2,898	2,959	8,831
27	**Pulp, newsprint, paper, and paperboard**			
	Total	**123,892**	**123,300**	**69,122**
	Less than 50 miles	29,663	25,791	587
	50 to 99 miles	11,158	10,971	1,034
	100 to 249 miles	19,097	21,413	4,939
	250 to 499 miles	23,033	23,790	11,507
	500 to 749 miles	18,005	18,235	14,756
	750 to 999 miles	10,196	11,060	12,511
	1,000 to 1,499 miles	6,714	6,417	10,162
	1,500 to 1,999 miles	4,183	4,125	9,384
	2,000 miles or more	1,842	1,499	4,243
28	**Paper or paperboard articles**			
	Total	**126,268**	**76,530**	**26,687**
	Less than 50 miles	41,032	26,927	641
	50 to 99 miles	13,289	9,721	885
	100 to 249 miles	22,915	15,669	3,202
	250 to 499 miles	19,102	9,692	4,413
	500 to 749 miles	12,288	6,386	4,974
	750 to 999 miles	7,347	3,834	4,172
	1,000 to 1,499 miles	5,035	2,020	2,996
	1,500 to 1,999 miles	3,181	1,617	3,576
	2,000 miles or more	2,079	663	1,827

See footnotes at end of table.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
29	**Printed products**			
	Total	**159,583**	**38,800**	**14,890**
	Less than 50 miles	49,080	16,372	343
	50 to 99 miles	8,715	2,283	204
	100 to 249 miles	17,554	6,058	1,228
	250 to 499 miles	21,982	4,985	2,221
	500 to 749 miles	18,772	3,905	2,917
	750 to 999 miles	15,966	2,250	2,351
	1,000 to 1,499 miles	11,715	1,402	1,997
	1,500 to 1,999 miles	8,412	956	2,016
	2,000 miles or more	7,388	588	1,611
30	**Textiles, leather, and articles of textiles or leather**			
	Total	**465,777**	**39,849**	**25,485**
	Less than 50 miles	90,719	10,323	220
	50 to 99 miles	33,319	2,906	269
	100 to 249 miles	76,922	5,639	1,214
	250 to 499 miles	79,005	6,292	2,884
	500 to 749 miles	51,409	5,301	4,086
	750 to 999 miles	32,698	2,577	2,696
	1,000 to 1,499 miles	33,757	2,632	3,751
	1,500 to 1,999 miles	28,606	1,682	3,517
	2,000 miles or more	39,342	2,497	6,847
31	**Nonmetallic mineral products**			
	Total	**180,504**	**793,046**	**93,581**
	Less than 50 miles	71,177	543,646	9,329
	50 to 99 miles	16,547	73,872	6,723
	100 to 249 miles	31,571	96,411	20,212
	250 to 499 miles	26,518	51,281	24,616
	500 to 749 miles	14,656	14,756	12,012
	750 to 999 miles	6,457	5,254	5,850
	1,000 to 1,499 miles	5,824	4,635	7,090
	1,500 to 1,999 miles	3,866	1,877	4,010
	2,000 miles or more	3,887	1,313	3,739
32	**Base metal in primary or semifinished forms and in finished basic shapes**			
	Total	**457,280**	**304,658**	**109,923**
	Less than 50 miles	120,707	85,363	1,971
	50 to 99 miles	44,095	36,409	3,288
	100 to 249 miles	94,964	72,513	15,494
	250 to 499 miles	88,573	58,875	27,260
	500 to 749 miles	44,494	24,458	19,106
	750 to 999 miles	21,655	11,811	13,547
	1,000 to 1,499 miles	22,773	8,743	13,818
	1,500 to 1,999 miles	11,556	4,333	9,655
	2,000 miles or more	8,462	2,153	5,785
33	**Articles of base metal**			
	Total	**352,135**	**100,754**	**41,985**
	Less than 50 miles	107,837	31,098	731
	50 to 99 miles	30,820	9,183	822
	100 to 249 miles	56,311	19,512	4,044
	250 to 499 miles	53,021	16,227	7,344
	500 to 749 miles	35,709	10,796	8,343
	750 to 999 miles	23,286	5,846	6,358
	1,000 to 1,499 miles	25,181	5,269	7,840
	1,500 to 1,999 miles	12,043	1,920	4,057
	2,000 miles or more	7,927	903	2,446
34	**Machinery**			
	Total	**753,095**	**74,650**	**36,968**
	Less than 50 miles	191,044	26,662	562
	50 to 99 miles	58,033	5,422	499
	100 to 249 miles	107,003	9,637	2,117
	250 to 499 miles	120,053	10,646	4,940
	500 to 749 miles	90,397	7,763	6,046
	750 to 999 miles	66,583	5,021	5,424
	1,000 to 1,499 miles	66,204	5,609	8,470
	1,500 to 1,999 miles	33,901	2,833	5,993
	2,000 miles or more	19,878	1,058	2,917
35	**Electronic and other electrical equipment and components and office equipment**			
	Total	**1,031,944**	**46,212**	**28,362**
	Less than 50 miles	247,495	14,576	392
	50 to 99 miles	43,930	2,869	279
	100 to 249 miles	94,970	5,080	1,077
	250 to 499 miles	131,371	6,650	2,978
	500 to 749 miles	115,387	5,387	4,153
	750 to 999 miles	95,306	3,373	3,622
	1,000 to 1,499 miles	129,168	4,128	6,098
	1,500 to 1,999 miles	97,893	2,430	5,065
	2,000 miles or more	76,424	1,718	4,697

See footnotes at end of table.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
36	**Motorized and other vehicles (including parts)**			
	Total	**1,038,341**	**130,069**	**64,758**
	Less than 50 miles	280,259	36,730	818
	50 to 99 miles	78,296	12,776	1,102
	100 to 249 miles	157,209	20,515	4,519
	250 to 499 miles	180,123	20,745	9,569
	500 to 749 miles	124,011	17,427	12,793
	750 to 999 miles	80,773	7,594	8,276
	1,000 to 1,499 miles	73,532	7,504	11,315
	1,500 to 1,999 miles	43,167	4,050	8,989
	2,000 miles or more	20,971	2,728	7,377
37	**Transportation equipment, n.e.c.**			
	Total	**280,391**	**7,514**	**4,342**
	Less than 50 miles	117,434	2,353	50
	50 to 99 miles	9,081	239	25
	100 to 249 miles	17,546	820	188
	250 to 499 miles	22,749	1,561	868
	500 to 749 miles	17,473	960	777
	750 to 999 miles	21,910	619	707
	1,000 to 1,499 miles	24,557	705	1,122
	1,500 to 1,999 miles	20,287	143	298
	2,000 miles or more	29,353	114	308
38	**Precision instruments and apparatus**			
	Total	**351,894**	**7,306**	**5,324**
	Less than 50 miles	53,738	2,209	130
	50 to 99 miles	18,054	372	58
	100 to 249 miles	37,637	623	142
	250 to 499 miles	44,112	858	414
	500 to 749 miles	42,028	905	653
	750 to 999 miles	41,093	709	765
	1,000 to 1,499 miles	47,822	758	1,114
	1,500 to 1,999 miles	32,440	529	1,102
	2,000 miles or more	34,971	344	945
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**			
	Total	**160,790**	**27,573**	**13,621**
	Less than 50 miles	43,256	6,054	145
	50 to 99 miles	12,744	2,522	229
	100 to 249 miles	34,093	7,200	1,570
	250 to 499 miles	22,131	4,211	1,914
	500 to 749 miles	15,675	2,947	2,231
	750 to 999 miles	10,836	1,722	1,822
	1,000 to 1,499 miles	10,024	1,271	1,866
	1,500 to 1,999 miles	6,398	1,035	2,152
	2,000 miles or more	5,633	610	1,694
40	**Miscellaneous manufactured products**			
	Total	**517,067**	**74,128**	**31,204**
	Less than 50 miles	87,663	29,462	652
	50 to 99 miles	34,822	5,708	519
	100 to 249 miles	72,041	11,743	2,388
	250 to 499 miles	76,578	9,594	4,316
	500 to 749 miles	55,832	6,226	4,724
	750 to 999 miles	47,051	4,236	4,513
	1,000 to 1,499 miles	54,425	3,343	4,875
	1,500 to 1,999 miles	38,317	1,986	4,189
	2,000 miles or more	50,338	1,829	5,027
41	**Waste and scrap**			
	Total	**107,002**	**241,232**	**66,654**
	Less than 50 miles	50,244	116,613	2,952
	50 to 99 miles	11,108	27,521	2,538
	100 to 249 miles	16,134	41,641	9,177
	250 to 499 miles	12,921	23,358	11,418
	500 to 749 miles	7,382	9,844	7,627
	750 to 999 miles	3,944	7,471	8,490
	1,000 to 1,499 miles	2,907	S	S
	1,500 to 1,999 miles	1,161	2,805	5,520
	2,000 miles or more	1,200	1,486	4,166
43	**Mixed freight**			
	Total	**1,377,371**	**374,071**	**75,269**
	Less than 50 miles	434,910	136,945	4,020
	50 to 99 miles	269,487	74,856	6,753
	100 to 249 miles	400,164	104,343	20,482
	250 to 499 miles	146,407	34,637	14,317
	500 to 749 miles	51,981	9,927	7,481
	750 to 999 miles	24,308	4,931	5,204
	1,000 to 1,499 miles	21,325	3,707	5,729
	1,500 to 1,999 miles	16,108	2,942	6,289
	2,000 miles or more	12,681	1,784	4,994

See footnotes at end of table.

Table 8.

Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[1]	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)
99	**Commodity unknown**			
	Total	**360**	**1,303**	**162**
	Less than 50 miles	0	0	0
	50 to 99 miles	286	1,035	113
	100 to 249 miles	74	268	48
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0

S Withheld because estimate did not meet publication standards.

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] Estimates exclude shipments of crude petroleum (SCTG 16).

[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 9.

Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
	All commodities[2]				
	Total	**13,852,143**	**11,299,409**	**2,969,506**	**630**
	Less than 50 lbs.	1,834,685	31,186	18,170	738
	50 to 99 lbs.	449,065	17,511	6,774	389
	100 to 499 lbs.	1,174,345	96,778	26,972	291
	500 to 749 lbs.	356,543	49,115	11,429	233
	750 to 999 lbs.	260,051	42,923	9,054	211
	1,000 to 9,999 lbs.	2,563,775	700,842	158,537	221
	10,000 to 49,999 lbs.	4,614,596	4,480,995	877,905	198
	50,000 to 99,999 lbs.	1,049,816	2,227,930	180,287	79
	100,000 lbs. or more	1,549,267	3,652,128	1,680,378	577
01	**Live animals and live fish**				
	Total	**6,390**	**2,237**	**1,475**	**565**
	Less than 50 lbs.	106	5	2	649
	50 to 99 lbs.	104	12	S	351
	100 to 499 lbs.	358	70	S	562
	500 to 749 lbs.	76	22	S	440
	750 to 999 lbs.	51	16	S	S
	1,000 to 9,999 lbs.	S	S	S	292
	10,000 to 49,999 lbs.	4,087	1,508	1,185	696
	50,000 to 99,999 lbs.	693	252	142	565
	100,000 lbs. or more	492	187	46	307
02	**Cereal grains (includes seed)**				
	Total	**130,140**	**479,064**	**184,888**	**202**
	Less than 50 lbs.	18	2	1	956
	50 to 99 lbs.	12	S	S	796
	100 to 499 lbs.	134	48	16	303
	500 to 749 lbs.	79	31	1	39
	750 to 999 lbs.	53	27	S	115
	1,000 to 9,999 lbs.	1,924	1,115	132	134
	10,000 to 49,999 lbs.	11,022	26,021	2,566	102
	50,000 to 99,999 lbs.	46,623	184,809	13,823	75
	100,000 lbs. or more	70,275	267,005	168,340	713
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**				
	Total	**197,793**	**218,995**	**107,383**	**505**
	Less than 50 lbs.	7,544	405	205	768
	50 to 99 lbs.	2,809	371	62	171
	100 to 499 lbs.	9,531	2,618	334	126
	500 to 749 lbs.	3,763	1,191	194	159
	750 to 999 lbs.	2,670	948	128	133
	1,000 to 9,999 lbs.	30,735	16,163	4,757	257
	10,000 to 49,999 lbs.	64,178	50,720	28,205	525
	50,000 to 99,999 lbs.	28,343	59,085	4,771	79
	100,000 lbs. or more	48,222	87,494	68,726	789
04	**Animal feed, eggs, honey, and other products of animal origin**				
	Total	**118,666**	**238,507**	**59,660**	**706**
	Less than 50 lbs.	1,336	129	116	1,077
	50 to 99 lbs.	267	57	S	639
	100 to 499 lbs.	1,508	539	92	213
	500 to 749 lbs.	642	349	34	93
	750 to 999 lbs.	562	282	33	116
	1,000 to 9,999 lbs.	11,096	8,681	1,025	116
	10,000 to 49,999 lbs.	69,697	111,359	21,964	182
	50,000 to 99,999 lbs.	20,997	84,269	11,231	131
	100,000 lbs. or more	12,560	32,843	25,129	796
05	**Meat, poultry, fish, seafood, and their preparations**				
	Total	**302,153**	**90,090**	**43,798**	**184**
	Less than 50 lbs.	2,855	229	41	206
	50 to 99 lbs.	3,272	313	27	84
	100 to 499 lbs.	14,339	2,077	247	114
	500 to 749 lbs.	5,380	1,113	130	118
	750 to 999 lbs.	4,522	911	118	130
	1,000 to 9,999 lbs.	59,113	14,260	4,049	237
	10,000 to 49,999 lbs.	200,436	63,887	35,205	532
	50,000 to 99,999 lbs.	6,560	3,986	2,912	740
	100,000 lbs. or more	5,677	3,315	1,068	432
06	**Milled grain products and preparations and bakery products**				
	Total	**151,799**	**115,109**	**53,947**	**169**
	Less than 50 lbs.	2,748	384	41	S
	50 to 99 lbs.	1,560	329	24	74
	100 to 499 lbs.	4,467	1,289	147	107
	500 to 749 lbs.	2,107	637	96	148
	750 to 999 lbs.	2,113	649	117	178
	1,000 to 9,999 lbs.	27,073	10,942	3,640	280
	10,000 to 49,999 lbs.	94,893	61,409	30,061	478
	50,000 to 99,999 lbs.	8,614	18,636	2,490	135
	100,000 lbs. or more	8,225	20,834	17,332	865

See footnotes at end of table.

Table 9.
Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
07-R[3]	**Other prepared foodstuffs and fats and oils**				
	Total	**584,496**	**527,393**	**201,438**	**450**
	Less than 50 lbs.	10,186	745	355	847
	50 to 99 lbs.	3,940	745	123	162
	100 to 499 lbs.	20,919	7,731	628	85
	500 to 749 lbs.	9,910	4,497	365	82
	750 to 999 lbs.	8,094	3,754	339	88
	1,000 to 9,999 lbs.	108,248	55,448	8,564	136
	10,000 to 49,999 lbs.	356,234	327,742	115,154	313
	50,000 to 99,999 lbs.	27,665	55,309	8,208	148
	100,000 lbs. or more	39,300	71,424	67,701	1,051
08-R[4]	**Alcoholic beverages, and denatured alcohol**				
	Total	**178,011**	**99,255**	**35,176**	**81**
	Less than 50 lbs.	2,898	303	54	190
	50 to 99 lbs.	3,068	471	27	57
	100 to 499 lbs.	21,218	5,841	246	43
	500 to 749 lbs.	8,711	3,261	125	38
	750 to 999 lbs.	7,170	3,097	110	36
	1,000 to 9,999 lbs.	59,717	31,053	1,603	45
	10,000 to 49,999 lbs.	59,627	38,339	18,951	399
	50,000 to 99,999 lbs.	8,412	7,323	1,878	236
	100,000 lbs. or more	7,190	9,567	12,182	1,340
09	**Tobacco products**				
	Total	**67,395**	**2,919**	**650**	**830**
	Less than 50 lbs.	4,326	47	20	970
	50 to 99 lbs.	3,117	38	5	130
	100 to 499 lbs.	9,411	184	57	288
	500 to 749 lbs.	2,251	70	23	316
	750 to 999 lbs.	1,466	49	22	440
	1,000 to 9,999 lbs.	9,829	490	147	331
	10,000 to 49,999 lbs.	36,939	1,998	335	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
10	**Monumental or building stone**				
	Total	**4,221**	**11,366**	**1,605**	**135**
	Less than 50 lbs.	16	2	Z	205
	50 to 99 lbs.	15	4	S	299
	100 to 499 lbs.	185	52	S	185
	500 to 749 lbs.	131	45	3	58
	750 to 999 lbs.	141	68	6	95
	1,000 to 9,999 lbs.	1,652	1,096	94	82
	10,000 to 49,999 lbs.	1,945	7,872	1,277	148
	50,000 to 99,999 lbs.	115	1,187	131	111
	100,000 lbs. or more	21	1,041	81	S
11	**Natural sands**				
	Total	**7,806**	**438,136**	**38,847**	**51**
	Less than 50 lbs.	1	1	Z	S
	50 to 99 lbs.	3	1	1	602
	100 to 499 lbs.	15	16	1	68
	500 to 749 lbs.	12	14	2	112
	750 to 999 lbs.	5	11	1	97
	1,000 to 9,999 lbs.	S	1,805	105	60
	10,000 to 49,999 lbs.	3,113	202,817	8,597	36
	50,000 to 99,999 lbs.	1,822	160,324	7,439	47
	100,000 lbs. or more	2,283	73,146	22,701	372
12	**Gravel and crushed stone (excludes dolomite and slate)**				
	Total	**17,519**	**1,538,494**	**82,244**	**30**
	Less than 50 lbs.	30	2	Z	106
	50 to 99 lbs.	3	1	S	S
	100 to 499 lbs.	19	22	1	S
	500 to 749 lbs.	S	13	S	142
	750 to 999 lbs.	3	24	1	34
	1,000 to 9,999 lbs.	332	7,416	262	S
	10,000 to 49,999 lbs.	10,094	883,955	22,133	24
	50,000 to 99,999 lbs.	4,043	346,732	12,463	36
	100,000 lbs. or more	2,988	300,328	47,382	118
13	**Other nonmetallic minerals, n.e.c.**				
	Total	**13,646**	**144,500**	**35,384**	**253**
	Less than 50 lbs.	686	16	S	591
	50 to 99 lbs.	116	7	2	218
	100 to 499 lbs.	408	66	9	S
	500 to 749 lbs.	158	41	6	S
	750 to 999 lbs.	S	44	S	S
	1,000 to 9,999 lbs.	1,616	1,899	259	147
	10,000 to 49,999 lbs.	7,120	68,837	11,168	154
	50,000 to 99,999 lbs.	1,216	31,164	3,010	101
	100,000 lbs. or more	2,149	42,425	20,915	752

See footnotes at end of table.

Table 9.
Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
14	**Metallic ores and concentrates**				
	Total	**29,072**	**94,801**	**48,181**	**397**
	Less than 50 lbs.	S	3	1	468
	50 to 99 lbs.	S	4	2	366
	100 to 499 lbs.	2,012	22	7	S
	500 to 749 lbs.	1,346	8	4	502
	750 to 999 lbs.	S	5	S	722
	1,000 to 9,999 lbs.	1,035	156	54	353
	10,000 to 49,999 lbs.	8,908	3,913	1,644	393
	50,000 to 99,999 lbs.	2,831	2,855	698	231
	100,000 lbs. or more	11,669	87,835	45,767	734
15	**Coal**				
	Total	**41,178**	**1,047,934**	**663,676**	**87**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	34
	500 to 749 lbs.	S	S	S	28
	750 to 999 lbs.	Z	2	Z	S
	1,000 to 9,999 lbs.	23	94	3	S
	10,000 to 49,999 lbs.	2,406	43,495	2,783	63
	50,000 to 99,999 lbs.	4,980	80,139	7,135	91
	100,000 lbs. or more	33,765	924,201	653,756	188
17-R[5]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**				
	Total	**1,158,935**	**1,244,059**	**97,395**	**46**
	Less than 50 lbs.	8	7	Z	95
	50 to 99 lbs.	38	36	1	15
	100 to 499 lbs.	515	449	23	57
	500 to 749 lbs.	290	261	7	25
	750 to 999 lbs.	336	297	6	22
	1,000 to 9,999 lbs.	22,622	22,266	1,102	48
	10,000 to 49,999 lbs.	252,076	262,725	10,425	41
	50,000 to 99,999 lbs.	468,731	500,329	16,629	33
	100,000 lbs. or more	414,319	457,689	69,202	616
18-R[6]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**				
	Total	**706,535**	**843,282**	**59,341**	**31**
	Less than 50 lbs.	17	15	1	41
	50 to 99 lbs.	59	61	S	30
	100 to 499 lbs.	1,457	1,362	32	24
	500 to 749 lbs.	2,962	2,819	54	19
	750 to 999 lbs.	3,832	3,651	109	30
	1,000 to 9,999 lbs.	61,988	63,429	1,843	27
	10,000 to 49,999 lbs.	166,785	179,800	8,654	42
	50,000 to 99,999 lbs.	159,417	180,898	9,321	51
	100,000 lbs. or more	310,018	411,249	39,325	141
19	**Other coal and petroleum products, n.e.c.**				
	Total	**388,085**	**528,059**	**99,564**	**98**
	Less than 50 lbs.	2,323	258	35	153
	50 to 99 lbs.	2,009	418	46	110
	100 to 499 lbs.	17,263	6,649	510	79
	500 to 749 lbs.	7,356	3,889	209	55
	750 to 999 lbs.	9,739	4,819	321	66
	1,000 to 9,999 lbs.	75,764	39,399	3,600	81
	10,000 to 49,999 lbs.	138,803	209,646	34,153	155
	50,000 to 99,999 lbs.	39,278	78,054	9,176	119
	100,000 lbs. or more	95,551	184,926	51,513	671
20	**Basic chemicals**				
	Total	**316,754**	**342,969**	**143,230**	**662**
	Less than 50 lbs.	15,816	397	237	995
	50 to 99 lbs.	2,977	309	75	249
	100 to 499 lbs.	14,308	3,135	458	148
	500 to 749 lbs.	4,831	2,569	190	74
	750 to 999 lbs.	3,405	1,422	233	158
	1,000 to 9,999 lbs.	44,256	23,283	3,795	145
	10,000 to 49,999 lbs.	112,733	130,474	37,704	285
	50,000 to 99,999 lbs.	7,578	19,342	4,321	203
	100,000 lbs. or more	110,850	162,037	96,217	779
21	**Pharmaceutical products**				
	Total	**814,703**	**16,197**	**7,798**	**656**
	Less than 50 lbs.	337,168	1,936	680	676
	50 to 99 lbs.	72,533	525	158	287
	100 to 499 lbs.	123,916	1,642	582	344
	500 to 749 lbs.	23,231	511	195	381
	750 to 999 lbs.	21,423	498	180	365
	1,000 to 9,999 lbs.	137,815	4,459	2,067	462
	10,000 to 49,999 lbs.	94,201	6,198	3,752	503
	50,000 to 99,999 lbs.	1,848	235	29	S
	100,000 lbs. or more	2,569	191	154	962

See footnotes at end of table.

Table 9.
Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
22	**Fertilizers**				
	Total	**84,213**	**193,918**	**61,745**	**142**
	Less than 50 lbs.	83	11	S	400
	50 to 99 lbs.	105	38	S	130
	100 to 499 lbs.	545	276	16	59
	500 to 749 lbs.	318	227	17	75
	750 to 999 lbs.	160	133	S	159
	1,000 to 9,999 lbs.	8,237	10,683	632	S
	10,000 to 49,999 lbs.	31,180	57,929	9,456	124
	50,000 to 99,999 lbs.	16,178	37,670	6,748	180
	100,000 lbs. or more	27,408	86,952	44,842	673
23	**Chemical products and preparations, n.e.c.**				
	Total	**351,146**	**105,660**	**46,991**	**667**
	Less than 50 lbs.	33,419	962	523	753
	50 to 99 lbs.	9,384	518	209	402
	100 to 499 lbs.	32,664	2,912	1,035	348
	500 to 749 lbs.	9,573	1,277	464	361
	750 to 999 lbs.	9,217	1,150	469	409
	1,000 to 9,999 lbs.	85,068	19,079	6,993	353
	10,000 to 49,999 lbs.	161,231	70,319	30,686	448
	50,000 to 99,999 lbs.	2,163	2,719	693	226
	100,000 lbs. or more	8,426	6,725	5,920	892
24	**Plastics and rubber**				
	Total	**549,130**	**182,918**	**100,600**	**696**
	Less than 50 lbs.	39,451	1,468	776	817
	50 to 99 lbs.	16,118	1,334	469	360
	100 to 499 lbs.	50,973	5,471	1,745	305
	500 to 749 lbs.	16,537	2,098	841	400
	750 to 999 lbs.	10,393	1,501	533	354
	1,000 to 9,999 lbs.	132,715	28,537	11,503	398
	10,000 to 49,999 lbs.	206,142	81,046	41,112	497
	50,000 to 99,999 lbs.	4,362	3,521	1,028	273
	100,000 lbs. or more	72,438	57,943	42,592	747
25	**Logs and other wood in the rough**				
	Total	**4,527**	**35,123**	**3,878**	**184**
	Less than 50 lbs.	10	1	1	1,395
	50 to 99 lbs.	2	1	Z	S
	100 to 499 lbs.	13	4	1	104
	500 to 749 lbs.	S	5	1	135
	750 to 999 lbs.	S	4	1	S
	1,000 to 9,999 lbs.	273	582	57	90
	10,000 to 49,999 lbs.	2,232	12,383	2,000	160
	50,000 to 99,999 lbs.	1,043	18,579	1,185	62
	100,000 lbs. or more	S	S	634	S
26	**Wood products**				
	Total	**144,134**	**297,429**	**82,275**	**299**
	Less than 50 lbs.	2,481	134	61	515
	50 to 99 lbs.	1,986	209	83	400
	100 to 499 lbs.	9,430	1,604	322	210
	500 to 749 lbs.	3,540	891	158	179
	750 to 999 lbs.	2,840	816	142	174
	1,000 to 9,999 lbs.	33,266	20,755	3,171	153
	10,000 to 49,999 lbs.	65,640	134,570	34,578	233
	50,000 to 99,999 lbs.	15,667	92,243	13,762	147
	100,000 lbs. or more	9,284	46,207	29,998	813
27	**Pulp, newsprint, paper, and paperboard**				
	Total	**123,892**	**123,300**	**69,122**	**261**
	Less than 50 lbs.	4,000	149	46	293
	50 to 99 lbs.	1,242	132	31	239
	100 to 499 lbs.	4,046	986	156	153
	500 to 749 lbs.	2,064	613	89	148
	750 to 999 lbs.	1,295	472	65	137
	1,000 to 9,999 lbs.	19,309	9,797	1,918	179
	10,000 to 49,999 lbs.	66,136	72,395	37,856	483
	50,000 to 99,999 lbs.	5,220	8,107	3,094	366
	100,000 lbs. or more	20,582	30,649	25,867	884
28	**Paper or paperboard articles**				
	Total	**126,268**	**76,530**	**26,687**	**634**
	Less than 50 lbs.	7,030	349	183	876
	50 to 99 lbs.	2,026	251	62	246
	100 to 499 lbs.	7,769	1,630	231	141
	500 to 749 lbs.	2,693	799	95	118
	750 to 999 lbs.	2,144	655	79	119
	1,000 to 9,999 lbs.	25,795	12,620	2,434	160
	10,000 to 49,999 lbs.	76,576	55,446	20,830	356
	50,000 to 99,999 lbs.	754	1,450	360	225
	100,000 lbs. or more	1,482	3,328	2,413	736

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SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
29	**Printed products**				
	Total	**159,583**	**38,800**	**14,890**	**506**
	Less than 50 lbs.	43,720	2,291	1,331	510
	50 to 99 lbs.	11,459	858	401	455
	100 to 499 lbs.	24,658	2,357	1,112	462
	500 to 749 lbs.	8,029	985	391	396
	750 to 999 lbs.	3,787	691	260	373
	1,000 to 9,999 lbs.	35,226	9,134	3,722	441
	10,000 to 49,999 lbs.	30,243	20,627	7,369	348
	50,000 to 99,999 lbs.	2,147	1,413	149	100
	100,000 lbs. or more	314	445	S	332
30	**Textiles, leather, and articles of textiles or leather**				
	Total	**465,777**	**39,849**	**25,485**	**1,064**
	Less than 50 lbs.	108,435	2,101	2,097	1,084
	50 to 99 lbs.	16,783	664	569	850
	100 to 499 lbs.	47,839	2,191	1,632	757
	500 to 749 lbs.	16,542	807	552	693
	750 to 999 lbs.	11,958	703	507	722
	1,000 to 9,999 lbs.	129,631	8,626	5,583	670
	10,000 to 49,999 lbs.	127,220	19,071	11,442	568
	50,000 to 99,999 lbs.	4,467	1,856	527	285
	100,000 lbs. or more	2,903	3,830	S	754
31	**Nonmetallic mineral products**				
	Total	**180,504**	**793,046**	**93,581**	**414**
	Less than 50 lbs.	10,142	409	234	717
	50 to 99 lbs.	2,878	311	107	330
	100 to 499 lbs.	10,948	1,949	574	340
	500 to 749 lbs.	3,314	856	201	236
	750 to 999 lbs.	1,651	739	122	165
	1,000 to 9,999 lbs.	33,068	31,726	3,123	117
	10,000 to 49,999 lbs.	95,956	513,931	52,017	90
	50,000 to 99,999 lbs.	15,170	157,188	12,669	82
	100,000 lbs. or more	7,376	85,937	24,534	287
32	**Base metal in primary or semifinished forms and in finished basic shapes**				
	Total	**457,280**	**304,658**	**109,923**	**320**
	Less than 50 lbs.	11,380	356	136	425
	50 to 99 lbs.	5,348	367	90	249
	100 to 499 lbs.	22,925	2,829	668	236
	500 to 749 lbs.	10,027	1,697	393	231
	750 to 999 lbs.	6,663	1,420	329	231
	1,000 to 9,999 lbs.	89,176	30,228	7,383	240
	10,000 to 49,999 lbs.	241,237	182,817	61,259	325
	50,000 to 99,999 lbs.	26,247	28,151	6,717	245
	100,000 lbs. or more	44,278	56,794	32,948	573
33	**Articles of base metal**				
	Total	**352,135**	**100,754**	**41,985**	**530**
	Less than 50 lbs.	50,237	1,118	657	583
	50 to 99 lbs.	14,375	679	279	409
	100 to 499 lbs.	42,535	3,853	1,397	365
	500 to 749 lbs.	15,642	1,835	646	350
	750 to 999 lbs.	9,687	1,538	565	365
	1,000 to 9,999 lbs.	89,389	21,707	7,558	343
	10,000 to 49,999 lbs.	104,810	49,931	20,899	402
	50,000 to 99,999 lbs.	8,102	5,784	1,942	324
	100,000 lbs. or more	17,359	14,310	8,041	623
34	**Machinery**				
	Total	**753,095**	**74,650**	**36,968**	**438**
	Less than 50 lbs.	121,430	1,778	799	436
	50 to 99 lbs.	34,380	1,064	444	418
	100 to 499 lbs.	103,628	4,730	2,046	427
	500 to 749 lbs.	30,253	1,938	860	435
	750 to 999 lbs.	18,065	1,169	552	468
	1,000 to 9,999 lbs.	179,487	17,612	9,749	569
	10,000 to 49,999 lbs.	225,076	37,990	16,780	468
	50,000 to 99,999 lbs.	22,894	4,661	3,185	656
	100,000 lbs. or more	17,884	3,707	2,553	613
35	**Electronic and other electrical equipment and components and office equipment**				
	Total	**1,031,944**	**46,212**	**28,362**	**838**
	Less than 50 lbs.	377,168	3,556	2,616	874
	50 to 99 lbs.	91,710	1,515	819	543
	100 to 499 lbs.	196,638	5,835	2,779	482
	500 to 749 lbs.	52,744	2,162	1,175	531
	750 to 999 lbs.	32,785	1,358	670	491
	1,000 to 9,999 lbs.	183,075	14,251	8,568	585
	10,000 to 49,999 lbs.	90,284	14,683	9,881	698
	50,000 to 99,999 lbs.	2,848	1,309	765	579
	100,000 lbs. or more	4,692	1,543	1,090	749

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SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
36	**Motorized and other vehicles (including parts)**				
	Total	**1,038,341**	**130,069**	**64,758**	**479**
	Less than 50 lbs.	130,503	4,382	1,786	487
	50 to 99 lbs.	38,404	2,009	803	404
	100 to 499 lbs.	105,186	6,875	3,031	435
	500 to 749 lbs.	27,940	2,516	1,096	430
	750 to 999 lbs.	22,392	1,953	847	428
	1,000 to 9,999 lbs.	295,554	34,380	18,011	502
	10,000 to 49,999 lbs.	349,786	66,208	31,037	468
	50,000 to 99,999 lbs.	26,312	5,377	3,766	702
	100,000 lbs. or more	42,263	6,369	4,381	683
37	**Transportation equipment, n.e.c.**				
	Total	**280,391**	**7,514**	**4,342**	**844**
	Less than 50 lbs.	56,986	98	89	851
	50 to 99 lbs.	15,092	41	32	767
	100 to 499 lbs.	28,262	180	153	833
	500 to 749 lbs.	8,029	72	67	929
	750 to 999 lbs.	3,351	50	42	839
	1,000 to 9,999 lbs.	31,179	974	637	759
	10,000 to 49,999 lbs.	52,287	2,284	1,251	586
	50,000 to 99,999 lbs.	S	742	339	446
	100,000 lbs. or more	62,272	3,073	1,732	866
38	**Precision instruments and apparatus**				
	Total	**351,894**	**7,306**	**5,324**	**954**
	Less than 50 lbs.	165,568	765	718	961
	50 to 99 lbs.	31,699	258	221	853
	100 to 499 lbs.	58,098	901	764	853
	500 to 749 lbs.	12,648	298	203	670
	750 to 999 lbs.	9,222	257	238	923
	1,000 to 9,999 lbs.	44,556	1,612	1,189	732
	10,000 to 49,999 lbs.	28,519	1,662	1,610	901
	50,000 to 99,999 lbs.	1,042	89	44	507
	100,000 lbs. or more	S	S	S	389
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**				
	Total	**160,790**	**27,573**	**13,621**	**837**
	Less than 50 lbs.	10,894	523	483	1,060
	50 to 99 lbs.	6,372	505	332	646
	100 to 499 lbs.	30,677	3,340	1,593	496
	500 to 749 lbs.	9,920	1,292	590	454
	750 to 999 lbs.	6,609	967	451	467
	1,000 to 9,999 lbs.	61,261	11,032	4,900	471
	10,000 to 49,999 lbs.	33,623	9,501	5,060	564
	50,000 to 99,999 lbs.	S	263	114	422
	100,000 lbs. or more	348	152	S	S
40	**Miscellaneous manufactured products**				
	Total	**517,067**	**74,128**	**31,204**	**1,042**
	Less than 50 lbs.	186,569	2,540	2,450	1,074
	50 to 99 lbs.	25,857	913	766	834
	100 to 499 lbs.	64,858	3,305	2,345	711
	500 to 749 lbs.	20,601	1,311	967	726
	750 to 999 lbs.	10,883	1,109	630	568
	1,000 to 9,999 lbs.	92,870	13,038	6,974	567
	10,000 to 49,999 lbs.	106,144	41,831	13,973	360
	50,000 to 99,999 lbs.	5,393	5,919	1,089	176
	100,000 lbs. or more	3,892	4,163	2,011	569
41	**Waste and scrap**				
	Total	**107,002**	**241,232**	**66,654**	**183**
	Less than 50 lbs.	116	S	S	300
	50 to 99 lbs.	S	Z	Z	301
	100 to 499 lbs.	S	9	S	226
	500 to 749 lbs.	S	9	1	S
	750 to 999 lbs.	S	9	1	S
	1,000 to 9,999 lbs.	1,819	1,501	127	87
	10,000 to 49,999 lbs.	69,130	121,526	23,214	176
	50,000 to 99,999 lbs.	11,104	26,242	4,943	194
	100,000 lbs. or more	24,443	91,934	38,365	314
43	**Mixed freight**				
	Total	**1,377,371**	**374,071**	**75,269**	**413**
	Less than 50 lbs.	86,379	3,308	1,382	517
	50 to 99 lbs.	27,501	2,138	450	215
	100 to 499 lbs.	90,537	11,728	1,928	171
	500 to 749 lbs.	32,816	6,087	973	159
	750 to 999 lbs.	30,734	5,655	787	139
	1,000 to 9,999 lbs.	337,008	99,352	17,161	165
	10,000 to 49,999 lbs.	755,840	232,125	49,680	212
	50,000 to 99,999 lbs.	14,913	9,717	1,360	S
	100,000 lbs. or more	1,643	3,962	1,549	473

See footnotes at end of table.

Table 9.
Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
99	**Commodity unknown**				
	Total	**360**	**1,303**	**162**	**112**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	353	1,301	161	117

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.
[2] Estimates exclude shipments of crude petroleum (SCTG 16).
[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 10a.

Shipment Characteristics by NAICS[1] for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
	Total	**13,852,143**	**11,299,409**	**2,969,506**	**630**
212	Mining (except oil and gas)	99,888	2,900,863	859,267	47
31–33	Manufacturing	5,679,313	4,155,850	1,279,523	713
311	Food manufacturing	744,573	545,892	261,169	239
312	Beverage and tobacco product manufacturing	142,936	159,843	49,408	292
313	Textile mills	30,328	7,101	3,731	765
314	Textile product mills	21,595	5,096	2,313	918
315	Apparel manufacturing	12,462	515	402	1,169
316	Leather and allied product manufacturing	4,870	688	707	1,105
321	Wood product manufacturing	76,802	211,440	59,705	341
322	Paper manufacturing	180,585	156,327	83,270	532
323	Printing and related support activities	79,263	21,535	10,296	769
324	Petroleum and coal products manufacturing	835,321	1,222,084	165,106	216
325	Chemical manufacturing	785,839	609,778	313,078	887
326	Plastics and rubber products manufacturing	216,973	59,798	33,421	764
327	Nonmetallic mineral product manufacturing	98,603	707,054	73,594	180
331	Primary metal manufacturing	265,380	189,419	87,875	602
332	Fabricated metal product manufacturing	333,287	96,723	38,545	562
333	Machinery manufacturing	402,610	36,938	26,510	889
334	Computer and electronic product manufacturing	331,636	4,576	3,791	1,164
335	Electrical equipment, appliance, and component manufacturing	120,145	16,619	12,347	998
336	Transportation equipment manufacturing	782,011	80,977	38,028	806
337	Furniture and related product manufacturing	66,809	14,850	9,652	792
339	Miscellaneous manufacturing	147,284	8,599	6,571	1,003
42	Wholesale trade	6,119,269	3,780,403	723,220	413
423	Merchant wholesalers, durable goods	2,605,062	969,034	228,502	455
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	540,855	66,571	31,340	381
4232	Furniture and home furnishing merchant wholesalers	66,139	16,524	9,024	672
4233	Lumber and other construction materials merchant wholesalers	114,200	329,887	31,865	87
4234	Professional and commercial equipment and supplies merchant wholesalers	437,435	22,255	12,219	642
4235	Metal and mineral (except petroleum) merchant wholesalers	202,708	151,632	49,683	223
4236	Electrical and electronic goods merchant wholesalers	450,951	26,276	12,083	517
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	125,401	18,443	5,011	257
4238	Machinery, equipment, and supplies merchant wholesalers	433,454	64,434	14,655	323
4239	Miscellaneous durable goods merchant wholesalers	233,919	273,012	62,620	829
424	Merchant wholesalers, nondurable goods	3,514,207	2,811,368	494,718	321
4241	Paper and paper product merchant wholesalers	96,163	39,288	7,602	314
4242	Drugs and druggists' sundries merchant wholesalers	535,889	12,815	6,710	487
4243	Apparel, piece goods, and notions merchant wholesalers	121,916	9,535	8,015	997
4244	Grocery and related product merchant wholesalers	647,284	336,965	66,571	123
4245	Farm product raw material merchant wholesalers	239,194	642,820	260,458	265
4246	Chemical and allied products merchant wholesalers	153,656	104,935	22,535	223
4247	Petroleum and petroleum products merchant wholesalers	1,319,585	1,396,357	77,968	74
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	120,471	55,359	2,973	43
4249	Miscellaneous nondurable goods merchant wholesalers	280,049	213,293	41,886	445
4541	Electronic shopping and mail-order houses	318,266	11,966	9,392	1,173
45431	Fuel dealers	35,694	36,034	734	19
4931[3]	Warehousing and storage	1,207,896	294,522	60,458	748
5111	Newspaper, periodical, book, and directory publishers	49,500	11,660	2,130	S
551114	Corporate, subsidiary, and regional managing offices	342,317	108,111	34,782	769

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

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Table 10b.

Shipment Characteristics by NAICS[1] for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title	Value			Tons		
		2012 (million dollars)	2007 (million dollars)	Percent change	2012 (thousands)	2007 (thousands)	Percent change
	Total	**13,852,143**	**11,684,872**	**18.5**	**11,299,409**	**12,543,425**	**–9.9**
212	Mining (except oil and gas)	99,888	85,730	16.5	2,900,863	3,638,118	–20.3
31–33	Manufacturing	5,679,313	5,234,281	8.5	4,155,850	4,794,660	–13.3
311	Food manufacturing	744,573	585,676	27.1	545,892	568,950	–4.1
312	Beverage and tobacco product manufacturing	142,936	129,804	10.1	159,843	143,530	11.4
313	Textile mills	30,328	35,936	–15.6	7,101	8,989	–21.0
314	Textile product mills	21,595	28,448	–24.1	5,096	7,022	–27.4
315	Apparel manufacturing	12,462	24,381	–48.9	515	1,463	–64.8
316	Leather and allied product manufacturing	4,870	5,441	–10.5	688	636	8.1
321	Wood product manufacturing	76,802	100,923	–23.9	211,440	218,834	–3.4
322	Paper manufacturing	180,585	174,780	3.3	156,327	166,472	–6.1
323	Printing and related support activities	79,263	98,848	–19.8	21,535	33,661	–36.0
324	Petroleum and coal products manufacturing	835,321	608,090	37.4	1,222,084	1,415,099	–13.6
325	Chemical manufacturing	785,839	713,674	10.1	609,778	594,262	2.6
326	Plastics and rubber products manufacturing	216,973	209,268	3.7	59,798	66,753	–10.4
327	Nonmetallic mineral product manufacturing	98,603	124,713	–20.9	707,054	1,060,926	–33.4
331	Primary metal manufacturing	265,380	251,412	5.6	189,419	201,339	–5.9
332	Fabricated metal product manufacturing	333,287	338,290	–1.5	96,723	118,350	–18.3
333	Machinery manufacturing	402,610	343,262	17.3	36,938	40,523	–8.8
334	Computer and electronic product manufacturing	331,636	389,399	–14.8	4,576	5,416	–15.5
335	Electrical equipment, appliance, and component manufacturing	120,145	128,868	–6.8	16,619	18,771	–11.5
336	Transportation equipment manufacturing	782,011	715,294	9.3	80,977	94,023	–13.9
337	Furniture and related product manufacturing	66,809	83,494	–20.0	14,850	18,700	–20.6
339	Miscellaneous manufacturing	147,284	144,279	2.1	8,599	10,941	–21.4
42	Wholesale trade	6,119,269	4,740,065	29.1	3,780,403	3,605,531	4.9
423	Merchant wholesalers, durable goods	2,605,062	2,352,345	10.7	969,034	1,361,146	–28.8
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	540,855	503,333	7.5	66,571	81,203	–18.0
4232	Furniture and home furnishing merchant wholesalers	66,139	74,305	–11.0	16,524	23,358	–29.3
4233	Lumber and other construction materials merchant wholesalers	114,200	153,528	–25.6	329,887	498,825	–33.9
4234	Professional and commercial equipment and supplies merchant wholesalers	437,435	397,976	9.9	22,255	21,817	2.0
4235	Metal and mineral (except petroleum) merchant wholesalers	202,708	191,673	5.8	151,632	182,041	–16.7
4236	Electrical and electronic goods merchant wholesalers	450,951	338,597	33.2	26,276	24,469	7.4
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	125,401	119,464	5.0	18,443	28,474	–35.2
4238	Machinery, equipment, and supplies merchant wholesalers	433,454	363,108	19.4	64,434	74,069	–13.0
4239	Miscellaneous durable goods merchant wholesalers	233,919	210,361	11.2	273,012	426,888	–36.0
424	Merchant wholesalers, nondurable goods	3,514,207	2,387,720	47.2	2,811,368	2,244,386	25.3
4241	Paper and paper product merchant wholesalers	96,163	100,860	–4.7	39,288	50,888	–22.8
4242	Drugs and druggists' sundries merchant wholesalers	535,889	409,264	30.9	12,815	23,407	–45.2
4243	Apparel, piece goods, and notions merchant wholesalers	121,916	119,239	2.2	9,535	9,468	0.7
4244	Grocery and related product merchant wholesalers	647,284	567,732	14.0	336,965	321,626	4.8
4245	Farm product raw material merchant wholesalers	239,194	143,358	66.9	642,820	623,826	3.0
4246	Chemical and allied products merchant wholesalers	153,656	119,923	28.1	104,935	119,971	–12.5
4247	Petroleum and petroleum products merchant wholesalers	1,319,585	610,759	116.1	1,396,357	846,636	64.9
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	120,471	100,154	20.3	55,359	55,667	–0.6
4249	Miscellaneous nondurable goods merchant wholesalers	280,049	216,429	29.4	213,293	192,897	10.6
4541	Electronic shopping and mail-order houses	318,266	216,817	46.8	11,966	7,305	63.8
45431	Fuel dealers	35,694	38,220	–6.6	36,034	48,438	–25.6
4931[3]	Warehousing and storage	1,207,896	903,398	33.7	294,522	187,219	57.3
5111	Newspaper, periodical, book, and directory publishers	49,500	38,082	30.0	11,660	11,892	–2.0
551114	Corporate, subsidiary, and regional managing offices	342,317	428,280	–20.1	108,111	250,262	–56.8

See notes at end of table.

Table 10b.

Shipment Characteristics by NAICS for the United States: 2012 and 2007—Con.

[Estimates are based on data from the 2012 and 2007 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Ton-miles[2]			Average miles per shipment			NAICS title	NAICS code
2012 (millions)	2007 (millions)	Percent change	2012	2007	Percent change		
2,969,506	**3,344,658**	**–11.2**	**630**	**619**	**1.7**	**Total**	
859,267	1,057,505	–18.7	47	53	–11.1	Mining (except oil and gas)	212
1,279,523	1,383,058	–7.5	713	721	–1.2	Manufacturing	31–33
261,169	264,425	–1.2	239	305	–21.6	Food manufacturing	311
49,408	42,063	17.5	292	227	28.3	Beverage and tobacco product manufacturing	312
3,731	4,133	–9.7	765	811	–5.6	Textile mills	313
2,313	3,131	–26.1	918	854	7.6	Textile product mills	314
402	1,400	–71.3	1,169	1,224	–4.5	Apparel manufacturing	315
707	789	–10.3	1,105	1,118	–1.1	Leather and allied product manufacturing	316
59,705	78,742	–24.2	341	343	–0.5	Wood product manufacturing	321
83,270	89,418	–6.9	532	494	7.7	Paper manufacturing	322
10,296	15,936	–35.4	769	791	–2.7	Printing and related support activities	323
165,106	207,148	–20.3	216	222	–2.8	Petroleum and coal products manufacturing	324
313,078	279,917	11.8	887	847	4.6	Chemical manufacturing	325
33,421	37,394	–10.6	764	679	12.5	Plastics and rubber products manufacturing	326
73,594	98,086	–25.0	180	170	5.9	Nonmetallic mineral product manufacturing	327
87,875	98,318	–10.6	602	545	10.5	Primary metal manufacturing	331
38,545	44,620	–13.6	562	596	–5.7	Fabricated metal product manufacturing	332
26,510	31,565	–16.0	889	917	–3.1	Machinery manufacturing	333
3,791	4,442	–14.6	1,164	1,205	–3.4	Computer and electronic product manufacturing	334
12,347	15,436	–20.0	998	938	6.4	Electrical equipment, appliance, and component manufacturing	335
38,028	45,264	–16.0	806	801	0.5	Transportation equipment manufacturing	336
9,652	11,480	–15.9	792	715	10.9	Furniture and related product manufacturing	337
6,571	9,350	–29.7	1,003	1,017	–1.4	Miscellaneous manufacturing	339
723,220	767,100	–5.7	413	430	–4.0	Wholesale trade	42
228,502	264,780	–13.7	455	501	–9.2	Merchant wholesalers, durable goods	423
31,340	29,489	6.3	381	532	–28.4	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231
9,024	12,730	–29.1	672	663	1.3	Furniture and home furnishing merchant wholesalers	4232
31,865	43,488	–26.7	87	141	–38.4	Lumber and other construction materials merchant wholesalers	4233
12,219	9,088	34.5	642	716	–10.2	Professional and commercial equipment and supplies merchant wholesalers	4234
49,683	43,016	15.5	223	192	16.1	Metal and mineral (except petroleum) merchant wholesalers	4235
12,083	11,663	3.6	517	474	9.1	Electrical and electronic goods merchant wholesalers	4236
5,011	5,563	–9.9	257	213	20.5	Hardware, plumbing and heating equipment and supplies merchant wholesalers	4237
14,655	16,716	–12.3	323	322	0.2	Machinery, equipment, and supplies merchant wholesalers	4238
62,620	93,027	–32.7	829	911	–9.0	Miscellaneous durable goods merchant wholesalers	4239
494,718	502,320	–1.5	321	311	3.3	Merchant wholesalers, nondurable goods	424
7,602	15,513	–51.0	314	282	11.3	Paper and paper product merchant wholesalers	4241
6,710	9,611	–30.2	487	478	1.9	Drugs and druggists' sundries merchant wholesalers	4242
8,015	8,484	–5.5	997	933	6.9	Apparel, piece goods, and notions merchant wholesalers	4243
66,571	81,594	–18.4	123	109	13.4	Grocery and related product merchant wholesalers	4244
260,458	240,207	8.4	265	145	82.8	Farm product raw material merchant wholesalers	4245
22,535	31,344	–28.1	223	237	–6.2	Chemical and allied products merchant wholesalers	4246
77,968	52,112	49.6	74	70	6.2	Petroleum and petroleum products merchant wholesalers	4247
2,973	3,194	–6.9	43	40	6.4	Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248
41,886	60,260	–30.5	445	481	–7.6	Miscellaneous nondurable goods merchant wholesalers	4249
9,392	6,398	46.8	1,173	1,169	0.4	Electronic shopping and mail-order houses	4541
734	1,784	–58.8	19	22	–16.8	Fuel dealers	45431
60,458	46,335	30.5	748	833	–10.2	Warehousing and storage	4931[3]
2,130	2,279	–6.6	S	250	S	Newspaper, periodical, book, and directory publishers	5111
34,782	80,199	–56.6	769	784	–1.9	Corporate, subsidiary, and regional managing offices	551114

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
212	**Mining (except oil and gas)**				
	All modes	**99,888**	**2,900,863**	**859,267**	**47**
	Single modes	**93,038**	**2,752,022**	**804,142**	**44**
	Truck[3]	44,585	1,739,220	71,360	37
	For-hire truck	29,824	800,855	45,565	54
	Private truck	14,760	938,365	25,795	24
	Rail	37,623	886,480	678,841	493
	Water	5,076	123,812	53,756	581
	Inland water	S	81,986	S	565
	Great Lakes	309	30,320	10,607	350
	Deep sea	S	S	S	2,146
	Multiple waterways	704	11,430	9,406	937
	Air (includes truck and air)	5,575	Z	1	2,732
	Pipeline[4]	179	2,510	S	S
	Multiple modes	**5,824**	**111,998**	**54,869**	**434**
	Parcel, U.S. Postal Service, or courier	S	Z	Z	830
	Truck and rail	1,708	33,890	14,135	387
	Truck and water	1,013	30,309	15,045	S
	Rail and water	2,758	45,384	24,022	S
	Other multiple modes	328	2,414	1,666	690
	Other modes	**1,026**	**36,844**	**256**	**S**
31–33	**Manufacturing**				
	All modes	**5,679,313**	**4,155,850**	**1,279,523**	**713**
	Single modes	**5,105,289**	**4,018,339**	**1,141,247**	**443**
	Truck[3]	3,799,293	2,807,070	693,243	399
	For-hire truck	3,066,514	1,705,337	628,524	658
	Private truck	732,779	1,101,733	64,719	52
	Rail	323,122	412,027	328,583	900
	Water	203,256	256,561	82,290	795
	Inland water	143,768	194,479	50,145	406
	Great Lakes	115	1,083	353	321
	Deep sea	45,675	44,267	19,803	1,084
	Multiple waterways	13,698	16,733	11,989	921
	Air (includes truck and air)	303,822	2,263	2,873	1,276
	Pipeline[4]	475,796	540,418	S	S
	Multiple modes	**574,023**	**137,511**	**138,277**	**1,002**
	Parcel, U.S. Postal Service, or courier	391,702	4,177	4,109	1,001
	Truck and rail	166,719	117,283	110,606	1,209
	Truck and water	12,073	10,512	S	1,852
	Rail and water	3,195	5,505	2,435	3,040
	Other multiple modes	S	34	166	4,920
	Other modes	**0**	**0**	**0**	**0**
311	**Food manufacturing**				
	All modes	**744,573**	**545,892**	**261,169**	**239**
	Single modes	**724,418**	**523,644**	**236,437**	**187**
	Truck[3]	683,867	454,085	170,650	177
	For-hire truck	516,340	298,684	156,565	451
	Private truck	167,527	155,401	14,085	47
	Rail	37,779	67,021	64,315	1,074
	Water	2,239	2,469	1,356	624
	Inland water	1,030	2,164	S	579
	Great Lakes	0	0	0	0
	Deep sea	1,197	295	421	S
	Multiple waterways	S	10	S	727
	Air (includes truck and air)	533	69	116	1,853
	Pipeline[4]	0	0	0	0
	Multiple modes	**20,155**	**22,248**	**24,732**	**961**
	Parcel, U.S. Postal Service, or courier	1,411	86	74	942
	Truck and rail	16,496	19,243	22,594	1,446
	Truck and water	2,192	S	1,595	S
	Rail and water	S	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
312	**Beverage and tobacco product manufacturing**				
	All modes	**142,936**	**159,843**	**49,408**	**292**
	Single modes	**137,212**	**157,296**	**45,063**	**155**
	Truck[3]	135,229	154,647	41,681	151
	For-hire truck	106,312	98,727	36,992	426
	Private truck	28,917	55,921	4,690	37
	Rail	1,929	2,604	3,330	1,447
	Water	44	43	51	1,363
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	44	43	51	1,363
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	10	1	1	1,979
	Pipeline[4]	0	0	0	0
	Multiple modes	**5,724**	**2,548**	**4,345**	**1,251**
	Parcel, U.S. Postal Service, or courier	630	40	48	1,236
	Truck and rail	4,640	2,180	3,799	1,706
	Truck and water	442	326	488	1,549
	Rail and water	S	S	S	S
	Other multiple modes	S	S	S	S
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
313	**Textile mills**				
	All modes	**30,328**	**7,101**	**3,731**	**765**
	Single modes	**28,924**	**6,965**	**3,573**	**591**
	Truck[3]	28,470	6,865	3,482	560
	For-hire truck	22,359	4,741	3,325	711
	Private truck	6,110	2,124	157	49
	Rail	128	87	74	1,215
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	327	13	17	1,479
	Pipeline[4]	0	0	0	0
	Multiple modes	**1,403**	**136**	**158**	**961**
	Parcel, U.S. Postal Service, or courier	988	27	24	958
	Truck and rail	307	94	117	1,409
	Truck and water	S	15	17	1,023
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
314	**Textile product mills**				
	All modes	**21,595**	**5,096**	**2,313**	**918**
	Single modes	**18,847**	**4,946**	**2,109**	**717**
	Truck[3]	18,585	4,935	2,093	695
	For-hire truck	11,420	2,224	1,915	942
	Private truck	7,165	2,711	177	51
	Rail	6	3	S	S
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	257	9	S	1,430
	Pipeline[4]	0	0	0	0
	Multiple modes	**2,748**	**150**	**205**	**1,044**
	Parcel, U.S. Postal Service, or courier	2,578	93	87	1,042
	Truck and rail	156	S	S	1,394
	Truck and water	14	2	4	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
315	**Apparel manufacturing**				
	All modes	**12,462**	**515**	**402**	**1,169**
	Single modes	**8,671**	**454**	**329**	**1,049**
	Truck[3]	8,442	452	326	993
	For-hire truck	6,875	287	313	1,193
	Private truck	1,567	164	13	66
	Rail	S	S	S	S
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	227	S	3	1,691
	Pipeline[4]	0	0	0	0
	Multiple modes	3,792	60	73	1,187
	Parcel, U.S. Postal Service, or courier	3,792	60	73	1,187
	Truck and rail	0	0	0	0
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
316	**Leather and allied product manufacturing**				
	All modes	**4,870**	**688**	**707**	**1,105**
	Single modes	**3,244**	**515**	**480**	**854**
	Truck[3]	3,047	463	393	834
	For-hire truck	2,227	323	370	931
	Private truck	819	139	23	76
	Rail	S	S	S	1,740
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	76	2	1	1,203
	Pipeline[4]	0	0	0	0
	Multiple modes	**1,626**	**172**	**227**	**1,134**
	Parcel, U.S. Postal Service, or courier	1,221	29	31	1,127
	Truck and rail	392	143	192	1,349
	Truck and water	S	S	S	5,363
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
321	**Wood product manufacturing**				
	All modes	**76,802**	**211,440**	**59,705**	**341**
	Single modes	**74,056**	**203,085**	**50,495**	**251**
	Truck[3]	69,344	190,616	37,086	243
	For-hire truck	45,832	119,599	30,524	426
	Private truck	23,512	71,017	6,563	70
	Rail	4,655	12,438	13,346	1,105
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	1,879
	Pipeline[4]	0	0	0	0
	Multiple modes	**2,746**	**8,355**	**9,211**	**1,023**
	Parcel, U.S. Postal Service, or courier	384	24	22	1,001
	Truck and rail	2,283	8,264	9,084	1,281
	Truck and water	S	S	104	3,414
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
322	**Paper manufacturing**				
	All modes	**180,585**	**156,327**	**83,270**	**532**
	Single modes	**172,607**	**148,723**	**73,649**	**367**
	Truck[3]	155,751	123,944	51,208	347
	For-hire truck	133,612	105,952	49,261	455
	Private truck	22,139	17,992	1,947	65
	Rail	16,363	24,660	22,382	1,058
	Water	S	S	36	1,363
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	36	1,363
	Multiple waterways	**0**	**0**	**0**	**0**
	Air (includes truck and air)	410	22	23	1,152
	Pipeline[4]	0	0	0	0
	Multiple modes	7,978	7,604	9,621	994
	Parcel, U.S. Postal Service, or courier	1,598	75	69	977
	Truck and rail	6,275	7,432	9,373	1,506
	Truck and water	102	95	170	2,115
	Rail and water	0	0	0	0
	Other multiple modes	S	S	S	S
	Other modes	**0**	**0**	**0**	**0**
323	**Printing and related support activities**				
	All modes	**79,263**	**21,535**	**10,296**	**769**
	Single modes	**62,120**	**20,676**	**9,520**	**495**
	Truck[3]	59,089	20,530	9,385	479
	For-hire truck	42,871	17,124	9,094	653
	Private truck	16,218	3,406	291	32
	Rail	79	47	46	955
	Water	3	Z	Z	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	3	Z	Z	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	2,949	99	89	868
	Pipeline[4]	0	0	0	0
	Multiple modes	**17,143**	**859**	**776**	**860**
	Parcel, U.S. Postal Service, or courier	16,794	747	615	859
	Truck and rail	274	63	77	792
	Truck and water	75	49	84	2,426
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
324	**Petroleum and coal products manufacturing**				
	All modes	**835,321**	**1,222,084**	**165,106**	**216**
	Single modes	**828,770**	**1,212,114**	**148,597**	**161**
	Truck[3]	192,552	456,841	36,778	151
	For-hire truck	138,598	280,618	30,441	198
	Private truck	53,954	176,223	6,338	64
	Rail	33,961	58,413	33,159	776
	Water	152,005	187,096	46,034	527
	Inland water	110,598	136,788	21,915	240
	Great Lakes	0	0	0	0
	Deep sea	31,691	39,864	15,896	1,432
	Multiple waterways	9,717	10,444	8,223	663
	Air (includes truck and air)	46	2	3	1,458
	Pipeline[4]	450,206	509,763	S	S
	Multiple modes	**S**	**S**	**S**	**1,018**
	Parcel, U.S. Postal Service, or courier	293	27	26	1,024
	Truck and rail	S	S	1,757	653
	Truck and water	S	S	S	2,383
	Rail and water	1,904	4,127	1,421	548
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
325	**Chemical manufacturing**				
	All modes	**785,839**	**609,778**	**313,078**	**887**
	Single modes	**712,117**	**566,455**	**277,772**	**663**
	Truck[3]	469,277	312,547	98,986	589
	For-hire truck	404,901	217,415	89,422	752
	Private truck	64,375	95,132	9,564	78
	Rail	145,501	172,892	150,779	901
	Water	32,828	49,854	25,463	367
	Inland water	28,670	44,875	21,530	350
	Great Lakes	0	0	0	0
	Deep sea	1,371	2,196	2,660	S
	Multiple waterways	2,787	2,783	1,273	S
	Air (includes truck and air)	38,998	567	S	1,234
	Pipeline[4]	25,513	30,595	S	S
	Multiple modes	**73,722**	**43,322**	**35,307**	**1,127**
	Parcel, U.S. Postal Service, or courier	37,857	436	443	1,127
	Truck and rail	33,503	40,005	32,606	1,040
	Truck and water	1,349	1,747	1,820	2,132
	Rail and water	1,012	1,133	430	1,706
	Other multiple modes	S	S	S	S
	Other modes	**0**	**0**	**0**	**0**
326	**Plastics and rubber products manufacturing**				
	All modes	**216,973**	**59,798**	**33,421**	**764**
	Single modes	**205,844**	**57,293**	**31,618**	**577**
	Truck[3]	202,828	56,931	30,992	566
	For-hire truck	170,733	47,157	29,758	704
	Private truck	32,094	9,774	1,234	121
	Rail	885	281	524	1,525
	Water	S	S	S	1,998
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	1,990
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	2,123	79	98	1,236
	Pipeline[4]	0	0	0	0
	Multiple modes	**11,129**	**S**	**1,803**	**1,047**
	Parcel, U.S. Postal Service, or courier	8,192	224	234	1,044
	Truck and rail	2,706	S	1,464	1,511
	Truck and water	228	49	105	2,508
	Rail and water	S	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
327	**Nonmetallic mineral product manufacturing**				
	All modes	**98,603**	**707,054**	**73,594**	**180**
	Single modes	**93,166**	**693,240**	**65,625**	**114**
	Truck[3]	87,598	655,051	50,342	108
	For-hire truck	54,686	205,725	37,801	300
	Private truck	32,912	449,326	12,541	32
	Rail	2,978	27,848	11,714	372
	Water	657	10,284	3,499	893
	Inland water	313	6,874	1,941	284
	Great Lakes	115	1,083	353	321
	Deep sea	41	154	174	1,139
	Multiple waterways	188	2,173	1,031	1,735
	Air (includes truck and air)	1,933	57	70	1,240
	Pipeline[4]	0	0	0	0
	Multiple modes	**5,438**	**13,814**	**7,969**	**937**
	Parcel, U.S. Postal Service, or courier	3,116	39	37	942
	Truck and rail	2,102	12,299	6,224	637
	Truck and water	220	1,476	1,708	2,404
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
331	**Primary metal manufacturing**				
	All modes	**265,380**	**189,419**	**87,875**	**602**
	Single modes	**244,903**	**174,977**	**73,858**	**500**
	Truck[3]	204,715	131,854	45,388	486
	For-hire truck	184,017	115,611	43,421	569
	Private truck	20,698	16,243	1,967	80
	Rail	34,145	37,534	22,801	632
	Water	2,280	5,535	5,620	1,535
	Inland water	1,516	3,173	S	824
	Great Lakes	0	0	0	0
	Deep sea	S	S	509	2,785
	Multiple waterways	349	1,131	1,373	1,353
	Air (includes truck and air)	3,763	54	49	1,090
	Pipeline[4]	0	0	0	0
	Multiple modes	**20,477**	**14,442**	**14,016**	**994**
	Parcel, U.S. Postal Service, or courier	5,429	30	26	990
	Truck and rail	13,610	13,156	13,288	1,077
	Truck and water	S	S	687	S
	Rail and water	S	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
332	**Fabricated metal product manufacturing**				
	All modes	**333,287**	**96,723**	**38,545**	**562**
	Single modes	**294,370**	**95,572**	**37,016**	**361**
	Truck[3]	285,120	92,792	35,783	344
	For-hire truck	218,263	70,690	33,551	649
	Private truck	66,857	22,102	2,232	44
	Rail	3,044	2,619	1,039	563
	Water	S	2	5	1,494
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	1,496
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	6,187	159	188	1,149
	Pipeline[4]	0	0	0	0
	Multiple modes	**38,917**	**1,151**	**1,529**	**896**
	Parcel, U.S. Postal Service, or courier	36,736	433	377	895
	Truck and rail	1,794	649	958	1,638
	Truck and water	388	69	194	2,637
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
333	**Machinery manufacturing**				
	All modes	**402,610**	**36,938**	**26,510**	**889**
	Single modes	**343,448**	**35,306**	**24,359**	**761**
	Truck[3]	319,959	34,219	23,190	717
	For-hire truck	284,307	30,097	22,582	874
	Private truck	35,652	4,122	608	72
	Rail	6,523	785	849	1,187
	Water	S	Z	S	2,427
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	Z	S	2,427
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	16,963	302	320	1,213
	Pipeline[4]	0	0	0	0
	Multiple modes	**59,162**	**1,632**	**2,152**	**956**
	Parcel, U.S. Postal Service, or courier	46,716	521	493	955
	Truck and rail	9,689	942	1,397	1,312
	Truck and water	2,757	169	262	2,910
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
334	**Computer and electronic product manufacturing**				
	All modes	**331,636**	**4,576**	**3,791**	**1,164**
	Single modes	**216,232**	**4,142**	**3,266**	**1,092**
	Truck[3]	119,898	3,616	2,731	918
	For-hire truck	106,133	2,631	2,634	1,067
	Private truck	13,765	985	97	42
	Rail	S	S	S	1,030
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	95,874	446	515	1,302
	Pipeline[4]	77	60	S	S
	Multiple modes	**115,404**	**435**	**526**	**1,188**
	Parcel, U.S. Postal Service, or courier	114,431	337	388	1,188
	Truck and rail	701	90	123	1,397
	Truck and water	S	S	S	1,316
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
335	**Electrical equipment, appliance, and component manufacturing**				
	All modes	**120,145**	**16,619**	**12,347**	**998**
	Single modes	**102,184**	**16,155**	**11,645**	**861**
	Truck[3]	96,197	15,936	11,362	838
	For-hire truck	89,962	14,734	11,165	920
	Private truck	6,235	1,201	197	114
	Rail	466	143	201	1,572
	Water	S	S	3	1,976
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	5,252	75	79	1,225
	Pipeline[4]	0	0	0	0
	Multiple modes	**17,961**	**464**	**702**	**1,099**
	Parcel, U.S. Postal Service, or courier	16,434	153	161	1,098
	Truck and rail	1,224	285	484	1,203
	Truck and water	302	26	58	1,803
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
336	**Transportation equipment manufacturing**				
	All modes	**782,011**	**80,977**	**38,028**	**806**
	Single modes	**680,202**	**74,314**	**30,848**	**588**
	Truck[3]	516,243	68,505	26,638	545
	For-hire truck	411,540	55,614	25,233	697
	Private truck	104,703	12,891	1,405	87
	Rail	34,017	4,465	3,817	1,184
	Water	12,758	1,134	S	320
	Inland water	1,361	585	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	645	192	S	1,006
	Air (includes truck and air)	117,184	210	240	1,261
	Pipeline[4]	0	0	0	0
	Multiple modes	**101,809**	**6,663**	**7,181**	**1,105**
	Parcel, U.S. Postal Service, or courier	33,669	179	195	1,097
	Truck and rail	67,049	6,375	6,538	1,192
	Truck and water	564	60	207	3,311
	Rail and water	210	20	100	5,342
	Other multiple modes	317	28	141	4,982
	Other modes	**0**	**0**	**0**	**0**
337	**Furniture and related product manufacturing**				
	All modes	**66,809**	**14,850**	**9,652**	**792**
	Single modes	**64,326**	**14,410**	**9,104**	**717**
	Truck[3]	63,956	14,291	8,991	700
	For-hire truck	45,105	10,710	8,524	950
	Private truck	18,851	3,581	467	125
	Rail	154	S	88	1,369
	Water	5	1	2	2,573
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	5	1	2	2,573
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	210	12	22	1,807
	Pipeline[4]	0	0	0	0
	Multiple modes	**2,483**	**440**	**548**	**983**
	Parcel, U.S. Postal Service, or courier	2,188	134	136	980
	Truck and rail	194	S	S	1,610
	Truck and water	101	19	57	2,595
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
339	**Miscellaneous manufacturing**				
	All modes	**147,284**	**8,599**	**6,571**	**1,003**
	Single modes	**89,629**	**8,056**	**5,883**	**792**
	Truck[3]	79,129	7,949	5,756	664
	For-hire truck	70,421	6,674	5,633	967
	Private truck	8,708	1,275	123	32
	Rail	23	S	S	1,761
	Water	S	S	S	912
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	10,467	78	99	1,453
	Pipeline[4]	0	0	0	0
	Multiple modes	**57,655**	**542**	**689**	**1,067**
	Parcel, U.S. Postal Service, or courier	57,247	484	550	1,067
	Truck and rail	254	34	61	1,060
	Truck and water	154	24	77	3,353
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
42	**Wholesale trade**				
	All modes	**6,119,269**	**3,780,403**	**723,220**	**413**
	Single modes	**5,143,500**	**3,684,594**	**657,887**	**201**
	Truck[3]	4,787,962	3,093,449	400,758	176
	For-hire truck	2,561,162	1,601,328	312,657	432
	Private truck	2,226,801	1,492,122	88,101	63
	Rail	98,832	324,599	197,595	668
	Water	87,467	182,004	54,614	893
	Inland water	S	142,689	33,430	S
	Great Lakes	0	0	0	0
	Deep sea	10,552	20,446	1,610	1,111
	Multiple waterways	7,856	18,869	19,574	1,073
	Air (includes truck and air)	110,650	2,054	2,395	1,163
	Pipeline[4]	S	S	S	S
	Multiple modes	**975,769**	**95,808**	**65,333**	**698**
	Parcel, U.S. Postal Service, or courier	918,284	15,977	10,488	698
	Truck and rail	43,188	59,935	41,118	657
	Truck and water	12,274	15,215	11,013	1,336
	Rail and water	2,023	4,681	2,713	694
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
423	**Merchant wholesalers, durable goods**				
	All modes	**2,605,062**	**969,034**	**228,502**	**455**
	Single modes	**1,969,081**	**929,426**	**203,462**	**245**
	Truck[3]	1,847,819	874,750	175,957	212
	For-hire truck	1,110,773	475,404	150,236	450
	Private truck	737,047	399,346	25,721	73
	Rail	18,467	38,187	20,209	751
	Water	5,032	15,354	6,167	888
	Inland water	2,178	8,860	4,250	483
	Great Lakes	0	0	0	0
	Deep sea	596	S	605	934
	Multiple waterways	S	S	S	950
	Air (includes truck and air)	97,763	1,135	1,128	1,133
	Pipeline[4]	0	0	0	0
	Multiple modes	**635,981**	**39,608**	**25,040**	**680**
	Parcel, U.S. Postal Service, or courier	612,250	11,963	7,923	680
	Truck and rail	21,023	25,519	15,769	1,020
	Truck and water	2,449	1,444	1,302	1,479
	Rail and water	S	S	46	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	All modes	**540,855**	**66,571**	**31,340**	**381**
	Single modes	**455,455**	**63,210**	**28,361**	**258**
	Truck[3]	442,133	62,290	27,010	221
	For-hire truck	290,629	38,445	24,967	495
	Private truck	151,504	23,846	2,043	104
	Rail	3,553	596	1,049	2,139
	Water	119	S	S	1,087
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	119	S	S	1,087
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	9,650	306	259	1,055
	Pipeline[4]	0	0	0	0
	Multiple modes	**85,400**	**3,362**	**2,979**	**665**
	Parcel, U.S. Postal Service, or courier	78,189	2,373	1,461	664
	Truck and rail	7,054	910	1,453	1,602
	Truck and water	157	78	66	968
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4232	**Furniture and home furnishing merchant wholesalers**				
	All modes	**66,139**	**16,524**	**9,024**	**672**
	Single modes	**59,450**	**15,843**	**8,318**	**401**
	Truck[3]	58,357	15,651	7,814	396
	For-hire truck	33,592	8,945	7,319	854
	Private truck	24,764	6,706	496	51
	Rail	S	S	S	2,661
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	8	10	1,515
	Pipeline[4]	0	0	0	0
	Multiple modes	**6,689**	**681**	**706**	**957**
	Parcel, U.S. Postal Service, or courier	6,260	500	519	956
	Truck and rail	156	57	119	1,228
	Truck and water	S	S	S	1,285
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4233	**Lumber and other construction materials merchant wholesalers**				
	All modes	**114,200**	**329,887**	**31,865**	**87**
	Single modes	**111,637**	**325,771**	**28,236**	**63**
	Truck[3]	110,712	319,680	24,289	62
	For-hire truck	29,934	150,133	16,775	118
	Private truck	80,778	169,547	7,515	44
	Rail	833	3,403	S	881
	Water	42	S	S	323
	Inland water	11	2,665	S	353
	Great Lakes	0	0	0	0
	Deep sea	31	20	5	321
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	2	2	1,175
	Pipeline[4]	0	0	0	0
	Multiple modes	2,563	4,116	3,629	503
	Parcel, U.S. Postal Service, or courier	1,291	57	28	495
	Truck and rail	1,204	3,945	3,535	984
	Truck and water	68	S	66	1,595
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	All modes	**437,435**	**22,255**	**12,219**	**642**
	Single modes	**256,830**	**18,215**	**9,163**	**443**
	Truck[3]	226,407	17,952	8,874	394
	For-hire truck	153,374	10,586	8,276	811
	Private truck	73,033	7,366	597	76
	Rail	S	S	1	2,354
	Water	S	3	3	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	3	3	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	30,297	260	285	1,250
	Pipeline[4]	0	0	0	0
	Multiple modes	**180,606**	**4,040**	**3,056**	**705**
	Parcel, U.S. Postal Service, or courier	179,366	3,564	2,353	705
	Truck and rail	1,151	470	693	1,140
	Truck and water	89	7	S	1,443
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	All modes	**202,708**	**151,632**	**49,683**	**223**
	Single modes	**196,533**	**149,251**	**48,389**	**168**
	Truck[3]	193,504	141,846	43,601	166
	For-hire truck	112,725	87,309	38,374	333
	Private truck	80,779	54,537	5,227	62
	Rail	1,845	6,024	4,021	540
	Water	221	1,359	S	1,376
	Inland water	170	1,348	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	11	23	1,966
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	23	19	1,078
	Pipeline[4]	0	0	0	0
	Multiple modes	**6,175**	**2,381**	**1,295**	**653**
	Parcel, U.S. Postal Service, or courier	3,890	129	82	652
	Truck and rail	1,587	2,109	906	735
	Truck and water	S	143	307	1,244
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4236	**Electrical and electronic goods merchant wholesalers**				
	All modes	**450,951**	**26,276**	**12,083**	**517**
	Single modes	**314,146**	**24,449**	**10,552**	**241**
	Truck[3]	280,657	24,205	10,223	200
	For-hire truck	192,366	14,253	9,604	327
	Private truck	88,291	9,952	619	33
	Rail	S	S	S	2,629
	Water	S	3	S	S
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	2	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	33,352	226	285	1,273
	Pipeline[4]	0	0	0	0
	Multiple modes	**136,805**	**1,827**	**1,531**	**783**
	Parcel, U.S. Postal Service, or courier	134,596	1,726	1,328	783
	Truck and rail	2,016	78	159	700
	Truck and water	193	22	44	2,932
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	All modes	**125,401**	**18,443**	**5,011**	**257**
	Single modes	**109,792**	**17,848**	**4,536**	**121**
	Truck[3]	108,454	17,776	4,475	106
	For-hire truck	42,657	6,196	3,399	276
	Private truck	65,797	11,580	1,075	31
	Rail	S	39	S	S
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	1,161	31	34	1,266
	Pipeline[4]	0	0	0	0
	Multiple modes	**15,609**	**595**	**475**	**633**
	Parcel, U.S. Postal Service, or courier	15,212	483	321	632
	Truck and rail	353	106	139	1,151
	Truck and water	44	S	S	1,824
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	All modes	**433,454**	**64,434**	**14,655**	**323**
	Single modes	**301,186**	**61,849**	**13,302**	**154**
	Truck[3]	284,086	61,502	13,015	131
	For-hire truck	155,565	29,162	10,910	291
	Private truck	128,521	32,340	2,106	39
	Rail	273	102	S	S
	Water	106	S	S	732
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	98	S	S	746
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	16,721	196	158	985
	Pipeline[4]	0	0	0	0
	Multiple modes	**132,268**	**2,585**	**1,353**	**435**
	Parcel, U.S. Postal Service, or courier	130,909	2,364	1,113	434
	Truck and rail	1,205	198	193	507
	Truck and water	154	23	47	2,176
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	0	0	0	0
4239	**Miscellaneous durable goods merchant wholesalers**				
	All modes	**233,919**	**273,012**	**62,620**	**829**
	Single modes	**164,053**	**252,991**	**52,605**	**484**
	Truck[3]	143,510	213,848	36,655	450
	For-hire truck	99,931	130,376	30,612	746
	Private truck	43,579	83,472	6,042	86
	Rail	11,099	27,824	11,599	415
	Water	4,439	11,238	4,275	709
	Inland water	1,986	4,845	2,544	515
	Great Lakes	0	0	0	0
	Deep sea	S	S	418	871
	Multiple waterways	S	S	S	950
	Air (includes truck and air)	5,005	82	S	1,610
	Pipeline[4]	0	0	0	0
	Multiple modes	**69,866**	**20,020**	**10,015**	**965**
	Parcel, U.S. Postal Service, or courier	62,536	767	718	966
	Truck and rail	6,297	17,645	8,572	742
	Truck and water	774	927	678	985
	Rail and water	S	S	46	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
424	**Merchant wholesalers, nondurable goods**				
	All modes	**3,514,207**	**2,811,368**	**494,718**	**321**
	Single modes	**3,174,419**	**2,755,168**	**454,425**	**129**
	Truck[3]	2,940,143	2,218,700	224,801	118
	For-hire truck	1,450,389	1,125,923	162,420	380
	Private truck	1,489,754	1,092,776	62,381	52
	Rail	80,364	286,411	177,386	635
	Water	S	166,650	48,446	894
	Inland water	S	133,830	29,180	S
	Great Lakes	0	0	0	0
	Deep sea	9,956	19,908	S	1,172
	Multiple waterways	5,597	12,912	18,261	1,146
	Air (includes truck and air)	12,888	919	S	1,365
	Pipeline[4]	S	S	S	S
	Multiple modes	**339,788**	**56,200**	**40,293**	**757**
	Parcel, U.S. Postal Service, or courier	306,034	4,014	2,566	758
	Truck and rail	22,165	34,416	25,349	391
	Truck and water	9,825	13,770	9,711	1,278
	Rail and water	1,764	4,000	2,667	698
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4241	**Paper and paper product merchant wholesalers**				
	All modes	**96,163**	**39,288**	**7,602**	**314**
	Single modes	**83,116**	**38,526**	**7,162**	**108**
	Truck[3]	82,410	37,990	6,744	103
	For-hire truck	28,081	13,850	5,514	299
	Private truck	54,329	24,140	1,230	50
	Rail	481	513	393	877
	Water	32	S	12	1,487
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	32	S	12	1,487
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	11	14	1,422
	Pipeline[4]	0	0	0	0
	Multiple modes	**13,047**	**762**	**440**	**585**
	Parcel, U.S. Postal Service, or courier	12,887	641	330	585
	Truck and rail	S	113	S	1,135
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4242	**Drugs and druggists' sundries merchant wholesalers**				
	All modes	**535,889**	**12,815**	**6,710**	**487**
	Single modes	**308,980**	**11,265**	**5,909**	**219**
	Truck[3]	303,657	11,157	5,729	183
	For-hire truck	253,601	7,667	5,342	396
	Private truck	50,056	3,490	387	50
	Rail	S	S	S	S
	Water	4	S	S	268
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	4	S	S	268
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	5,280	S	S	1,160
	Pipeline[4]	0	0	0	0
	Multiple modes	**226,909**	**1,550**	**801**	**630**
	Parcel, U.S. Postal Service, or courier	225,102	1,450	664	630
	Truck and rail	1,669	S	S	S
	Truck and water	138	S	S	1,921
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	All modes	**121,916**	**9,535**	**8,015**	**997**
	Single modes	**85,953**	**8,576**	**7,047**	**986**
	Truck[3]	83,298	8,415	6,889	933
	For-hire truck	71,003	7,099	6,806	1,103
	Private truck	12,295	1,315	83	52
	Rail	72	S	S	1,746
	Water	S	S	S	S
	Inland water	S	S	Z	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	2,510	59	80	1,587
	Pipeline[4]	0	0	0	0
	Multiple modes	**35,963**	**960**	**968**	**999**
	Parcel, U.S. Postal Service, or courier	35,303	858	774	999
	Truck and rail	644	100	190	2,087
	Truck and water	16	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4244	**Grocery and related product merchant wholesalers**				
	All modes	**647,284**	**336,965**	**66,571**	**123**
	Single modes	**640,863**	**335,555**	**64,852**	**91**
	Truck[3]	637,548	333,317	61,916	84
	For-hire truck	160,765	81,929	43,958	385
	Private truck	476,784	251,388	17,958	56
	Rail	626	1,414	1,965	1,331
	Water	708	402	252	1,192
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	567	267	194	1,192
	Multiple waterways	S	S	S	433
	Air (includes truck and air)	1,981	S	S	1,886
	Pipeline[4]	0	0	0	0
	Multiple modes	**6,421**	**1,410**	**1,719**	**786**
	Parcel, U.S. Postal Service, or courier	3,397	155	68	781
	Truck and rail	1,254	618	734	S
	Truck and water	1,770	638	917	1,493
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4245	**Farm product raw material merchant wholesalers**				
	All modes	**239,194**	**642,820**	**260,458**	**265**
	Single modes	**218,074**	**604,343**	**230,444**	**143**
	Truck[3]	124,573	307,958	32,126	111
	For-hire truck	80,103	183,263	26,528	205
	Private truck	44,470	124,694	5,598	33
	Rail	60,608	208,594	151,515	705
	Water	32,127	87,620	46,673	889
	Inland water	20,701	59,859	28,426	815
	Great Lakes	0	0	0	0
	Deep sea	6,123	15,138	113	1,347
	Multiple waterways	5,303	12,622	18,134	1,194
	Air (includes truck and air)	S	136	130	1,130
	Pipeline[4]	S	S	S	S
	Multiple modes	**21,120**	**38,477**	**30,014**	**1,426**
	Parcel, U.S. Postal Service, or courier	S	22	S	1,471
	Truck and rail	13,088	25,030	S	976
	Truck and water	4,996	9,971	7,959	728
	Rail and water	1,073	3,454	2,221	673
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4246	**Chemical and allied products merchant wholesalers**				
	All modes	**153,656**	**104,935**	**22,535**	**223**
	Single modes	**145,499**	**102,930**	**21,515**	**108**
	Truck[3]	143,107	97,140	17,389	104
	For-hire truck	74,411	32,334	12,696	265
	Private truck	68,696	64,806	4,693	36
	Rail	1,671	5,504	S	782
	Water	S	S	S	1,617
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	13	S	S	1,694
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	666	19	19	1,366
	Pipeline[4]	20	252	S	S
	Multiple modes	**8,157**	**S**	**S**	**766**
	Parcel, U.S. Postal Service, or courier	7,160	265	198	766
	Truck and rail	900	S	S	551
	Truck and water	97	40	47	1,628
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4247	**Petroleum and petroleum products merchant wholesalers**				
	All modes	**1,319,585**	**1,396,357**	**77,968**	**74**
	Single modes	**1,315,221**	**1,392,126**	**76,624**	**67**
	Truck[3]	1,200,878	1,201,516	68,767	67
	For-hire truck	703,047	738,019	43,808	99
	Private truck	497,830	463,497	24,959	57
	Rail	6,978	S	5,931	851
	Water	S	S	S	160
	Inland water	S	S	S	8
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	896
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	1,420
	Pipeline[4]	S	S	S	S
	Multiple modes	**4,365**	**S**	**1,344**	**689**
	Parcel, U.S. Postal Service, or courier	S	S	S	674
	Truck and rail	522	608	246	366
	Truck and water	S	S	612	1,991
	Rail and water	691	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	All modes	**120,471**	**55,359**	**2,973**	**43**
	Single modes	**120,119**	**55,272**	**2,880**	**40**
	Truck[3]	119,824	55,141	2,820	40
	For-hire truck	15,326	4,691	1,446	131
	Private truck	104,498	50,450	1,375	33
	Rail	S	S	S	S
	Water	S	3	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	3	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	3	S
	Pipeline[4]	0	0	0	0
	Multiple modes	**352**	**S**	**S**	**954**
	Parcel, U.S. Postal Service, or courier	S	7	5	992
	Truck and rail	S	S	S	1,328
	Truck and water	59	13	17	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	All modes	**280,049**	**213,293**	**41,886**	**445**
	Single modes	**256,594**	**206,576**	**37,992**	**183**
	Truck[3]	244,848	166,068	22,421	168
	For-hire truck	64,052	57,072	16,323	549
	Private truck	180,796	108,996	6,097	65
	Rail	9,669	37,457	13,363	S
	Water	493	561	S	924
	Inland water	196	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	145	S	S	1,037
	Multiple waterways	S	154	69	447
	Air (includes truck and air)	1,263	105	133	1,191
	Pipeline[4]	S	S	S	S
	Multiple modes	**23,455**	**6,717**	**3,894**	**846**
	Parcel, U.S. Postal Service, or courier	19,389	570	458	852
	Truck and rail	3,802	6,099	3,351	S
	Truck and water	264	48	85	1,136
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4541	**Electronic shopping and mail-order houses**				
	All modes	**318,266**	**11,966**	**9,392**	**1,173**
	Single modes	**56,825**	**6,506**	**3,611**	**803**
	Truck[3]	50,426	6,403	3,503	754
	For-hire truck	37,903	4,554	3,387	1,031
	Private truck	12,523	1,850	116	66
	Rail	0	0	0	0
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	6,397	103	107	1,287
	Pipeline[4]	0	0	0	0
	Multiple modes	**261,441**	**5,460**	**5,782**	**1,207**
	Parcel, U.S. Postal Service, or courier	261,400	5,433	5,727	1,207
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	5,079
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
45431	**Fuel dealers**				
	All modes	**35,694**	**36,034**	**734**	**19**
	Single modes	**35,693**	**36,033**	**734**	**19**
	Truck[3]	35,652	35,962	733	19
	For-hire truck	1,127	1,266	S	19
	Private truck	34,525	34,696	669	19
	Rail	S	S	S	24
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	S
	Pipeline[4]	S	S	S	S
	Multiple modes	**1**	**2**	**S**	**20**
	Parcel, U.S. Postal Service, or courier	1	1	Z	17
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4931[5]	**Warehousing and storage**				
	All modes	**1,207,896**	**294,522**	**60,458**	**748**
	Single modes	**1,140,967**	**290,807**	**56,321**	**681**
	Truck[3]	1,112,587	278,875	52,443	502
	For-hire truck	612,796	129,226	37,207	617
	Private truck	499,791	149,649	15,235	108
	Rail	9,290	S	1,521	1,277
	Water	2,325	S	S	1,759
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	1,633	S	402	1,772
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	15,204	297	269	1,894
	Pipeline[4]	1,561	2,086	S	S
	Multiple modes	**66,929**	**3,715**	**4,137**	**773**
	Parcel, U.S. Postal Service, or courier	58,293	1,830	1,428	772
	Truck and rail	6,112	1,370	1,498	1,551
	Truck and water	2,524	515	1,211	2,561
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
5111	**Newspaper, periodical, book, and directory publishers**				
	All modes	**49,500**	**11,660**	**2,130**	**S**
	Single modes	**38,551**	**11,236**	**1,775**	**S**
	Truck[3]	37,791	11,175	1,719	S
	For-hire truck	22,173	4,066	1,582	S
	Private truck	15,619	7,109	137	12
	Rail	166	25	15	1,145
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	595	36	41	1,144
	Pipeline[4]	0	0	0	0
	Multiple modes	**10,948**	**424**	**355**	**407**
	Parcel, U.S. Postal Service, or courier	10,759	416	343	406
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	4,225
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 11.

Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
551114	**Corporate, subsidiary, and regional managing offices**				
	All modes	**342,317**	**108,111**	**34,782**	**769**
	Single modes	**286,500**	**105,982**	**31,701**	**293**
	Truck[3]	263,933	88,012	23,959	259
	For-hire truck	173,138	52,063	S	586
	Private truck	90,794	35,949	2,003	42
	Rail	4,016	3,361	S	1,440
	Water	3,429	6,063	549	1,757
	Inland water	2,133	3,554	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	1,713
	Multiple waterways	S	S	S	2,856
	Air (includes truck and air)	8,331	91	124	1,248
	Pipeline[4]	6,791	8,455	S	S
	Multiple modes	**55,817**	**2,129**	**3,081**	**994**
	Parcel, U.S. Postal Service, or courier	47,785	654	621	992
	Truck and rail	6,895	1,304	2,110	1,744
	Truck and water	S	S	S	1,993
	Rail and water	0	0	0	0
	Other multiple modes	S	S	S	S
	Other modes	**0**	**0**	**0**	**0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] NAICS codes shown are those covered in the Commodity Flow Survey.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[5] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 12.
Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
212	**Mining (except oil and gas)**			
	Total	**99,888**	**2,900,863**	**859,267**
	Less than 50 miles	28,612	1,673,577	33,708
	50 to 99 miles	9,262	266,492	26,559
	100 to 249 miles	18,248	239,790	69,849
	250 to 499 miles	17,748	243,036	131,203
	500 to 749 miles	10,263	156,537	151,129
	750 to 999 miles	5,252	175,314	213,207
	1,000 to 1,499 miles	6,109	130,330	199,828
	1,500 to 1,999 miles	1,888	15,185	32,094
	2,000 miles or more	2,506	603	1,690
31–33	**Manufacturing**			
	Total	**5,679,313**	**4,155,850**	**1,279,523**
	Less than 50 miles	1,596,495	2,009,446	35,361
	50 to 99 miles	418,676	413,601	37,064
	100 to 249 miles	781,195	603,021	125,274
	250 to 499 miles	886,570	442,445	208,515
	500 to 749 miles	642,196	273,642	222,754
	750 to 999 miles	469,421	181,029	206,279
	1,000 to 1,499 miles	435,343	144,441	226,041
	1,500 to 1,999 miles	259,805	61,444	143,085
	2,000 miles or more	189,612	26,781	75,151
311	**Food manufacturing**			
	Total	**744,573**	**545,892**	**261,169**
	Less than 50 miles	165,581	155,852	4,042
	50 to 99 miles	64,323	60,953	5,545
	100 to 249 miles	121,276	94,684	19,938
	250 to 499 miles	131,346	81,789	37,934
	500 to 749 miles	96,515	61,111	49,448
	750 to 999 miles	57,320	35,830	39,155
	1,000 to 1,499 miles	60,880	33,672	52,147
	1,500 to 1,999 miles	29,318	14,029	30,222
	2,000 miles or more	18,015	7,972	22,739
312	**Beverage and tobacco product manufacturing**			
	Total	**142,936**	**159,843**	**49,408**
	Less than 50 miles	58,270	52,078	995
	50 to 99 miles	12,043	20,795	1,900
	100 to 249 miles	22,035	39,437	7,947
	250 to 499 miles	20,902	28,163	11,796
	500 to 749 miles	10,802	8,164	6,208
	750 to 999 miles	5,354	3,935	4,279
	1,000 to 1,499 miles	3,962	2,567	4,021
	1,500 to 1,999 miles	3,922	1,997	4,446
	2,000 miles or more	5,646	2,709	7,817
313	**Textile mills**			
	Total	**30,328**	**7,101**	**3,731**
	Less than 50 miles	5,673	1,779	35
	50 to 99 miles	2,735	809	78
	100 to 249 miles	4,498	1,165	246
	250 to 499 miles	4,281	823	381
	500 to 749 miles	4,962	1,037	821
	750 to 999 miles	3,192	663	682
	1,000 to 1,499 miles	2,455	432	606
	1,500 to 1,999 miles	997	235	469
	2,000 miles or more	1,536	158	414
314	**Textile product mills**			
	Total	**21,595**	**5,096**	**2,313**
	Less than 50 miles	7,403	2,337	35
	50 to 99 miles	1,057	218	19
	100 to 249 miles	1,803	301	63
	250 to 499 miles	2,989	792	346
	500 to 749 miles	2,663	558	436
	750 to 999 miles	2,044	390	414
	1,000 to 1,499 miles	1,503	214	320
	1,500 to 1,999 miles	1,135	153	332
	2,000 miles or more	998	132	348
315	**Apparel manufacturing**			
	Total	**12,462**	**515**	**402**
	Less than 50 miles	2,011	154	2
	50 to 99 miles	391	15	1
	100 to 249 miles	1,545	94	25
	250 to 499 miles	1,431	45	20
	500 to 749 miles	1,288	52	42
	750 to 999 miles	676	15	16
	1,000 to 1,499 miles	1,119	29	40
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	1,438	35	92

See footnotes at end of table.

Table 12.
Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
316	**Leather and allied product manufacturing**			
	Total	**4,870**	**688**	**707**
	Less than 50 miles	478	46	1
	50 to 99 miles	161	56	6
	100 to 249 miles	609	26	5
	250 to 499 miles	764	73	34
	500 to 749 miles	688	104	87
	750 to 999 miles	681	151	183
	1,000 to 1,499 miles	819	184	277
	1,500 to 1,999 miles	405	38	86
	2,000 miles or more	264	9	27
321	**Wood product manufacturing**			
	Total	**76,802**	**211,440**	**59,705**
	Less than 50 miles	20,132	79,560	2,385
	50 to 99 miles	9,351	39,301	3,654
	100 to 249 miles	16,170	44,953	9,190
	250 to 499 miles	13,090	24,243	11,392
	500 to 749 miles	6,252	9,610	7,790
	750 to 999 miles	4,020	4,592	5,174
	1,000 to 1,499 miles	3,258	4,005	6,735
	1,500 to 1,999 miles	2,516	3,032	7,068
	2,000 miles or more	2,014	2,145	6,317
322	**Paper manufacturing**			
	Total	**180,585**	**156,327**	**83,270**
	Less than 50 miles	35,749	31,630	782
	50 to 99 miles	16,754	15,340	1,416
	100 to 249 miles	33,517	30,469	6,735
	250 to 499 miles	35,369	30,020	14,387
	500 to 749 miles	25,662	21,493	17,254
	750 to 999 miles	14,936	13,018	14,695
	1,000 to 1,499 miles	9,480	7,686	12,031
	1,500 to 1,999 miles	6,421	5,079	11,500
	2,000 miles or more	2,697	1,591	4,471
323	**Printing and related support activities**			
	Total	**79,263**	**21,535**	**10,296**
	Less than 50 miles	23,531	4,720	101
	50 to 99 miles	6,762	1,533	176
	100 to 249 miles	10,204	4,944	996
	250 to 499 miles	11,812	4,205	1,846
	500 to 749 miles	9,097	2,705	2,039
	750 to 999 miles	6,670	1,612	1,695
	1,000 to 1,499 miles	5,128	912	1,292
	1,500 to 1,999 miles	3,767	514	1,083
	2,000 miles or more	2,292	391	1,067
324	**Petroleum and coal products manufacturing**			
	Total	**835,321**	**1,222,084**	**165,106**
	Less than 50 miles	520,391	850,104	11,109
	50 to 99 miles	102,191	123,150	10,422
	100 to 249 miles	102,820	125,210	23,229
	250 to 499 miles	43,900	52,390	24,671
	500 to 749 miles	28,029	28,901	23,041
	750 to 999 miles	19,837	23,627	28,745
	1,000 to 1,499 miles	11,256	9,455	14,935
	1,500 to 1,999 miles	5,963	8,525	S
	2,000 miles or more	935	722	1,884
325	**Chemical manufacturing**			
	Total	**785,839**	**609,778**	**313,078**
	Less than 50 miles	167,545	189,076	4,639
	50 to 99 miles	51,995	56,491	5,124
	100 to 249 miles	98,249	91,449	20,132
	250 to 499 miles	149,832	80,588	39,300
	500 to 749 miles	107,667	68,044	59,165
	750 to 999 miles	83,194	57,197	66,571
	1,000 to 1,499 miles	73,878	51,630	82,585
	1,500 to 1,999 miles	30,916	12,217	27,039
	2,000 miles or more	22,562	3,085	8,525
326	**Plastics and rubber products manufacturing**			
	Total	**216,973**	**59,798**	**33,421**
	Less than 50 miles	33,230	11,301	307
	50 to 99 miles	18,221	4,931	468
	100 to 249 miles	35,284	9,713	2,088
	250 to 499 miles	46,123	13,234	6,087
	500 to 749 miles	30,009	8,670	6,531
	750 to 999 miles	19,448	4,867	5,116
	1,000 to 1,499 miles	19,132	4,270	6,223
	1,500 to 1,999 miles	8,945	1,743	3,699
	2,000 miles or more	6,581	1,069	2,901

See footnotes at end of table.

Table 12.
Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
327	**Nonmetallic mineral product manufacturing**			
	Total	**98,603**	**707,054**	**73,594**
	Less than 50 miles	35,921	517,371	8,439
	50 to 99 miles	8,844	56,288	5,133
	100 to 249 miles	18,209	74,462	15,511
	250 to 499 miles	14,092	35,780	17,282
	500 to 749 miles	7,917	11,758	9,706
	750 to 999 miles	5,340	4,918	5,453
	1,000 to 1,499 miles	4,000	3,989	6,031
	1,500 to 1,999 miles	2,532	1,499	3,194
	2,000 miles or more	1,749	989	2,847
331	**Primary metal manufacturing**			
	Total	**265,380**	**189,419**	**87,875**
	Less than 50 miles	42,743	47,775	926
	50 to 99 miles	14,592	11,933	1,130
	100 to 249 miles	52,291	41,956	9,511
	250 to 499 miles	64,637	42,668	20,759
	500 to 749 miles	35,772	20,555	16,335
	750 to 999 miles	19,452	11,423	13,693
	1,000 to 1,499 miles	16,961	7,692	12,359
	1,500 to 1,999 miles	11,684	3,091	6,998
	2,000 miles or more	7,248	2,327	6,163
332	**Fabricated metal product manufacturing**			
	Total	**333,287**	**96,723**	**38,545**
	Less than 50 miles	82,903	27,938	675
	50 to 99 miles	25,601	9,509	877
	100 to 249 miles	52,530	20,015	4,225
	250 to 499 miles	56,988	19,013	8,522
	500 to 749 miles	35,426	8,399	6,404
	750 to 999 miles	26,197	4,645	5,010
	1,000 to 1,499 miles	27,872	4,425	6,504
	1,500 to 1,999 miles	15,553	2,091	4,480
	2,000 miles or more	10,217	686	1,849
333	**Machinery manufacturing**			
	Total	**402,610**	**36,938**	**26,510**
	Less than 50 miles	52,289	5,592	126
	50 to 99 miles	17,872	1,894	181
	100 to 249 miles	56,117	5,562	1,274
	250 to 499 miles	71,268	6,772	3,217
	500 to 749 miles	61,260	5,653	4,447
	750 to 999 miles	54,161	4,492	4,892
	1,000 to 1,499 miles	53,403	4,567	6,875
	1,500 to 1,999 miles	22,933	1,720	3,624
	2,000 miles or more	13,308	687	1,874
334	**Computer and electronic product manufacturing**			
	Total	**331,636**	**4,576**	**3,791**
	Less than 50 miles	52,108	1,099	76
	50 to 99 miles	12,862	179	29
	100 to 249 miles	26,319	399	106
	250 to 499 miles	37,139	750	410
	500 to 749 miles	31,939	586	463
	750 to 999 miles	42,725	381	440
	1,000 to 1,499 miles	47,457	581	832
	1,500 to 1,999 miles	43,228	351	735
	2,000 miles or more	37,858	251	700
335	**Electrical equipment, appliance, and component manufacturing**			
	Total	**120,145**	**16,619**	**12,347**
	Less than 50 miles	11,263	1,930	44
	50 to 99 miles	5,975	958	95
	100 to 249 miles	14,148	2,540	522
	250 to 499 miles	22,837	3,387	1,618
	500 to 749 miles	20,118	2,891	2,226
	750 to 999 miles	14,085	1,680	1,768
	1,000 to 1,499 miles	15,006	1,682	2,483
	1,500 to 1,999 miles	9,345	1,015	2,136
	2,000 miles or more	7,368	537	1,454
336	**Transportation equipment manufacturing**			
	Total	**782,011**	**80,977**	**38,028**
	Less than 50 miles	245,820	25,196	534
	50 to 99 miles	36,904	7,789	664
	100 to 249 miles	91,347	11,927	2,715
	250 to 499 miles	123,488	13,202	6,380
	500 to 749 miles	95,314	9,925	7,689
	750 to 999 miles	64,691	5,250	5,736
	1,000 to 1,499 miles	54,130	4,654	7,131
	1,500 to 1,999 miles	37,496	2,422	5,371
	2,000 miles or more	32,821	612	1,807

See footnotes at end of table.

Table 12.
Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
337	**Furniture and related product manufacturing**			
	Total	**66,809**	**14,850**	**9,652**
	Less than 50 miles	12,560	2,695	75
	50 to 99 miles	4,471	1,082	108
	100 to 249 miles	8,919	1,977	428
	250 to 499 miles	12,827	3,036	1,429
	500 to 749 miles	10,975	2,341	1,789
	750 to 999 miles	6,240	1,470	1,621
	1,000 to 1,499 miles	4,799	1,048	1,517
	1,500 to 1,999 miles	4,065	895	1,853
	2,000 miles or more	1,953	305	832
339	**Miscellaneous manufacturing**			
	Total	**147,284**	**8,599**	**6,571**
	Less than 50 miles	20,895	1,212	33
	50 to 99 miles	5,573	376	38
	100 to 249 miles	13,304	S	S
	250 to 499 miles	21,457	1,474	704
	500 to 749 miles	19,840	1,085	833
	750 to 999 miles	19,158	874	941
	1,000 to 1,499 miles	18,843	747	1,097
	1,500 to 1,999 miles	16,102	723	1,515
	2,000 miles or more	12,113	369	1,022
42	**Wholesale trade**			
	Total	**6,119,269**	**3,780,403**	**723,220**
	Less than 50 miles	2,887,424	2,415,703	48,804
	50 to 99 miles	673,733	393,137	35,314
	100 to 249 miles	859,885	401,813	83,282
	250 to 499 miles	553,580	221,824	103,171
	500 to 749 miles	341,295	144,499	127,029
	750 to 999 miles	226,815	82,720	98,076
	1,000 to 1,499 miles	265,494	81,186	130,451
	1,500 to 1,999 miles	156,665	23,449	52,243
	2,000 miles or more	154,378	16,072	44,849
423	**Merchant wholesalers, durable goods**			
	Total	**2,605,062**	**969,034**	**228,502**
	Less than 50 miles	923,810	532,328	11,777
	50 to 99 miles	236,948	110,213	9,864
	100 to 249 miles	357,282	137,336	28,440
	250 to 499 miles	315,885	78,184	36,283
	500 to 749 miles	221,702	43,326	33,142
	750 to 999 miles	145,253	22,358	24,534
	1,000 to 1,499 miles	185,266	25,027	36,525
	1,500 to 1,999 miles	113,831	12,029	25,086
	2,000 miles or more	105,086	8,233	22,851
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**			
	Total	**540,855**	**66,571**	**31,340**
	Less than 50 miles	166,854	21,817	524
	50 to 99 miles	59,087	7,706	686
	100 to 249 miles	82,529	9,491	1,917
	250 to 499 miles	77,659	8,658	3,729
	500 to 749 miles	52,810	8,702	6,031
	750 to 999 miles	29,260	2,161	2,290
	1,000 to 1,499 miles	34,528	3,703	5,526
	1,500 to 1,999 miles	22,656	1,957	4,328
	2,000 miles or more	15,471	2,378	6,311
4232	**Furniture and home furnishing merchant wholesalers**			
	Total	**66,139**	**16,524**	**9,024**
	Less than 50 miles	25,250	5,927	118
	50 to 99 miles	4,139	1,477	134
	100 to 249 miles	7,337	2,273	452
	250 to 499 miles	6,953	1,587	702
	500 to 749 miles	5,466	S	S
	750 to 999 miles	4,814	762	798
	1,000 to 1,499 miles	4,482	807	1,172
	1,500 to 1,999 miles	3,570	827	1,767
	2,000 miles or more	4,126	844	2,293
4233	**Lumber and other construction materials merchant wholesalers**			
	Total	**114,200**	**329,887**	**31,865**
	Less than 50 miles	70,358	252,667	4,739
	50 to 99 miles	15,022	31,071	2,785
	100 to 249 miles	15,711	24,173	4,893
	250 to 499 miles	6,205	11,704	5,981
	500 to 749 miles	2,657	4,246	3,395
	750 to 999 miles	1,366	2,621	2,806
	1,000 to 1,499 miles	1,377	1,590	2,571
	1,500 to 1,999 miles	803	1,096	2,437
	2,000 miles or more	701	720	2,259

See footnotes at end of table.

Table 12.

Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4234	**Professional and commercial equipment and supplies merchant wholesalers**			
	Total	**437,435**	**22,255**	**12,219**
	Less than 50 miles	114,003	6,918	211
	50 to 99 miles	31,437	1,986	180
	100 to 249 miles	55,849	3,861	798
	250 to 499 miles	54,367	2,648	1,146
	500 to 749 miles	51,747	1,876	1,482
	750 to 999 miles	33,512	1,652	1,781
	1,000 to 1,499 miles	37,475	1,560	2,377
	1,500 to 1,999 miles	28,488	783	1,629
	2,000 miles or more	30,556	972	2,613
4235	**Metal and mineral (except petroleum) merchant wholesalers**			
	Total	**202,708**	**151,632**	**49,683**
	Less than 50 miles	75,265	53,074	1,344
	50 to 99 miles	26,827	21,132	1,894
	100 to 249 miles	42,401	34,594	6,850
	250 to 499 miles	27,501	17,804	7,745
	500 to 749 miles	12,304	7,392	5,914
	750 to 999 miles	6,104	4,237	4,685
	1,000 to 1,499 miles	7,430	S	S
	1,500 to 1,999 miles	2,645	3,284	6,396
	2,000 miles or more	2,230	526	1,433
4236	**Electrical and electronic goods merchant wholesalers**			
	Total	**450,951**	**26,276**	**12,083**
	Less than 50 miles	159,730	12,206	344
	50 to 99 miles	20,705	1,793	159
	100 to 249 miles	40,231	2,812	571
	250 to 499 miles	51,889	2,616	1,161
	500 to 749 miles	39,273	2,083	1,613
	750 to 999 miles	29,852	1,256	1,335
	1,000 to 1,499 miles	51,779	1,635	2,422
	1,500 to 1,999 miles	31,142	995	2,048
	2,000 miles or more	26,349	880	2,431
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**			
	Total	**125,401**	**18,443**	**5,011**
	Less than 50 miles	63,873	8,644	164
	50 to 99 miles	12,113	2,142	197
	100 to 249 miles	16,065	3,208	652
	250 to 499 miles	12,584	2,162	910
	500 to 749 miles	6,672	817	621
	750 to 999 miles	4,328	464	492
	1,000 to 1,499 miles	4,442	491	748
	1,500 to 1,999 miles	2,923	273	561
	2,000 miles or more	2,401	242	666
4238	**Machinery, equipment, and supplies merchant wholesalers**			
	Total	**433,454**	**64,434**	**14,655**
	Less than 50 miles	172,501	36,490	805
	50 to 99 miles	49,837	7,019	628
	100 to 249 miles	66,549	8,607	1,676
	250 to 499 miles	48,805	5,055	2,102
	500 to 749 miles	28,130	2,553	1,967
	750 to 999 miles	21,681	1,676	1,822
	1,000 to 1,499 miles	22,458	1,360	1,974
	1,500 to 1,999 miles	13,960	1,277	2,600
	2,000 miles or more	9,533	398	1,082
4239	**Miscellaneous durable goods merchant wholesalers**			
	Total	**233,919**	**273,012**	**62,620**
	Less than 50 miles	75,975	134,587	3,528
	50 to 99 miles	17,779	35,887	3,200
	100 to 249 miles	30,611	48,317	10,632
	250 to 499 miles	29,921	25,950	12,807
	500 to 749 miles	22,643	13,637	10,530
	750 to 999 miles	14,334	7,529	8,527
	1,000 to 1,499 miles	21,294	4,292	6,314
	1,500 to 1,999 miles	7,645	1,538	3,321
	2,000 miles or more	13,717	1,275	3,763
424	**Merchant wholesalers, nondurable goods**			
	Total	**3,514,207**	**2,811,368**	**494,718**
	Less than 50 miles	1,963,614	1,883,375	37,028
	50 to 99 miles	436,785	282,924	25,451
	100 to 249 miles	502,602	264,477	54,842
	250 to 499 miles	237,695	143,640	66,887
	500 to 749 miles	119,593	101,174	93,887
	750 to 999 miles	81,562	60,362	73,542
	1,000 to 1,499 miles	80,228	56,159	93,926
	1,500 to 1,999 miles	42,834	11,420	27,157
	2,000 miles or more	49,292	7,838	21,998

See footnotes at end of table.

Table 12.
Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4241	**Paper and paper product merchant wholesalers**			
	Total	**96,163**	**39,288**	**7,602**
	Less than 50 miles	53,304	22,732	475
	50 to 99 miles	12,609	5,152	466
	100 to 249 miles	10,760	4,752	939
	250 to 499 miles	7,058	2,712	1,162
	500 to 749 miles	4,199	1,863	1,429
	750 to 999 miles	3,106	875	897
	1,000 to 1,499 miles	2,135	613	857
	1,500 to 1,999 miles	1,779	321	644
	2,000 miles or more	1,214	268	735
4242	**Drugs and druggists' sundries merchant wholesalers**			
	Total	**535,889**	**12,815**	**6,710**
	Less than 50 miles	158,582	2,827	81
	50 to 99 miles	101,433	1,934	166
	100 to 249 miles	139,695	3,055	597
	250 to 499 miles	51,095	1,515	709
	500 to 749 miles	27,932	1,228	918
	750 to 999 miles	16,487	551	564
	1,000 to 1,499 miles	17,477	593	847
	1,500 to 1,999 miles	10,516	326	682
	2,000 miles or more	12,672	786	2,146
4243	**Apparel, piece goods, and notions merchant wholesalers**			
	Total	**121,916**	**9,535**	**8,015**
	Less than 50 miles	24,502	2,181	47
	50 to 99 miles	6,965	683	62
	100 to 249 miles	14,046	969	193
	250 to 499 miles	17,895	1,679	783
	500 to 749 miles	11,700	746	562
	750 to 999 miles	8,922	710	709
	1,000 to 1,499 miles	12,949	868	1,237
	1,500 to 1,999 miles	10,338	430	892
	2,000 miles or more	14,597	1,269	3,531
4244	**Grocery and related product merchant wholesalers**			
	Total	**647,284**	**336,965**	**66,571**
	Less than 50 miles	317,459	181,375	3,861
	50 to 99 miles	109,402	49,976	4,462
	100 to 249 miles	123,258	57,038	11,096
	250 to 499 miles	43,404	22,474	9,480
	500 to 749 miles	16,657	7,857	5,956
	750 to 999 miles	11,267	5,630	6,077
	1,000 to 1,499 miles	10,301	5,444	8,100
	1,500 to 1,999 miles	6,910	3,905	8,390
	2,000 miles or more	8,626	3,267	9,148
4245	**Farm product raw material merchant wholesalers**			
	Total	**239,194**	**642,820**	**260,458**
	Less than 50 miles	95,753	294,728	8,479
	50 to 99 miles	25,757	74,484	7,189
	100 to 249 miles	27,036	72,209	17,840
	250 to 499 miles	22,971	49,553	26,918
	500 to 749 miles	25,174	68,372	67,422
	750 to 999 miles	18,060	38,956	51,026
	1,000 to 1,499 miles	18,515	40,224	69,211
	1,500 to 1,999 miles	2,701	3,477	9,876
	2,000 miles or more	3,228	818	2,497
4246	**Chemical and allied products merchant wholesalers**			
	Total	**153,656**	**104,935**	**22,535**
	Less than 50 miles	61,155	47,220	1,109
	50 to 99 miles	20,023	20,019	1,852
	100 to 249 miles	24,218	16,020	3,122
	250 to 499 miles	19,229	11,856	5,433
	500 to 749 miles	10,485	5,338	4,614
	750 to 999 miles	6,203	2,367	2,552
	1,000 to 1,499 miles	6,594	1,312	1,969
	1,500 to 1,999 miles	2,892	467	953
	2,000 miles or more	2,857	336	931
4247	**Petroleum and petroleum products merchant wholesalers**			
	Total	**1,319,585**	**1,396,357**	**77,968**
	Less than 50 miles	1,042,781	1,150,746	18,894
	50 to 99 miles	109,719	106,643	9,097
	100 to 249 miles	93,776	82,698	15,388
	250 to 499 miles	47,140	40,190	16,275
	500 to 749 miles	10,589	S	S
	750 to 999 miles	8,758	4,134	4,416
	1,000 to 1,499 miles	3,397	1,948	2,895
	1,500 to 1,999 miles	2,563	1,293	3,006
	2,000 miles or more	862	295	776

See footnotes at end of table.

Table 12.

Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**			
	Total	**120,471**	**55,359**	**2,973**
	Less than 50 miles	98,067	47,991	903
	50 to 99 miles	10,632	3,984	338
	100 to 249 miles	7,020	2,082	379
	250 to 499 miles	1,778	511	215
	500 to 749 miles	859	282	223
	750 to 999 miles	673	152	156
	1,000 to 1,499 miles	434	129	194
	1,500 to 1,999 miles	419	102	209
	2,000 miles or more	587	126	357
4249	**Miscellaneous nondurable goods merchant wholesalers**			
	Total	**280,049**	**213,293**	**41,886**
	Less than 50 miles	112,011	133,576	3,178
	50 to 99 miles	40,246	20,048	1,820
	100 to 249 miles	62,793	25,655	5,289
	250 to 499 miles	27,126	13,149	5,913
	500 to 749 miles	11,998	7,077	5,543
	750 to 999 miles	8,085	6,988	7,146
	1,000 to 1,499 miles	8,426	5,029	8,616
	1,500 to 1,999 miles	4,716	1,099	2,504
	2,000 miles or more	4,649	673	1,878
4541	**Electronic shopping and mail-order houses**			
	Total	**318,266**	**11,966**	**9,392**
	Less than 50 miles	37,391	2,957	71
	50 to 99 miles	15,360	572	90
	100 to 249 miles	36,421	1,762	382
	250 to 499 miles	40,385	1,538	668
	500 to 749 miles	40,198	1,004	767
	750 to 999 miles	40,692	1,171	1,255
	1,000 to 1,499 miles	38,591	1,146	1,653
	1,500 to 1,999 miles	29,553	795	1,673
	2,000 miles or more	39,675	1,021	2,832
45431	**Fuel dealers**			
	Total	**35,694**	**36,034**	**734**
	Less than 50 miles	34,296	34,439	541
	50 to 99 miles	986	1,107	93
	100 to 249 miles	399	470	90
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	3	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4931[4]	**Warehousing and storage**			
	Total	**1,207,896**	**294,522**	**60,458**
	Less than 50 miles	270,063	112,769	3,235
	50 to 99 miles	204,880	53,506	4,810
	100 to 249 miles	356,065	76,968	15,198
	250 to 499 miles	193,065	31,466	13,318
	500 to 749 miles	68,054	9,990	7,837
	750 to 999 miles	34,875	3,818	3,962
	1,000 to 1,499 miles	37,376	2,748	4,272
	1,500 to 1,999 miles	25,428	1,850	3,962
	2,000 miles or more	18,091	1,407	3,864
5111	**Newspaper, periodical, book, and directory publishers**			
	Total	**49,500**	**11,660**	**2,130**
	Less than 50 miles	21,158	8,642	139
	50 to 99 miles	2,101	644	51
	100 to 249 miles	3,567	491	98
	250 to 499 miles	4,360	324	157
	500 to 749 miles	5,214	S	S
	750 to 999 miles	4,433	304	305
	1,000 to 1,499 miles	3,533	225	317
	1,500 to 1,999 miles	2,747	125	255
	2,000 miles or more	2,388	77	216
551114	**Corporate, subsidiary, and regional managing offices**			
	Total	**342,317**	**108,111**	**34,782**
	Less than 50 miles	119,673	57,994	1,052
	50 to 99 miles	31,713	10,654	961
	100 to 249 miles	56,190	14,507	3,096
	250 to 499 miles	39,455	9,101	3,956
	500 to 749 miles	27,107	5,238	4,116
	750 to 999 miles	15,453	1,944	2,158
	1,000 to 1,499 miles	24,001	S	S
	1,500 to 1,999 miles	13,409	S	S
	2,000 miles or more	15,315	S	S

S Withheld because estimate did not meet publication standards.
[1] NAICS codes shown are those covered in the Commodity Flow Survey.
[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 13.
Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
212	**Mining (except oil and gas)**				
	Total	**99,888**	**2,900,863**	**859,267**	**47**
	Less than 50 lbs.	100	5	Z	S
	50 to 99 lbs.	79	1	Z	S
	100 to 499 lbs.	1,314	9	1	91
	500 to 749 lbs.	2,695	9	1	67
	750 to 999 lbs.	S	22	1	35
	1,000 to 9,999 lbs.	3,694	5,953	158	30
	10,000 to 49,999 lbs.	23,984	980,375	35,898	35
	50,000 to 99,999 lbs.	13,733	542,593	28,812	53
	100,000 lbs. or more	53,256	1,371,895	794,397	297
31-33	**Manufacturing**				
	Total	**5,679,313**	**4,155,850**	**1,279,523**	**713**
	Less than 50 lbs.	416,625	3,575	2,834	869
	50 to 99 lbs.	120,951	2,495	1,600	641
	100 to 499 lbs.	314,730	14,944	8,149	555
	500 to 749 lbs.	106,881	7,685	4,023	523
	750 to 999 lbs.	73,510	6,724	3,421	508
	1,000 to 9,999 lbs.	917,687	182,664	74,368	434
	10,000 to 49,999 lbs.	2,323,105	1,946,638	565,938	295
	50,000 to 99,999 lbs.	246,827	548,067	77,955	138
	100,000 lbs. or more	1,158,998	1,443,056	541,237	740
311	**Food manufacturing**				
	Total	**744,573**	**545,892**	**261,169**	**239**
	Less than 50 lbs.	3,485	438	63	180
	50 to 99 lbs.	2,393	416	56	137
	100 to 499 lbs.	8,235	2,307	348	144
	500 to 749 lbs.	4,076	1,337	261	194
	750 to 999 lbs.	3,285	1,070	281	259
	1,000 to 9,999 lbs.	80,562	31,951	11,296	335
	10,000 to 49,999 lbs.	544,926	321,479	152,531	467
	50,000 to 99,999 lbs.	43,905	92,157	14,382	153
	100,000 lbs. or more	53,707	94,737	81,952	950
312	**Beverage and tobacco product manufacturing**				
	Total	**142,936**	**159,843**	**49,408**	**292**
	Less than 50 lbs.	717	60	S	720
	50 to 99 lbs.	238	68	9	150
	100 to 499 lbs.	1,249	571	42	77
	500 to 749 lbs.	681	331	23	71
	750 to 999 lbs.	688	378	27	71
	1,000 to 9,999 lbs.	9,905	5,880	828	131
	10,000 to 49,999 lbs.	117,586	136,255	41,247	283
	50,000 to 99,999 lbs.	8,690	12,407	2,558	194
	100,000 lbs. or more	3,181	3,893	4,633	1,543
313	**Textile mills**				
	Total	**30,328**	**7,101**	**3,731**	**765**
	Less than 50 lbs.	818	16	13	845
	50 to 99 lbs.	360	15	12	790
	100 to 499 lbs.	1,402	89	65	736
	500 to 749 lbs.	692	58	35	602
	750 to 999 lbs.	607	53	34	642
	1,000 to 9,999 lbs.	7,489	1,012	613	608
	10,000 to 49,999 lbs.	18,163	4,962	2,872	602
	50,000 to 99,999 lbs.	281	118	31	S
	100,000 lbs. or more	514	778	57	S
314	**Textile product mills**				
	Total	**21,595**	**5,096**	**2,313**	**918**
	Less than 50 lbs.	2,388	83	75	951
	50 to 99 lbs.	943	46	38	829
	100 to 499 lbs.	2,364	170	149	856
	500 to 749 lbs.	690	69	62	883
	750 to 999 lbs.	624	75	63	827
	1,000 to 9,999 lbs.	5,216	889	583	707
	10,000 to 49,999 lbs.	8,281	2,662	1,316	505
	50,000 to 99,999 lbs.	210	49	10	216
	100,000 lbs. or more	S	S	18	S
315	**Apparel manufacturing**				
	Total	**12,462**	**515**	**402**	**1,169**
	Less than 50 lbs.	2,985	39	47	1,187
	50 to 99 lbs.	878	19	21	1,122
	100 to 499 lbs.	1,960	44	42	1,056
	500 to 749 lbs.	533	16	12	724
	750 to 999 lbs.	440	11	7	677
	1,000 to 9,999 lbs.	2,618	171	81	583
	10,000 to 49,999 lbs.	S	209	S	988
	50,000 to 99,999 lbs.	25	6	S	S
	100,000 lbs. or more	0	0	0	0

See footnotes at end of table.

Table 13.
Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
316	**Leather and allied product manufacturing**				
	Total	**4,870**	**688**	**707**	**1,105**
	Less than 50 lbs.	938	19	19	1,112
	50 to 99 lbs.	297	8	9	1,040
	100 to 499 lbs.	688	29	32	1,132
	500 to 749 lbs.	122	6	5	818
	750 to 999 lbs.	103	5	5	977
	1,000 to 9,999 lbs.	1,123	73	60	813
	10,000 to 49,999 lbs.	1,478	408	503	1,206
	50,000 to 99,999 lbs.	41	41	29	690
	100,000 lbs. or more	80	99	S	294
321	**Wood product manufacturing**				
	Total	**76,802**	**211,440**	**59,705**	**341**
	Less than 50 lbs.	510	28	19	727
	50 to 99 lbs.	326	33	14	420
	100 to 499 lbs.	2,009	300	98	327
	500 to 749 lbs.	1,104	211	62	291
	750 to 999 lbs.	861	184	67	356
	1,000 to 9,999 lbs.	11,273	6,607	1,463	236
	10,000 to 49,999 lbs.	40,383	91,306	24,146	248
	50,000 to 99,999 lbs.	13,291	87,239	11,756	133
	100,000 lbs. or more	7,045	25,531	22,081	922
322	**Paper manufacturing**				
	Total	**180,585**	**156,327**	**83,270**	**532**
	Less than 50 lbs.	1,125	47	41	931
	50 to 99 lbs.	667	36	26	725
	100 to 499 lbs.	2,515	357	145	427
	500 to 749 lbs.	1,238	277	88	319
	750 to 999 lbs.	1,124	291	92	316
	1,000 to 9,999 lbs.	24,267	11,463	3,204	280
	10,000 to 49,999 lbs.	124,587	106,204	51,249	435
	50,000 to 99,999 lbs.	5,163	7,547	2,736	344
	100,000 lbs. or more	19,899	30,105	25,689	881
323	**Printing and related support activities**				
	Total	**79,263**	**21,535**	**10,296**	**769**
	Less than 50 lbs.	17,239	637	467	796
	50 to 99 lbs.	3,985	205	119	564
	100 to 499 lbs.	10,617	820	409	524
	500 to 749 lbs.	4,512	433	201	467
	750 to 999 lbs.	2,275	315	132	418
	1,000 to 9,999 lbs.	21,493	6,078	2,732	462
	10,000 to 49,999 lbs.	18,680	12,594	6,050	461
	50,000 to 99,999 lbs.	276	181	86	486
	100,000 lbs. or more	185	273	S	S
324	**Petroleum and coal products manufacturing**				
	Total	**835,321**	**1,222,084**	**165,106**	**216**
	Less than 50 lbs.	S	21	13	792
	50 to 99 lbs.	338	43	22	513
	100 to 499 lbs.	1,194	354	148	429
	500 to 749 lbs.	275	66	28	423
	750 to 999 lbs.	245	81	21	257
	1,000 to 9,999 lbs.	11,730	7,297	932	216
	10,000 to 49,999 lbs.	105,743	286,885	26,610	85
	50,000 to 99,999 lbs.	48,638	112,484	8,163	72
	100,000 lbs. or more	664,526	814,852	129,167	489
325	**Chemical manufacturing**				
	Total	**785,839**	**609,778**	**313,078**	**887**
	Less than 50 lbs.	44,053	304	310	1,083
	50 to 99 lbs.	8,402	181	157	876
	100 to 499 lbs.	28,538	1,259	799	642
	500 to 749 lbs.	10,846	622	375	604
	750 to 999 lbs.	7,822	634	453	720
	1,000 to 9,999 lbs.	96,901	14,207	7,671	570
	10,000 to 49,999 lbs.	331,490	216,070	84,054	404
	50,000 to 99,999 lbs.	27,240	78,878	14,234	172
	100,000 lbs. or more	230,547	297,622	205,026	848
326	**Plastics and rubber products manufacturing**				
	Total	**216,973**	**59,798**	**33,421**	**764**
	Less than 50 lbs.	7,751	154	143	960
	50 to 99 lbs.	3,223	138	109	786
	100 to 499 lbs.	15,441	1,152	751	668
	500 to 749 lbs.	6,063	669	412	616
	750 to 999 lbs.	5,171	606	364	600
	1,000 to 9,999 lbs.	77,267	17,761	7,942	473
	10,000 to 49,999 lbs.	98,919	35,098	22,038	601
	50,000 to 99,999 lbs.	1,388	773	328	402
	100,000 lbs. or more	1,750	S	S	570

See footnotes at end of table.

Table 13.

Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
327	**Nonmetallic mineral product manufacturing**				
	Total	**98,603**	**707,054**	**73,594**	**180**
	Less than 50 lbs.	2,835	46	25	652
	50 to 99 lbs.	1,060	59	21	360
	100 to 499 lbs.	3,026	351	112	307
	500 to 749 lbs.	1,037	178	55	310
	750 to 999 lbs.	731	178	45	255
	1,000 to 9,999 lbs.	12,258	15,466	1,689	126
	10,000 to 49,999 lbs.	60,750	472,546	38,782	77
	50,000 to 99,999 lbs.	10,090	119,849	9,918	83
	100,000 lbs. or more	6,818	98,381	22,946	265
331	**Primary metal manufacturing**				
	Total	**265,380**	**189,419**	**87,875**	**602**
	Less than 50 lbs.	4,771	25	19	891
	50 to 99 lbs.	2,748	26	20	820
	100 to 499 lbs.	10,972	215	131	623
	500 to 749 lbs.	3,186	158	96	606
	750 to 999 lbs.	1,885	140	82	582
	1,000 to 9,999 lbs.	29,061	5,089	2,841	581
	10,000 to 49,999 lbs.	147,653	108,674	41,095	387
	50,000 to 99,999 lbs.	18,926	20,367	5,541	278
	100,000 lbs. or more	46,178	54,726	38,050	658
332	**Fabricated metal product manufacturing**				
	Total	**333,287**	**96,723**	**38,545**	**562**
	Less than 50 lbs.	40,505	398	236	636
	50 to 99 lbs.	12,763	351	181	509
	100 to 499 lbs.	40,039	2,129	1,088	505
	500 to 749 lbs.	13,071	1,051	486	459
	750 to 999 lbs.	8,560	924	426	458
	1,000 to 9,999 lbs.	86,461	17,382	6,772	404
	10,000 to 49,999 lbs.	116,152	60,431	24,262	398
	50,000 to 99,999 lbs.	8,613	7,573	1,907	250
	100,000 lbs. or more	7,123	6,484	3,187	458
333	**Machinery manufacturing**				
	Total	**402,610**	**36,938**	**26,510**	**889**
	Less than 50 lbs.	43,327	331	304	932
	50 to 99 lbs.	12,400	231	210	891
	100 to 499 lbs.	37,633	1,264	1,010	803
	500 to 749 lbs.	13,316	629	503	803
	750 to 999 lbs.	9,108	507	363	716
	1,000 to 9,999 lbs.	96,771	8,789	6,264	717
	10,000 to 49,999 lbs.	151,808	19,868	12,828	644
	50,000 to 99,999 lbs.	19,235	3,071	2,656	860
	100,000 lbs. or more	19,011	2,249	2,373	1,024
334	**Computer and electronic product manufacturing**				
	Total	**331,636**	**4,576**	**3,791**	**1,164**
	Less than 50 lbs.	129,889	236	276	1,179
	50 to 99 lbs.	39,601	129	140	1,089
	100 to 499 lbs.	67,365	421	463	1,126
	500 to 749 lbs.	21,547	159	149	926
	750 to 999 lbs.	13,712	97	89	908
	1,000 to 9,999 lbs.	42,645	1,198	1,062	964
	10,000 to 49,999 lbs.	14,858	1,891	1,304	764
	50,000 to 99,999 lbs.	1,640	202	122	618
	100,000 lbs. or more	S	243	S	968
335	**Electrical equipment, appliance, and component manufacturing**				
	Total	**120,145**	**16,619**	**12,347**	**998**
	Less than 50 lbs.	15,282	100	103	1,059
	50 to 99 lbs.	4,681	71	72	1,004
	100 to 499 lbs.	14,055	454	410	906
	500 to 749 lbs.	5,288	229	208	911
	750 to 999 lbs.	2,837	181	158	874
	1,000 to 9,999 lbs.	29,940	3,235	2,557	832
	10,000 to 49,999 lbs.	43,499	10,975	7,729	707
	50,000 to 99,999 lbs.	3,217	865	472	508
	100,000 lbs. or more	1,347	508	638	1,214
336	**Transportation equipment manufacturing**				
	Total	**782,011**	**80,977**	**38,028**	**806**
	Less than 50 lbs.	35,446	148	138	981
	50 to 99 lbs.	15,170	109	89	810
	100 to 499 lbs.	37,217	869	554	688
	500 to 749 lbs.	9,536	456	371	812
	750 to 999 lbs.	7,566	404	289	719
	1,000 to 9,999 lbs.	211,732	20,543	10,762	559
	10,000 to 49,999 lbs.	334,635	48,581	20,540	418
	50,000 to 99,999 lbs.	35,278	3,589	2,598	726
	100,000 lbs. or more	95,431	6,277	2,686	486

See footnotes at end of table.

Table 13.
Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
337	**Furniture and related product manufacturing**				
	Total	**66,809**	**14,850**	**9,652**	**792**
	Less than 50 lbs.	2,218	87	74	1,003
	50 to 99 lbs.	1,583	153	120	773
	100 to 499 lbs.	9,174	1,213	786	652
	500 to 749 lbs.	3,443	511	367	719
	750 to 999 lbs.	2,747	425	285	673
	1,000 to 9,999 lbs.	29,733	5,442	3,242	586
	10,000 to 49,999 lbs.	17,292	5,989	4,089	735
	50,000 to 99,999 lbs.	394	424	203	471
	100,000 lbs. or more	225	606	487	780
339	**Miscellaneous manufacturing**				
	Total	**147,284**	**8,599**	**6,571**	**1,003**
	Less than 50 lbs.	57,711	360	409	1,008
	50 to 99 lbs.	8,897	155	153	988
	100 to 499 lbs.	19,035	576	568	977
	500 to 749 lbs.	5,626	221	224	995
	750 to 999 lbs.	3,119	165	137	831
	1,000 to 9,999 lbs.	29,241	2,133	1,774	869
	10,000 to 49,999 lbs.	23,198	3,550	2,500	701
	50,000 to 99,999 lbs.	286	246	225	970
	100,000 lbs. or more	S	S	S	S
42	**Wholesale trade**				
	Total	**6,119,269**	**3,780,403**	**723,220**	**413**
	Less than 50 lbs.	1,028,302	19,702	8,188	493
	50 to 99 lbs.	284,835	12,493	3,902	314
	100 to 499 lbs.	738,710	70,198	15,143	226
	500 to 749 lbs.	207,401	35,420	6,110	173
	750 to 999 lbs.	161,625	30,145	4,815	159
	1,000 to 9,999 lbs.	1,298,919	455,326	71,680	157
	10,000 to 49,999 lbs.	1,353,232	1,292,630	213,562	153
	50,000 to 99,999 lbs.	730,003	1,077,907	68,168	63
	100,000 lbs. or more	316,242	786,581	331,651	462
423	**Merchant wholesalers, durable goods**				
	Total	**2,605,062**	**969,034**	**228,502**	**455**
	Less than 50 lbs.	725,274	14,400	6,255	486
	50 to 99 lbs.	174,917	8,026	2,969	372
	100 to 499 lbs.	448,765	32,235	10,317	322
	500 to 749 lbs.	117,911	13,189	3,978	299
	750 to 999 lbs.	75,941	9,535	2,672	280
	1,000 to 9,999 lbs.	536,700	122,593	33,198	278
	10,000 to 49,999 lbs.	432,021	471,348	91,195	187
	50,000 to 99,999 lbs.	42,979	137,196	14,669	104
	100,000 lbs. or more	50,555	160,511	63,249	359
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	Total	**540,855**	**66,571**	**31,340**	**381**
	Less than 50 lbs.	134,344	4,847	1,679	394
	50 to 99 lbs.	41,358	2,586	748	290
	100 to 499 lbs.	116,589	9,093	2,984	320
	500 to 749 lbs.	30,212	3,139	986	311
	750 to 999 lbs.	20,448	2,057	672	323
	1,000 to 9,999 lbs.	119,771	16,573	8,035	415
	10,000 to 49,999 lbs.	68,975	23,489	12,438	532
	50,000 to 99,999 lbs.	4,676	2,125	S	702
	100,000 lbs. or more	S	S	S	708
4232	**Furniture and home furnishing merchant wholesalers**				
	Total	**66,139**	**16,524**	**9,024**	**672**
	Less than 50 lbs.	6,611	386	304	741
	50 to 99 lbs.	3,247	347	268	770
	100 to 499 lbs.	11,489	1,538	695	475
	500 to 749 lbs.	3,606	718	290	400
	750 to 999 lbs.	2,722	601	225	372
	1,000 to 9,999 lbs.	25,658	6,521	3,177	437
	10,000 to 49,999 lbs.	11,164	4,325	3,151	697
	50,000 to 99,999 lbs.	1,183	931	S	S
	100,000 lbs. or more	S	S	S	469
4233	**Lumber and other construction materials merchant wholesalers**				
	Total	**114,200**	**329,887**	**31,865**	**87**
	Less than 50 lbs.	4,945	257	26	118
	50 to 99 lbs.	2,943	337	27	80
	100 to 499 lbs.	11,444	2,304	176	77
	500 to 749 lbs.	4,475	1,334	103	77
	750 to 999 lbs.	2,981	1,140	80	70
	1,000 to 9,999 lbs.	38,419	30,132	1,975	70
	10,000 to 49,999 lbs.	39,453	179,376	13,907	63
	50,000 to 99,999 lbs.	6,760	82,659	4,735	56
	100,000 lbs. or more	2,779	32,347	10,837	429

See footnotes at end of table.

Table 13.
Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	Total	**437,435**	**22,255**	**12,219**	**642**
	Less than 50 lbs.	176,024	2,976	1,674	656
	50 to 99 lbs.	35,414	1,169	630	538
	100 to 499 lbs.	83,875	3,629	1,970	538
	500 to 749 lbs.	19,205	1,195	677	564
	750 to 999 lbs.	14,287	875	432	494
	1,000 to 9,999 lbs.	69,853	6,675	3,354	515
	10,000 to 49,999 lbs.	37,524	5,605	3,453	599
	50,000 to 99,999 lbs.	1,063	99	19	S
	100,000 lbs. or more	S	S	S	S
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	Total	**202,708**	**151,632**	**49,683**	**223**
	Less than 50 lbs.	6,133	225	63	310
	50 to 99 lbs.	3,283	296	71	241
	100 to 499 lbs.	15,584	2,622	447	174
	500 to 749 lbs.	6,924	1,565	252	163
	750 to 999 lbs.	4,905	1,448	218	150
	1,000 to 9,999 lbs.	57,727	24,898	4,165	165
	10,000 to 49,999 lbs.	91,780	77,841	18,311	217
	50,000 to 99,999 lbs.	6,550	10,151	1,883	182
	100,000 lbs. or more	9,822	32,586	24,274	443
4236	**Electrical and electronic goods merchant wholesalers**				
	Total	**450,951**	**26,276**	**12,083**	**517**
	Less than 50 lbs.	162,073	2,055	1,046	542
	50 to 99 lbs.	39,704	1,127	412	366
	100 to 499 lbs.	91,531	4,421	1,611	363
	500 to 749 lbs.	24,319	1,634	663	397
	750 to 999 lbs.	12,719	1,020	378	367
	1,000 to 9,999 lbs.	89,953	9,795	4,743	465
	10,000 to 49,999 lbs.	27,606	4,765	2,498	534
	50,000 to 99,999 lbs.	773	861	S	S
	100,000 lbs. or more	2,273	599	S	716
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	Total	**125,401**	**18,443**	**5,011**	**257**
	Less than 50 lbs.	26,879	846	238	264
	50 to 99 lbs.	9,546	668	150	219
	100 to 499 lbs.	30,296	2,979	722	237
	500 to 749 lbs.	8,518	1,107	266	236
	750 to 999 lbs.	5,359	792	248	312
	1,000 to 9,999 lbs.	34,273	7,988	2,147	281
	10,000 to 49,999 lbs.	10,041	3,605	1,165	316
	50,000 to 99,999 lbs.	416	332	60	193
	100,000 lbs. or more	74	S	S	S
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	Total	**433,454**	**64,434**	**14,655**	**323**
	Less than 50 lbs.	141,619	2,157	696	329
	50 to 99 lbs.	31,445	1,236	446	360
	100 to 499 lbs.	69,997	4,691	1,189	253
	500 to 749 lbs.	16,684	1,944	558	284
	750 to 999 lbs.	9,445	1,165	295	255
	1,000 to 9,999 lbs.	83,034	15,169	4,058	289
	10,000 to 49,999 lbs.	66,679	29,803	5,453	189
	50,000 to 99,999 lbs.	10,116	4,285	718	162
	100,000 lbs. or more	4,435	3,983	S	267
4239	**Miscellaneous durable goods merchant wholesalers**				
	Total	**233,919**	**273,012**	**62,620**	**829**
	Less than 50 lbs.	66,647	651	529	897
	50 to 99 lbs.	7,978	261	218	851
	100 to 499 lbs.	17,960	958	523	592
	500 to 749 lbs.	3,967	553	184	316
	750 to 999 lbs.	3,075	437	124	283
	1,000 to 9,999 lbs.	18,012	4,842	1,545	288
	10,000 to 49,999 lbs.	78,798	142,541	30,818	208
	50,000 to 99,999 lbs.	11,443	35,752	5,221	147
	100,000 lbs. or more	26,039	87,016	23,457	316
424	**Merchant wholesalers, nondurable goods**				
	Total	**3,514,207**	**2,811,368**	**494,718**	**321**
	Less than 50 lbs.	303,028	5,302	1,933	518
	50 to 99 lbs.	109,919	4,467	933	211
	100 to 499 lbs.	289,945	37,963	4,827	133
	500 to 749 lbs.	89,490	22,231	2,132	97
	750 to 999 lbs.	85,683	20,610	2,143	103
	1,000 to 9,999 lbs.	762,219	332,733	38,482	113
	10,000 to 49,999 lbs.	921,211	821,282	122,367	135
	50,000 to 99,999 lbs.	687,024	940,710	53,498	57
	100,000 lbs. or more	265,688	626,070	268,403	514

See footnotes at end of table.

Table 13.
Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4241	**Paper and paper product merchant wholesalers**				
	Total	**96,163**	**39,288**	**7,602**	**314**
	Less than 50 lbs.	13,708	613	217	407
	50 to 99 lbs.	5,824	547	106	191
	100 to 499 lbs.	17,071	3,369	477	152
	500 to 749 lbs.	5,563	1,570	186	118
	750 to 999 lbs.	3,873	1,179	139	116
	1,000 to 9,999 lbs.	32,011	14,605	1,835	129
	10,000 to 49,999 lbs.	16,782	15,152	3,727	204
	50,000 to 99,999 lbs.	528	743	150	206
	100,000 lbs. or more	803	1,511	765	S
4242	**Drugs and druggists' sundries merchant wholesalers**				
	Total	**535,889**	**12,815**	**6,710**	**487**
	Less than 50 lbs.	207,234	1,459	513	497
	50 to 99 lbs.	64,038	447	173	379
	100 to 499 lbs.	100,692	1,622	653	379
	500 to 749 lbs.	15,387	404	206	519
	750 to 999 lbs.	19,121	509	271	526
	1,000 to 9,999 lbs.	85,993	3,570	2,029	572
	10,000 to 49,999 lbs.	41,422	4,538	2,747	564
	50,000 to 99,999 lbs.	1,046	160	S	470
	100,000 lbs. or more	S	107	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	Total	**121,916**	**9,535**	**8,015**	**997**
	Less than 50 lbs.	29,511	615	571	1,029
	50 to 99 lbs.	8,935	283	227	799
	100 to 499 lbs.	19,089	863	671	774
	500 to 749 lbs.	5,099	227	189	843
	750 to 999 lbs.	5,232	250	167	665
	1,000 to 9,999 lbs.	33,306	2,495	1,750	684
	10,000 to 49,999 lbs.	18,175	2,832	2,247	779
	50,000 to 99,999 lbs.	S	906	S	S
	100,000 lbs. or more	407	1,066	S	1,595
4244	**Grocery and related product merchant wholesalers**				
	Total	**647,284**	**336,965**	**66,571**	**123**
	Less than 50 lbs.	11,168	1,050	126	203
	50 to 99 lbs.	8,803	1,391	98	70
	100 to 499 lbs.	52,706	14,344	1,033	70
	500 to 749 lbs.	25,857	8,800	684	78
	750 to 999 lbs.	23,302	7,955	673	84
	1,000 to 9,999 lbs.	276,285	122,181	17,504	129
	10,000 to 49,999 lbs.	235,283	161,289	39,054	208
	50,000 to 99,999 lbs.	9,455	13,323	3,092	235
	100,000 lbs. or more	4,425	6,632	4,307	835
4245	**Farm product raw material merchant wholesalers**				
	Total	**239,194**	**642,820**	**260,458**	**265**
	Less than 50 lbs.	S	21	S	936
	50 to 99 lbs.	293	26	10	362
	100 to 499 lbs.	1,560	253	45	S
	500 to 749 lbs.	591	202	21	S
	750 to 999 lbs.	329	127	13	S
	1,000 to 9,999 lbs.	6,908	5,050	736	150
	10,000 to 49,999 lbs.	41,153	58,287	13,281	216
	50,000 to 99,999 lbs.	68,902	227,653	16,757	74
	100,000 lbs. or more	117,724	351,201	229,578	693
4246	**Chemical and allied products merchant wholesalers**				
	Total	**153,656**	**104,935**	**22,535**	**223**
	Less than 50 lbs.	8,528	339	112	319
	50 to 99 lbs.	3,894	395	87	225
	100 to 499 lbs.	17,497	3,208	502	148
	500 to 749 lbs.	6,413	2,394	202	86
	750 to 999 lbs.	3,960	1,294	157	118
	1,000 to 9,999 lbs.	52,476	25,836	4,009	147
	10,000 to 49,999 lbs.	55,173	57,353	12,067	204
	50,000 to 99,999 lbs.	2,786	5,877	1,277	217
	100,000 lbs. or more	2,930	8,238	S	535
4247	**Petroleum and petroleum products merchant wholesalers**				
	Total	**1,319,585**	**1,396,357**	**77,968**	**74**
	Less than 50 lbs.	1,942	202	26	116
	50 to 99 lbs.	2,381	337	39	114
	100 to 499 lbs.	16,457	5,187	460	91
	500 to 749 lbs.	6,916	3,631	203	57
	750 to 999 lbs.	9,456	4,696	351	74
	1,000 to 9,999 lbs.	137,636	102,962	5,968	61
	10,000 to 49,999 lbs.	441,946	443,843	37,696	71
	50,000 to 99,999 lbs.	577,877	632,550	25,107	40
	100,000 lbs. or more	124,975	202,948	8,118	172

See footnotes at end of table.

Table 13.

Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	Total	**120,471**	**55,359**	**2,973**	**43**
	Less than 50 lbs.	2,505	285	17	55
	50 to 99 lbs.	2,984	486	22	46
	100 to 499 lbs.	21,256	5,991	244	43
	500 to 749 lbs.	8,704	3,319	115	35
	750 to 999 lbs.	7,086	3,107	103	33
	1,000 to 9,999 lbs.	56,998	30,648	1,097	34
	10,000 to 49,999 lbs.	18,767	10,207	1,183	80
	50,000 to 99,999 lbs.	2,073	1,253	191	142
	100,000 lbs. or more	S	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	Total	**280,049**	**213,293**	**41,886**	**445**
	Less than 50 lbs.	26,698	718	335	592
	50 to 99 lbs.	12,766	556	171	307
	100 to 499 lbs.	43,618	3,127	743	242
	500 to 749 lbs.	14,960	1,683	324	189
	750 to 999 lbs.	13,326	1,493	269	180
	1,000 to 9,999 lbs.	80,606	25,386	3,553	162
	10,000 to 49,999 lbs.	52,511	67,781	10,366	127
	50,000 to 99,999 lbs.	22,195	58,244	6,642	117
	100,000 lbs. or more	13,369	54,304	19,483	352
4541	**Electronic shopping and mail-order houses**				
	Total	**318,266**	**11,966**	**9,392**	**1,173**
	Less than 50 lbs.	272,184	4,911	5,280	1,192
	50 to 99 lbs.	14,293	1,193	707	605
	100 to 499 lbs.	17,328	2,758	1,308	487
	500 to 749 lbs.	2,348	406	292	674
	750 to 999 lbs.	1,550	317	126	S
	1,000 to 9,999 lbs.	7,010	1,896	1,193	610
	10,000 to 49,999 lbs.	3,236	S	S	1,036
	50,000 to 99,999 lbs.	70	S	S	S
	100,000 lbs. or more	S	S	S	S
45431	**Fuel dealers**				
	Total	**35,694**	**36,034**	**734**	**19**
	Less than 50 lbs.	192	49	1	20
	50 to 99 lbs.	256	130	3	20
	100 to 499 lbs.	3,893	3,109	64	20
	500 to 749 lbs.	3,452	3,242	57	18
	750 to 999 lbs.	4,122	3,972	66	17
	1,000 to 9,999 lbs.	17,927	18,795	338	17
	10,000 to 49,999 lbs.	4,601	5,258	152	22
	50,000 to 99,999 lbs.	998	1,172	51	44
	100,000 lbs. or more	253	308	3	11
4931[3]	**Warehousing and storage**				
	Total	**1,207,896**	**294,522**	**60,458**	**748**
	Less than 50 lbs.	63,258	1,590	1,199	793
	50 to 99 lbs.	14,591	512	316	614
	100 to 499 lbs.	57,675	2,759	1,474	554
	500 to 749 lbs.	21,719	1,137	612	532
	750 to 999 lbs.	10,441	806	340	427
	1,000 to 9,999 lbs.	219,735	22,085	6,876	347
	10,000 to 49,999 lbs.	770,104	195,781	41,304	226
	50,000 to 99,999 lbs.	44,275	39,948	3,782	88
	100,000 lbs. or more	6,098	29,904	4,556	291
5111	**Newspaper, periodical, book, and directory publishers**				
	Total	**49,500**	**11,660**	**2,130**	**S**
	Less than 50 lbs.	9,039	857	233	S
	50 to 99 lbs.	3,176	423	92	206
	100 to 499 lbs.	8,962	1,150	329	249
	500 to 749 lbs.	2,940	449	132	288
	750 to 999 lbs.	1,458	323	S	263
	1,000 to 9,999 lbs.	11,320	2,546	549	260
	10,000 to 49,999 lbs.	10,897	5,135	679	123
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	132	94	1	S
551114	**Corporate, subsidiary, and regional managing offices**				
	Total	**342,317**	**108,111**	**34,782**	**769**
	Less than 50 lbs.	44,985	497	436	923
	50 to 99 lbs.	10,883	263	154	583
	100 to 499 lbs.	31,734	1,851	504	292
	500 to 749 lbs.	9,108	766	203	265
	750 to 999 lbs.	6,314	614	199	319
	1,000 to 9,999 lbs.	87,483	11,576	3,375	317
	10,000 to 49,999 lbs.	125,435	54,739	S	335
	50,000 to 99,999 lbs.	12,334	S	1,467	S
	100,000 lbs. or more	14,041	20,264	8,528	1,078

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] NAICS codes shown are those covered in the Commodity Flow Survey.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 14.

Shipment Characteristics by Origin State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Origin state	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
Total	**13,852,143**	**11,299,409**	**2,969,506**	**630**
Alabama	214,750	191,500	51,227	353
Alaska	19,848	23,958	3,108	156
Arizona	147,147	117,119	16,298	819
Arkansas	114,095	121,430	30,478	334
California	1,476,407	718,345	171,432	907
Colorado	158,800	169,335	50,450	737
Connecticut	271,125	179,846	32,455	531
Delaware	42,768	25,537	2,786	424
District of Columbia	2,509	3,049	S	S
Florida	440,516	414,015	61,698	700
Georgia	395,725	272,760	62,439	472
Hawaii	22,156	25,730	S	571
Idaho	41,405	44,001	24,417	616
Illinois	825,191	606,874	149,574	517
Indiana	393,998	324,668	66,176	524
Iowa	195,992	263,357	85,170	376
Kansas	218,973	193,929	70,888	548
Kentucky	268,530	285,812	88,294	733
Louisiana	349,658	438,166	138,352	215
Maine	38,545	44,888	9,628	606
Maryland	162,416	101,222	12,042	223
Massachusetts	235,932	109,368	13,472	504
Michigan	427,177	258,965	61,455	582
Minnesota	270,394	291,694	101,362	998
Mississippi	140,334	119,048	24,662	424
Missouri	242,404	197,077	47,770	529
Montana	30,561	90,511	73,468	479
Nebraska	109,147	146,474	66,851	436
Nevada	69,591	40,254	10,176	975
New Hampshire	42,805	26,554	3,474	661
New Jersey	450,795	219,863	35,599	597
New Mexico	48,793	48,681	7,472	339
New York	545,050	317,630	42,457	537
North Carolina	385,732	220,669	47,304	573
North Dakota	45,743	88,071	31,915	228
Ohio	587,929	449,851	81,668	497
Oklahoma	169,262	217,905	51,251	531
Oregon	147,065	106,742	31,974	890
Pennsylvania	550,644	418,478	76,704	517
Rhode Island	45,575	26,719	1,882	381
South Carolina	159,760	99,936	26,526	567
South Dakota	58,621	70,357	27,891	328
Tennessee	329,399	187,514	48,264	653
Texas	1,897,658	1,686,264	243,743	481
Utah	108,593	89,129	29,911	1,201
Vermont	24,980	17,862	3,324	470
Virginia	238,576	173,461	30,082	395
Washington	296,901	183,138	46,771	1,131
West Virginia	54,759	174,741	56,674	448
Wisconsin	311,937	234,984	53,485	641
Wyoming	25,470	421,925	461,804	412

S Withheld because estimate did not meet publication standards.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 15.

Shipment Characteristics by Destination State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Destination state	Value (million dollars)	Tons (thousands)	Ton-miles[1] (millions)	Average miles per shipment
Total	**13,852,143**	**11,299,409**	**2,969,506**	**630**
Alabama	220,927	197,503	59,607	593
Alaska	28,204	25,882	8,604	1,804
Arizona	183,196	137,013	44,712	760
Arkansas	126,079	133,291	33,985	604
California	1,345,716	764,736	248,208	841
Colorado	163,758	171,172	40,203	705
Connecticut	217,466	151,471	15,035	537
Delaware	43,457	30,115	3,645	321
District of Columbia	11,716	4,154	415	552
Florida	573,292	474,621	115,608	844
Georgia	394,523	295,855	101,096	626
Hawaii	30,112	26,752	6,277	2,029
Idaho	46,389	38,359	12,618	733
Illinois	681,850	593,580	170,890	513
Indiana	366,660	342,761	78,674	423
Iowa	179,651	248,495	51,189	435
Kansas	176,345	180,735	45,280	526
Kentucky	233,765	227,861	62,249	482
Louisiana	384,512	401,479	130,340	610
Maine	50,565	38,659	9,060	848
Maryland	185,093	127,687	42,435	341
Massachusetts	250,490	129,873	24,331	636
Michigan	431,158	279,276	93,270	521
Minnesota	248,392	259,719	75,541	541
Mississippi	136,869	141,438	25,866	519
Missouri	252,509	244,489	90,962	505
Montana	70,848	46,696	24,499	1,078
Nebraska	97,518	128,810	28,007	474
Nevada	74,643	45,381	14,200	868
New Hampshire	58,731	34,381	6,137	665
New Jersey	365,357	207,688	44,882	682
New Mexico	60,143	60,980	11,868	776
New York	706,374	386,554	72,857	555
North Carolina	318,388	256,319	73,608	584
North Dakota	60,417	82,221	15,639	481
Ohio	551,213	484,691	105,341	470
Oklahoma	178,963	199,083	50,556	506
Oregon	147,458	107,304	35,295	945
Pennsylvania	527,803	419,090	93,456	487
Rhode Island	36,716	22,851	2,562	435
South Carolina	173,364	125,489	41,427	623
South Dakota	44,042	55,617	10,392	417
Tennessee	289,459	183,756	46,072	588
Texas	2,006,684	1,859,375	429,941	601
Utah	115,326	68,662	21,832	851
Vermont	27,237	22,709	3,806	628
Virginia	302,583	222,300	65,649	476
Washington	314,151	208,846	78,600	1,022
West Virginia	64,278	96,164	20,654	413
Wisconsin	268,383	257,515	73,911	466
Wyoming	29,369	49,947	8,215	750

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 16.

Shipment Characteristics of Temperature Controlled Shipments[1] by Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
All modes	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**	**204**
Single modes	**1,465,548**	**90.5**	**659,921**	**98.8**	**204,550**	**95.9**	**138**
Truck[3]	1,408,696	86.9	616,703	92.3	170,122	79.8	120
For-hire truck	727,616	44.9	296,171	44.3	141,412	66.3	501
Private truck	681,080	42.0	320,532	48.0	28,710	13.5	61
Rail	23,977	1.5	34,454	5.2	28,636	13.4	864
Water	8,133	0.5	6,997	1.0	3,646	1.7	1,156
Inland water	4,898	0.3	5,813	0.9	S	S	473
Great Lakes	0	0.0	0	0.0	0	0.0	0
Deep sea	2,859	0.2	721	0.1	879	0.4	1,158
Multiple waterways	376	Z	463	0.1	188	0.1	1,708
Air (includes truck and air)	24,323	1.5	971	0.1	1,714	0.8	1,538
Pipeline[4]	418	Z	796	0.1	S	S	S
Multiple modes	**154,616**	**9.5**	**8,304**	**1.2**	**8,744**	**4.1**	**688**
Parcel, U.S. Postal Service, or courier	144,887	8.9	502	0.1	288	0.1	686
Truck and rail	6,835	0.4	5,377	0.8	6,883	3.2	706
Truck and water	2,574	0.2	919	0.1	1,452	0.7	981
Rail and water	S	S	S	S	122	0.1	S
Other multiple modes	0	0.0	0	0.0	0	0.0	0
Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

S Withheld because estimate did not meet publication standards
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 17.

Shipment Characteristics of Temperature Controlled Shipments[1] by Total Modal Activity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Mode of transportation[2]	Ton-miles[3]		Average miles per shipment
	2012 (million dollars)	Percent of total	
Total	**213,293**	**100.0**	**201**
Truck[4]	170,917	80.1	119
Rail	35,438	16.6	779
Inland water	3,040	1.4	328
Great Lakes	S	S	757
Deep sea	2,037	1.0	1,057
Air (includes truck and air)	S	S	1,349
Pipeline[5]	S	S	S
Parcel, U.S. Postal Service, or courier	286	0.1	682
Other modes	0	0.0	0

S Withheld because estimate did not meet publication standards.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 18.

Shipment Characteristics of Temperature Controlled Shipments[1] by Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Distance shipped[2] (Based on Great Circle Distance)	Value		Tons		Ton-miles[3]	
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total
Total	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**
Less than 50 miles	528,448	32.6	256,826	38.4	6,296	3.0
50 to 99 miles	249,745	15.4	100,502	15.0	9,096	4.3
100 to 249 miles	336,574	20.8	132,871	19.9	26,096	12.2
250 to 499 miles	210,243	13.0	70,427	10.5	32,666	15.3
500 to 749 miles	102,207	6.3	39,142	5.9	30,564	14.3
750 to 999 miles	66,205	4.1	27,304	4.1	30,186	14.2
1,000 to 1,499 miles	66,632	4.1	23,563	3.5	35,523	16.7
1,500 to 1,999 miles	33,675	2.1	9,894	1.5	21,033	9.9
2,000 miles or more	26,434	1.6	7,696	1.2	21,835	10.2

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 19.

Shipment Characteristics of Temperature Controlled Shipments[1] by Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Shipment weight	Value		Tons		Ton-miles[2]		Average miles per shipment
	2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
Total	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**	**204**
Less than 50 lbs.	133,997	8.3	1,519	0.2	361	0.2	338
50 to 99 lbs.	46,571	2.9	1,812	0.3	188	0.1	104
100 to 499 lbs.	116,623	7.2	14,960	2.2	1,427	0.7	94
500 to 749 lbs.	38,969	2.4	8,769	1.3	884	0.4	100
750 to 999 lbs.	37,350	2.3	8,155	1.2	884	0.4	108
1,000 to 9,999 lbs.	419,944	25.9	130,820	19.6	24,111	11.3	163
10,000 to 49,999 lbs.	744,095	45.9	383,318	57.4	136,958	64.2	335
50,000 to 99,999 lbs.	42,318	2.6	64,988	9.7	10,316	4.8	153
100,000 lbs. or more	40,297	2.5	53,884	8.1	38,164	17.9	820

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 20.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[3]	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**	**204**
01	Live animals and live fish	652	Z	121	Z	S	S	548
02	Cereal grains (includes seed)	S	S	S	S	S	S	48
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	61,186	3.8	45,509	6.8	21,361	10.0	322
04	Animal feed, eggs, honey, and other products of animal origin	7,599	0.5	7,105	1.1	2,741	1.3	181
05	Meat, poultry, fish, seafood, and their preparations	298,454	18.4	88,965	13.3	43,080	20.2	181
06	Milled grain products and preparations and bakery products	42,097	2.6	19,724	3.0	10,306	4.8	164
07-R[4]	Other prepared foodstuffs and fats and oils	213,234	13.2	134,884	20.2	54,374	25.5	109
08-R[5]	Alcoholic beverages, and denatured alcohol	21,212	1.3	10,691	1.6	5,209	2.4	104
09	Tobacco products	3,445	0.2	126	Z	18	Z	99
10	Monumental or building stone	0	0.0	0	0.0	0	0.0	0
11	Natural sands	0	0.0	0	0.0	0	0.0	0
12	Gravel and crushed stone (excludes dolomite and slate)	S	S	74	Z	S	S	29
13	Other nonmetallic minerals, n.e.c.	72	Z	514	0.1	71	Z	S
14	Metallic ores and concentrates	S	S	S	S	S	S	30
15	Coal	0	0.0	0	0.0	0	0.0	0
17-R[6]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	1,154	0.1	1,648	0.2	1,215	0.6	S
18-R[7]	Fuel oils (includes diesel, Bunker C, and biodiesel)	S	S	S	S	S	S	584
19	Other coal and petroleum products, n.e.c.	37,662	2.3	90,976	13.6	12,742	6.0	58
20	Basic chemicals	33,796	2.1	52,893	7.9	21,078	9.9	409
21	Pharmaceutical products	332,516	20.5	2,345	0.4	1,157	0.5	614
22	Fertilizers	6,598	0.4	13,233	2.0	6,156	2.9	565
23	Chemical products and preparations, n.e.c.	20,108	1.2	6,133	0.9	3,646	1.7	607
24	Plastics and rubber	2,659	0.2	810	0.1	616	0.3	453
25	Logs and other wood in the rough	0	0.0	0	0.0	0	0.0	0
26	Wood products	S	S	S	S	S	S	S
27	Pulp, newsprint, paper, and paperboard	1	Z	S	S	S	S	S
28	Paper or paperboard articles	18	Z	4	Z	Z	Z	60
29	Printed products	S	S	S	S	1	Z	1,314
30	Textiles, leather, and articles of textiles or leather	493	Z	49	Z	30	Z	522
31	Nonmetallic mineral products	330	Z	2,693	0.4	103	Z	277
32	Base metal in primary or semifinished forms and in finished basic shapes	810	Z	S	S	42	Z	S
33	Articles of base metal	S	S	S	S	S	S	431
34	Machinery	464	Z	S	S	S	S	562
35	Electronic and other electrical equipment and components and office equipment	S	S	S	S	S	S	S
36	Motorized and other vehicles (including parts)	0	0.0	0	0.0	0	0.0	0
37	Transportation equipment, n.e.c.	S	S	S	S	S	S	S
38	Precision instruments and apparatus	4,045	0.2	79	Z	99	Z	674
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	270	Z	S	S	S	S	657
40	Miscellaneous manufactured products	S	S	42	Z	25	Z	505
41	Waste and scrap	S	S	S	S	S	S	S
43	Mixed freight	529,281	32.7	187,669	28.1	28,825	13.5	108
99	Commodity unknown	24	Z	S	S	S	S	94

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.
[3] Estimates exclude shipments of crude petroleum (SCTG 16).
[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[3]							
	All modes	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**	**204**
	Single modes	**1,465,548**	**90.5**	**659,921**	**98.8**	**204,550**	**95.9**	**138**
	Truck[4]	1,408,696	86.9	616,703	92.3	170,122	79.8	120
	For-hire truck	727,616	44.9	296,171	44.3	141,412	66.3	501
	Private truck	681,080	42.0	320,532	48.0	28,710	13.5	61
	Rail	23,977	1.5	34,454	5.2	28,636	13.4	864
	Water	8,133	0.5	6,997	1.0	3,646	1.7	1,156
	Inland water	4,898	0.3	5,813	0.9	S	S	473
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	2,859	0.2	721	0.1	879	0.4	1,158
	Multiple waterways	376	Z	463	0.1	188	0.1	1,708
	Air (includes truck and air)	24,323	1.5	971	0.1	1,714	0.8	1,538
	Pipeline[5]	418	Z	796	0.1	S	S	S
	Multiple modes	**154,616**	**9.5**	**8,304**	**1.2**	**8,744**	**4.1**	**688**
	Parcel, U.S. Postal Service, or courier	144,887	8.9	502	0.1	288	0.1	686
	Truck and rail	6,835	0.4	5,377	0.8	6,883	3.2	706
	Truck and water	2,574	0.2	919	0.1	1,452	0.7	981
	Rail and water	S	S	S	S	122	0.1	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
01	**Live animals and live fish**							
	All modes	**652**	**100.0**	**121**	**100.0**	**S**	**S**	**548**
	Single modes	**618**	**94.7**	**119**	**97.8**	**S**	**S**	**502**
	Truck[4]	381	58.4	84	69.1	12	16.0	S
	For-hire truck	85	13.0	8	6.3	5	6.8	739
	Private truck	296	45.4	76	62.8	7	9.1	94
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,743
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**35**	**5.3**	**3**	**2.2**	**S**	**S**	**839**
	Parcel, U.S. Postal Service, or courier	35	5.3	3	2.2	S	S	839
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
02	**Cereal grains (includes seed)**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**48**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**48**
	Truck[4]	S	S	S	S	S	S	46
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	S	S	S	S	S	S	46
	Rail	S	S	S	S	S	S	S
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**							
	All modes	**61,186**	**100.0**	**45,509**	**100.0**	**21,361**	**100.0**	**322**
	Single modes	**60,826**	**99.4**	**45,413**	**99.8**	**21,196**	**99.2**	**202**
	Truck[4]	60,301	98.6	44,778	98.4	19,714	92.3	173
	For-hire truck	25,758	42.1	22,316	49.0	18,008	84.3	868
	Private truck	34,543	56.5	22,462	49.4	1,706	8.0	48
	Rail	200	0.3	572	1.3	1,418	6.6	2,460
	Water	29	Z	18	Z	S	S	1,594
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	29	Z	18	Z	S	S	1,594
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	295	0.5	45	0.1	50	0.2	2,384
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**361**	**0.6**	**96**	**0.2**	**166**	**0.8**	**1,343**
	Parcel, U.S. Postal Service, or courier	305	0.5	50	0.1	65	0.3	1,345
	Truck and rail	14	Z	S	S	S	S	1,989
	Truck and water	42	0.1	20	Z	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
04	**Animal feed, eggs, honey, and other products of animal origin**							
	All modes	**7,599**	**100.0**	**7,105**	**100.0**	**2,741**	**100.0**	**181**
	Single modes	**7,440**	**97.9**	**6,916**	**97.3**	**2,573**	**93.9**	**160**
	Truck[4]	6,844	90.1	5,936	83.6	1,365	49.8	102
	For-hire truck	2,697	35.5	2,602	36.6	1,002	36.6	362
	Private truck	4,148	54.6	3,334	46.9	362	13.2	74
	Rail	S	S	S	S	S	S	S
	Water	S	S	S	S	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,364
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**159**	**2.1**	**S**	**S**	**S**	**S**	**810**
	Parcel, U.S. Postal Service, or courier	43	0.6	S	S	2	0.1	849
	Truck and rail	112	1.5	S	S	S	S	1,077
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
05	**Meat, poultry, fish, seafood, and their preparations**							
	All modes	**298,454**	**100.0**	**88,965**	**100.0**	**43,080**	**100.0**	**181**
	Single modes	**296,090**	**99.2**	**88,226**	**99.2**	**42,455**	**98.5**	**161**
	Truck[4]	293,626	98.4	87,603	98.5	42,039	97.6	141
	For-hire truck	187,947	63.0	57,660	64.8	39,135	90.8	546
	Private truck	105,678	35.4	29,943	33.7	2,904	6.7	58
	Rail	568	0.2	358	0.4	S	S	S
	Water	1,042	0.3	194	0.2	192	0.4	1,396
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	1,034	0.3	190	0.2	191	0.4	1,400
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	854	0.3	71	0.1	121	0.3	2,702
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**2,364**	**0.8**	**739**	**0.8**	**625**	**1.5**	**738**
	Parcel, U.S. Postal Service, or courier	259	0.1	20	Z	12	Z	791
	Truck and rail	1,313	0.4	519	0.6	449	1.0	S
	Truck and water	791	0.3	S	S	163	0.4	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
06	**Milled grain products and preparations and bakery products**							
	All modes	**42,097**	**100.0**	**19,724**	**100.0**	**10,306**	**100.0**	**164**
	Single modes	**41,858**	**99.4**	**19,628**	**99.5**	**10,142**	**98.4**	**144**
	Truck[4]	41,779	99.2	19,544	99.1	10,064	97.6	144
	For-hire truck	26,481	62.9	12,399	62.9	9,229	89.5	638
	Private truck	15,298	36.3	7,146	36.2	835	8.1	71
	Rail	69	0.2	81	0.4	75	0.7	1,301
	Water	3	Z	S	S	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	3	Z	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**239**	**0.6**	**S**	**S**	**S**	**S**	**1,013**
	Parcel, U.S. Postal Service, or courier	43	0.1	3	Z	2	Z	1,034
	Truck and rail	178	0.4	87	0.4	S	S	S
	Truck and water	S	S	S	S	S	S	453
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
07-R[6]	**Other prepared foodstuffs and fats and oils**							
	All modes	**213,234**	**100.0**	**134,884**	**100.0**	**54,374**	**100.0**	**109**
	Single modes	**209,313**	**98.2**	**131,667**	**97.6**	**49,611**	**91.2**	**95**
	Truck[4]	204,217	95.8	125,790	93.3	43,597	80.2	92
	For-hire truck	127,196	59.7	69,563	51.6	38,601	71.0	446
	Private truck	77,021	36.1	56,228	41.7	4,996	9.2	51
	Rail	4,454	2.1	5,391	4.0	5,731	10.5	1,172
	Water	496	0.2	469	0.3	264	0.5	1,729
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	220	0.1	181	0.1	169	0.3	1,737
	Multiple waterways	S	S	S	S	S	S	972
	Air (includes truck and air)	145	0.1	17	Z	S	S	1,022
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**3,922**	**1.8**	**3,217**	**2.4**	**4,763**	**8.8**	**971**
	Parcel, U.S. Postal Service, or courier	255	0.1	17	Z	14	Z	931
	Truck and rail	3,279	1.5	3,041	2.3	4,360	8.0	1,436
	Truck and water	S	S	159	0.1	S	S	1,628
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
08-R[7]	**Alcoholic beverages, and denatured alcohol**							
	All modes	**21,212**	**100.0**	**10,691**	**100.0**	**5,209**	**100.0**	**104**
	Single modes	**20,783**	**98.0**	**10,490**	**98.1**	**4,842**	**92.9**	**100**
	Truck[4]	20,502	96.7	10,306	96.4	4,472	85.8	99
	For-hire truck	10,306	48.6	6,035	56.4	4,325	83.0	336
	Private truck	10,197	48.1	4,271	39.9	146	2.8	42
	Rail	203	1.0	167	1.6	344	6.6	2,089
	Water	28	0.1	12	0.1	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	28	0.1	12	0.1	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	1	Z	S
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**429**	**2.0**	**200**	**1.9**	**367**	**7.1**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	314	1.5	145	1.4	283	5.4	2,781
	Truck and water	101	0.5	54	0.5	84	1.6	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
09	**Tobacco products**							
	All modes	**3,445**	**100.0**	**126**	**100.0**	**18**	**100.0**	**99**
	Single modes	**3,445**	**100.0**	**126**	**100.0**	**18**	**100.0**	**99**
	Truck[4]	3,445	100.0	126	100.0	18	100.0	99
	For-hire truck	62	1.8	6	4.4	4	21.0	S
	Private truck	3,383	98.2	121	95.6	14	79.0	98
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
10	**Monumental or building stone**							
	All modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Single modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Truck[4]	0	0.0	0	0.0	0	0.0	0
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
11	**Natural sands**							
	All modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Single modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Truck[4]	0	0.0	0	0.0	0	0.0	0
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
12	**Gravel and crushed stone (excludes dolomite and slate)**							
	All modes	**S**	**S**	**74**	**100.0**	**S**	**S**	**29**
	Single modes	**S**	**S**	**74**	**100.0**	**S**	**S**	**29**
	Truck[4]	S	S	74	100.0	S	S	29
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	S	S	74	100.0	S	S	29
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
13	**Other nonmetallic minerals, n.e.c.**							
	All modes	**72**	**100.0**	**514**	**100.0**	**71**	**100.0**	**S**
	Single modes	**72**	**100.0**	**514**	**100.0**	**71**	**100.0**	**S**
	Truck[4]	65	90.7	461	89.7	7	9.8	S
	For-hire truck	65	90.5	461	89.7	7	9.8	S
	Private truck	S	S	S	S	S	S	S
	Rail	7	9.3	53	10.3	65	90.2	1,215
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
14	**Metallic ores and concentrates**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**30**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**30**
	Truck[4]	S	S	S	S	S	S	30
	For-hire truck	S	S	S	S	S	S	30
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
15	**Coal**							
	All modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Single modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Truck[4]	0	0.0	0	0.0	0	0.0	0
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
17-R[8]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**							
	All modes	**1,154**	**100.0**	**1,648**	**100.0**	**1,215**	**100.0**	**S**
	Single modes	**1,015**	**88.0**	**1,472**	**89.3**	**1,002**	**82.5**	**S**
	Truck[4]	450	39.0	657	39.9	48	3.9	74
	For-hire truck	309	26.8	443	26.9	31	2.6	S
	Private truck	141	12.2	214	13.0	17	1.4	79
	Rail	500	43.4	724	43.9	819	67.4	1,113
	Water	65	5.6	90	5.5	135	11.1	1,504
	Inland water	65	5.6	90	5.5	135	11.1	1,504
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**177**	**10.7**	**S**	**S**	**973**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	27	2.3	37	2.3	39	3.2	S
	Truck and water	S	S	S	S	S	S	1,251
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
18-R[9]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**584**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**584**
	Truck[4]	36	54.4	28	53.8	S	S	577
	For-hire truck	19	29.2	15	28.9	S	S	1,055
	Private truck	17	25.2	13	25.0	1	4.4	101
	Rail	S	S	S	S	S	S	S
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
19	**Other coal and petroleum products, n.e.c.**							
	All modes	**37,662**	**100.0**	**90,976**	**100.0**	**12,742**	**100.0**	**58**
	Single modes	**37,340**	**99.1**	**89,470**	**98.3**	**12,620**	**99.0**	**58**
	Truck[4]	32,395	86.0	80,061	88.0	6,311	49.5	49
	For-hire truck	24,530	65.1	50,901	55.9	5,165	40.5	104
	Private truck	7,864	20.9	29,161	32.1	1,146	9.0	23
	Rail	3,627	9.6	7,546	8.3	5,962	46.8	802
	Water	1,256	3.3	1,746	1.9	341	2.7	160
	Inland water	1,133	3.0	1,502	1.7	302	2.4	160
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	S	S	S	S	S	S	S
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	Z	Z	S
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	S	S	S	S	122	1.0	S
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
20	**Basic chemicals**							
	All modes	**33,796**	**100.0**	**52,893**	**100.0**	**21,078**	**100.0**	**409**
	Single modes	**32,969**	**97.6**	**52,710**	**99.7**	**20,916**	**99.2**	**282**
	Truck[4]	20,906	61.9	39,797	75.2	10,396	49.3	218
	For-hire truck	14,933	44.2	14,693	27.8	7,846	37.2	559
	Private truck	5,972	17.7	25,104	47.5	2,550	12.1	61
	Rail	7,990	23.6	10,141	19.2	8,479	40.2	823
	Water	3,355	9.9	2,758	5.2	S	S	745
	Inland water	3,355	9.9	2,758	5.2	S	S	745
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	822
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**827**	**2.4**	**S**	**S**	**S**	**S**	**554**
	Parcel, U.S. Postal Service, or courier	794	2.4	34	0.1	11	0.1	553
	Truck and rail	13	Z	S	S	S	S	S
	Truck and water	20	0.1	2	Z	7	Z	3,094
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
21	**Pharmaceutical products**							
	All modes	**332,516**	**100.0**	**2,345**	**100.0**	**1,157**	**100.0**	**614**
	Single modes	**192,780**	**58.0**	**2,122**	**90.5**	**1,048**	**90.6**	**559**
	Truck[4]	174,408	52.5	2,031	86.6	942	81.4	245
	For-hire truck	157,180	47.3	1,509	64.4	888	76.8	329
	Private truck	17,227	5.2	522	22.2	54	4.7	61
	Rail	184	0.1	20	0.9	41	3.6	1,970
	Water	S	S	S	S	S	S	S
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	18,045	5.4	61	2.6	65	5.6	1,347
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**139,736**	**42.0**	**223**	**9.5**	**108**	**9.4**	**630**
	Parcel, U.S. Postal Service, or courier	139,717	42.0	222	9.5	105	9.1	630
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	S	S	1	Z	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
22	**Fertilizers**							
	All modes	**6,598**	**100.0**	**13,233**	**100.0**	**6,156**	**100.0**	**565**
	Single modes	**6,326**	**95.9**	**12,623**	**95.4**	**5,714**	**92.8**	**425**
	Truck[4]	1,855	28.1	4,158	31.4	983	16.0	368
	For-hire truck	1,306	19.8	2,473	18.7	826	13.4	494
	Private truck	549	8.3	1,686	12.7	158	2.6	86
	Rail	3,869	58.6	6,429	48.6	4,204	68.3	658
	Water	S	S	S	S	S	S	S
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	356	5.4	679	5.1	S	S	S
	Multiple modes	**S**	**S**	**610**	**4.6**	**S**	**S**	**902**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	900
	Truck and rail	S	S	608	4.6	S	S	715
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
23	**Chemical products and preparations, n.e.c.**							
	All modes	**20,108**	**100.0**	**6,133**	**100.0**	**3,646**	**100.0**	**607**
	Single modes	**18,762**	**93.3**	**5,787**	**94.4**	**3,103**	**85.1**	**571**
	Truck[4]	16,364	81.4	5,078	82.8	2,539	69.6	509
	For-hire truck	13,048	64.9	3,698	60.3	2,259	62.0	769
	Private truck	3,317	16.5	1,381	22.5	S	S	91
	Rail	950	4.7	627	10.2	432	11.9	687
	Water	S	S	S	S	S	S	1,914
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	1,399	7.0	S	S	S	S	921
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**1,346**	**6.7**	**346**	**5.6**	**543**	**14.9**	**647**
	Parcel, U.S. Postal Service, or courier	542	2.7	14	0.2	11	0.3	643
	Truck and rail	801	4.0	331	5.4	527	14.4	1,349
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
24	**Plastics and rubber**							
	All modes	**2,659**	**100.0**	**810**	**100.0**	**616**	**100.0**	**453**
	Single modes	**1,924**	**72.4**	**733**	**90.5**	**580**	**94.1**	**398**
	Truck[4]	1,897	71.3	732	90.4	579	93.9	383
	For-hire truck	1,646	61.9	642	79.3	556	90.2	600
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	1,188
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**735**	**27.6**	**77**	**9.5**	**36**	**5.9**	**457**
	Parcel, U.S. Postal Service, or courier	708	26.6	64	7.9	30	4.8	457
	Truck and rail	27	1.0	S	S	S	S	S
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
25	**Logs and other wood in the rough**							
	All modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Single modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Truck[4]	0	0.0	0	0.0	0	0.0	0
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
26	**Wood products**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
27	**Pulp, newsprint, paper, and paperboard**							
	All modes	**1**	**100.0**	**S**	**S**	**S**	**S**	**S**
	Single modes	**Z**	**51.4**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	Z	51.4	S	S	S	S	S
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	Z	51.4	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
28	**Paper or paperboard articles**							
	All modes	**18**	**100.0**	**4**	**100.0**	**Z**	**100.0**	**60**
	Single modes	**16**	**88.7**	**4**	**90.8**	**Z**	**80.7**	**46**
	Truck[4]	16	88.7	4	90.8	Z	80.7	46
	For-hire truck	S	S	S	S	S	S	13
	Private truck	14	81.0	4	86.5	Z	79.6	48
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
29	**Printed products**							
	All modes	**S**	**S**	**S**	**S**	**1**	**100.0**	**1,314**
	Single modes	**S**	**S**	**S**	**S**	**Z**	**86.1**	**1,291**
	Truck[4]	S	S	S	S	Z	86.1	1,291
	For-hire truck	S	S	S	S	Z	86.1	1,291
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**2**	**12.0**	**Z**	**8.9**	**S**	**S**	**1,346**
	Parcel, U.S. Postal Service, or courier	2	12.0	Z	8.9	S	S	1,346
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
30	**Textiles, leather, and articles of textiles or leather**							
	All modes	**493**	**100.0**	**49**	**100.0**	**30**	**100.0**	**522**
	Single modes	**471**	**95.5**	**41**	**82.8**	**24**	**78.5**	**991**
	Truck[4]	355	71.9	39	78.1	20	67.1	808
	For-hire truck	348	70.6	S	S	S	S	1,021
	Private truck	7	1.3	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	117	23.6	S	S	S	S	1,254
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
31	**Nonmetallic mineral products**							
	All modes	**330**	**100.0**	**2,693**	**100.0**	**103**	**100.0**	**277**
	Single modes	**297**	**90.2**	**2,689**	**99.9**	**99**	**96.5**	**S**
	Truck[4]	297	90.2	2,689	99.9	99	96.5	S
	For-hire truck	106	32.3	S	S	34	33.2	S
	Private truck	191	57.9	2,245	83.4	65	63.3	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**32**	**9.8**	**4**	**0.1**	**4**	**3.5**	**S**
	Parcel, U.S. Postal Service, or courier	29	8.7	3	0.1	1	1.2	358
	Truck and rail	4	1.2	1	Z	2	2.3	3,200
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
32	**Base metal in primary or semifinished forms and in finished basic shapes**							
	All modes	**810**	**100.0**	**S**	**S**	**42**	**100.0**	**S**
	Single modes	**681**	**84.2**	**169**	**94.1**	**38**	**92.5**	**446**
	Truck[4]	624	77.1	169	93.8	38	91.0	418
	For-hire truck	612	75.6	S	S	37	89.7	427
	Private truck	13	1.6	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	971
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
33	**Articles of base metal**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**431**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	1	2.7	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**437**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	437
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
34	**Machinery**							
	All modes	**464**	**100.0**	**S**	**S**	**S**	**S**	**562**
	Single modes	**371**	**79.9**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	362	78.0	S	S	S	S	S
	For-hire truck	346	74.4	S	S	S	S	S
	Private truck	17	3.6	4	8.6	Z	0.5	22
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**1**	**2.5**	**690**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	1	2.5	690
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
35	**Electronic and other electrical equipment and components and office equipment**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
36	**Motorized and other vehicles (including parts)**							
	All modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Single modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Truck[4]	0	0.0	0	0.0	0	0.0	0
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	0	0.0	0	0.0	0	0.0	0
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
37	**Transportation equipment, n.e.c.**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
38	**Precision instruments and apparatus**							
	All modes	**4,045**	**100.0**	**79**	**100.0**	**99**	**100.0**	**674**
	Single modes	**2,986**	**73.8**	**76**	**96.0**	**96**	**97.9**	**878**
	Truck[4]	1,794	44.3	73	92.4	94	95.3	S
	For-hire truck	1,716	42.4	70	88.6	94	95.2	756
	Private truck	78	1.9	3	3.8	Z	0.1	51
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	1,192	29.5	3	3.6	3	2.7	1,177
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**1,059**	**26.2**	**3**	**4.0**	**2**	**2.1**	**540**
	Parcel, U.S. Postal Service, or courier	1,059	26.2	3	4.0	2	2.1	540
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**							
	All modes	**270**	**100.0**	**S**	**S**	**S**	**S**	**657**
	Single modes	**238**	**88.4**	**S**	**S**	**S**	**S**	**505**
	Truck[4]	238	88.4	S	S	S	S	505
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**763**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	763
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
40	**Miscellaneous manufactured products**							
	All modes	**S**	**S**	**42**	**100.0**	**25**	**100.0**	**505**
	Single modes	**S**	**S**	**41**	**96.8**	**25**	**99.0**	**S**
	Truck[4]	S	S	41	96.8	25	98.9	S
	For-hire truck	S	S	30	71.9	24	98.2	1,055
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	S	S	S	S	Z	0.1	1,795
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**653**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	653
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
41	**Waste and scrap**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	S	S	S	S	S	S	S
	Rail	0	0.0	0	0.0	0	0.0	0
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
43	**Mixed freight**							
	All modes	**529,281**	**100.0**	**187,669**	**100.0**	**28,825**	**100.0**	**108**
	Single modes	**527,130**	**99.6**	**187,069**	**99.7**	**27,988**	**97.1**	**101**
	Truck[4]	524,146	99.0	186,086	99.2	26,533	92.0	98
	For-hire truck	129,425	24.5	49,687	26.5	13,098	45.4	380
	Private truck	394,721	74.6	136,399	72.7	13,435	46.6	72
	Rail	S	S	S	S	S	S	S
	Water	1,400	0.3	309	0.2	493	1.7	1,037
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	1,379	0.3	303	0.2	477	1.7	1,035
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	S	S	S	S	1,726
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**2,152**	**0.4**	**601**	**0.3**	**837**	**2.9**	**635**
	Parcel, U.S. Postal Service, or courier	592	0.1	S	S	S	S	589
	Truck and rail	S	S	S	S	264	0.9	S
	Truck and water	1,076	0.2	334	0.2	561	1.9	1,106
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

See footnotes at end of table.

Table 21.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
99	**Commodity unknown**							
	All modes	**24**	**100.0**	**S**	**S**	**S**	**S**	**94**
	Single modes	**24**	**100.0**	**S**	**S**	**S**	**S**	**94**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0	0.0	0	0.0	0	0.0	0
	Private truck	S	S	S	S	S	S	S
	Rail	S	S	S	S	S	S	S
	Water	0	0.0	0	0.0	0	0.0	0
	Inland water	0	0.0	0	0.0	0	0.0	0
	Great Lakes	0	0.0	0	0.0	0	0.0	0
	Deep sea	0	0.0	0	0.0	0	0.0	0
	Multiple waterways	0	0.0	0	0.0	0	0.0	0
	Air (includes truck and air)	0	0.0	0	0.0	0	0.0	0
	Pipeline[5]	0	0.0	0	0.0	0	0.0	0
	Multiple modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0.0	0	0.0	0	0.0	0
	Truck and rail	0	0.0	0	0.0	0	0.0	0
	Truck and water	0	0.0	0	0.0	0	0.0	0
	Rail and water	0	0.0	0	0.0	0	0.0	0
	Other multiple modes	0	0.0	0	0.0	0	0.0	0
	Other modes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] Estimates exclude shipments of crude petroleum (SCTG 16).
[4] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[6] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[7] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[8] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[9] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
	All commodities[4]			
	Total	**1,620,164**	**668,225**	**213,293**
	Less than 50 miles	528,448	256,826	6,296
	50 to 99 miles	249,745	100,502	9,096
	100 to 249 miles	336,574	132,871	26,096
	250 to 499 miles	210,243	70,427	32,666
	500 to 749 miles	102,207	39,142	30,564
	750 to 999 miles	66,205	27,304	30,186
	1,000 to 1,499 miles	66,632	23,563	35,523
	1,500 to 1,999 miles	33,675	9,894	21,033
	2,000 miles or more	26,434	7,696	21,835
01	**Live animals and live fish**			
	Total	**652**	**121**	**S**
	Less than 50 miles	213	45	S
	50 to 99 miles	S	S	S
	100 to 249 miles	45	S	S
	250 to 499 miles	58	9	3
	500 to 749 miles	36	4	3
	750 to 999 miles	19	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
02	**Cereal grains (includes seed)**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**			
	Total	**61,186**	**45,509**	**21,361**
	Less than 50 miles	25,972	17,887	384
	50 to 99 miles	8,516	5,504	484
	100 to 249 miles	9,989	6,784	1,366
	250 to 499 miles	4,568	3,957	1,738
	500 to 749 miles	2,117	2,285	1,702
	750 to 999 miles	2,390	2,492	2,682
	1,000 to 1,499 miles	3,158	3,325	4,872
	1,500 to 1,999 miles	1,901	1,731	3,833
	2,000 miles or more	2,575	1,543	4,300
04	**Animal feed, eggs, honey, and other products of animal origin**			
	Total	**7,599**	**7,105**	**2,741**
	Less than 50 miles	2,422	2,047	61
	50 to 99 miles	1,255	1,189	114
	100 to 249 miles	1,753	1,605	321
	250 to 499 miles	832	832	449
	500 to 749 miles	665	S	S
	750 to 999 miles	273	203	226
	1,000 to 1,499 miles	196	84	130
	1,500 to 1,999 miles	138	S	S
	2,000 miles or more	S	S	S
05	**Meat, poultry, fish, seafood, and their preparations**			
	Total	**298,454**	**88,965**	**43,080**
	Less than 50 miles	81,225	23,234	548
	50 to 99 miles	29,155	9,558	900
	100 to 249 miles	46,419	15,169	3,159
	250 to 499 miles	49,344	15,720	7,180
	500 to 749 miles	32,508	10,118	7,788
	750 to 999 miles	20,416	5,327	5,645
	1,000 to 1,499 miles	25,476	6,283	9,058
	1,500 to 1,999 miles	8,056	2,086	4,250
	2,000 miles or more	5,855	1,470	4,552
06	**Milled grain products and preparations and bakery products**			
	Total	**42,097**	**19,724**	**10,306**
	Less than 50 miles	11,750	5,271	127
	50 to 99 miles	3,709	1,613	142
	100 to 249 miles	6,449	3,338	674
	250 to 499 miles	6,237	3,201	1,467
	500 to 749 miles	4,949	2,477	1,883
	750 to 999 miles	2,933	1,365	1,436
	1,000 to 1,499 miles	2,682	1,295	1,884
	1,500 to 1,999 miles	2,114	734	1,539
	2,000 miles or more	1,274	430	1,153

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
07-R[5]	**Other prepared foodstuffs and fats and oils**			
	Total	**213,234**	**134,884**	**54,374**
	Less than 50 miles	63,957	45,678	1,080
	50 to 99 miles	24,030	19,229	1,711
	100 to 249 miles	39,940	24,506	4,880
	250 to 499 miles	28,585	15,949	7,051
	500 to 749 miles	19,541	10,631	8,395
	750 to 999 miles	11,984	6,614	7,234
	1,000 to 1,499 miles	11,987	6,623	10,183
	1,500 to 1,999 miles	7,476	3,092	6,674
	2,000 miles or more	5,736	2,562	7,168
08-R[6]	**Alcoholic beverages, and denatured alcohol**			
	Total	**21,212**	**10,691**	**5,209**
	Less than 50 miles	10,540	4,432	84
	50 to 99 miles	2,712	993	96
	100 to 249 miles	2,199	1,081	210
	250 to 499 miles	1,491	1,140	506
	500 to 749 miles	1,215	1,069	853
	750 to 999 miles	965	874	1,008
	1,000 to 1,499 miles	513	382	558
	1,500 to 1,999 miles	422	203	424
	2,000 miles or more	1,155	517	1,472
09	**Tobacco products**			
	Total	**3,445**	**126**	**18**
	Less than 50 miles	884	36	1
	50 to 99 miles	979	34	3
	100 to 249 miles	1,514	53	10
	250 to 499 miles	42	2	1
	500 to 749 miles	Z	Z	S
	750 to 999 miles	9	1	1
	1,000 to 1,499 miles	16	1	2
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0	0	0
10	**Monumental or building stone**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
11	**Natural sands**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
12	**Gravel and crushed stone (excludes dolomite and slate)**			
	Total	**S**	**74**	**S**
	Less than 50 miles	S	74	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
13	**Other nonmetallic minerals, n.e.c.**			
	Total	**72**	**514**	**71**
	Less than 50 miles	49	454	3
	50 to 99 miles	0	0	0
	100 to 249 miles	S	S	S
	250 to 499 miles	S	15	S
	500 to 749 miles	1	7	5
	750 to 999 miles	3	25	33
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
14	**Metallic ores and concentrates**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
15	**Coal**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
17-R[7]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**			
	Total	**1,154**	**1,648**	**1,215**
	Less than 50 miles	305	437	22
	50 to 99 miles	117	177	13
	100 to 249 miles	S	S	S
	250 to 499 miles	133	179	153
	500 to 749 miles	S	S	S
	750 to 999 miles	440	627	728
	1,000 to 1,499 miles	121	172	272
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
18-R[8]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
19	**Other coal and petroleum products, n.e.c.**			
	Total	**37,662**	**90,976**	**12,742**
	Less than 50 miles	17,516	55,347	955
	50 to 99 miles	5,723	10,146	954
	100 to 249 miles	9,585	17,440	3,226
	250 to 499 miles	2,318	4,006	2,135
	500 to 749 miles	783	1,336	1,290
	750 to 999 miles	1,120	1,892	2,838
	1,000 to 1,499 miles	501	719	1,125
	1,500 to 1,999 miles	44	40	87
	2,000 miles or more	72	49	131
20	**Basic chemicals**			
	Total	**33,796**	**52,893**	**21,078**
	Less than 50 miles	6,782	15,317	392
	50 to 99 miles	2,950	8,017	730
	100 to 249 miles	4,097	9,335	1,818
	250 to 499 miles	9,580	7,471	4,365
	500 to 749 miles	3,258	S	S
	750 to 999 miles	3,867	4,693	4,997
	1,000 to 1,499 miles	2,350	2,005	3,100
	1,500 to 1,999 miles	504	540	1,153
	2,000 miles or more	408	159	457
21	**Pharmaceutical products**			
	Total	**332,516**	**2,345**	**1,157**
	Less than 50 miles	88,447	607	20
	50 to 99 miles	53,843	416	39
	100 to 249 miles	68,888	384	85
	250 to 499 miles	58,658	292	131
	500 to 749 miles	23,538	203	154
	750 to 999 miles	13,908	150	160
	1,000 to 1,499 miles	10,606	154	238
	1,500 to 1,999 miles	8,936	95	207
	2,000 miles or more	5,690	45	122

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
22	**Fertilizers**			
	Total	**6,598**	**13,233**	**6,156**
	Less than 50 miles	1,072	3,225	86
	50 to 99 miles	350	729	69
	100 to 249 miles	1,221	2,299	570
	250 to 499 miles	1,893	3,596	1,743
	500 to 749 miles	858	1,468	1,195
	750 to 999 miles	587	1,120	1,142
	1,000 to 1,499 miles	S	766	1,282
	1,500 to 1,999 miles	20	28	61
	2,000 miles or more	3	S	S
23	**Chemical products and preparations, n.e.c.**			
	Total	**20,108**	**6,133**	**3,646**
	Less than 50 miles	4,159	735	17
	50 to 99 miles	676	443	45
	100 to 249 miles	3,053	1,596	342
	250 to 499 miles	3,582	1,370	662
	500 to 749 miles	1,899	756	585
	750 to 999 miles	2,510	502	598
	1,000 to 1,499 miles	2,255	443	692
	1,500 to 1,999 miles	625	124	254
	2,000 miles or more	1,348	165	450
24	**Plastics and rubber**			
	Total	**2,659**	**810**	**616**
	Less than 50 miles	201	55	S
	50 to 99 miles	96	57	5
	100 to 249 miles	487	73	15
	250 to 499 miles	715	S	S
	500 to 749 miles	468	155	119
	750 to 999 miles	289	35	36
	1,000 to 1,499 miles	187	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
25	**Logs and other wood in the rough**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
26	**Wood products**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
27	**Pulp, newsprint, paper, and paperboard**			
	Total	**1**	**S**	**S**
	Less than 50 miles	1	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
28	**Paper or paperboard articles**			
	Total	**18**	**4**	**Z**
	Less than 50 miles	13	3	Z
	50 to 99 miles	5	1	Z
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
29	**Printed products**			
	Total	**S**	**S**	**1**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	S	S	S
	500 to 749 miles	4	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
30	**Textiles, leather, and articles of textiles or leather**			
	Total	**493**	**49**	**30**
	Less than 50 miles	S	S	S
	50 to 99 miles	26	S	S
	100 to 249 miles	7	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	75	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	76	2	3
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	63	1	4
31	**Nonmetallic mineral products**			
	Total	**330**	**2,693**	**103**
	Less than 50 miles	231	2,483	50
	50 to 99 miles	23	S	S
	100 to 249 miles	13	S	S
	250 to 499 miles	7	2	1
	500 to 749 miles	4	1	1
	750 to 999 miles	6	2	S
	1,000 to 1,499 miles	13	2	3
	1,500 to 1,999 miles	S	1	1
	2,000 miles or more	31	7	22
32	**Base metal in primary or semifinished forms and in finished basic shapes**			
	Total	**810**	**S**	**42**
	Less than 50 miles	91	7	Z
	50 to 99 miles	S	S	S
	100 to 249 miles	168	57	11
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	18	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
33	**Articles of base metal**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	S	S	S
34	**Machinery**			
	Total	**464**	**S**	**S**
	Less than 50 miles	42	5	Z
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	142	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	15	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0	0	0
35	**Electronic and other electrical equipment and components and office equipment**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
36	**Motorized and other vehicles (including parts)**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
37	**Transportation equipment, n.e.c.**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
38	**Precision instruments and apparatus**			
	Total	**4,045**	**79**	**99**
	Less than 50 miles	417	4	Z
	50 to 99 miles	S	S	S
	100 to 249 miles	331	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	401	S	S
	750 to 999 miles	313	4	4
	1,000 to 1,499 miles	1,326	32	52
	1,500 to 1,999 miles	334	S	S
	2,000 miles or more	382	S	S
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**			
	Total	**270**	**S**	**S**
	Less than 50 miles	7	1	Z
	50 to 99 miles	S	S	S
	100 to 249 miles	21	3	1
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	S	S	S
40	**Miscellaneous manufactured products**			
	Total	**S**	**42**	**25**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	10	2
	250 to 499 miles	S	Z	Z
	500 to 749 miles	138	12	9
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	Z	1
41	**Waste and scrap**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
43	**Mixed freight**			
	Total	**529,281**	**187,669**	**28,825**
	Less than 50 miles	211,143	78,093	2,395
	50 to 99 miles	114,907	42,003	3,755
	100 to 249 miles	139,894	48,985	9,367
	250 to 499 miles	41,491	12,349	4,893
	500 to 749 miles	9,528	2,394	1,764
	750 to 999 miles	3,876	1,200	1,249
	1,000 to 1,499 miles	4,115	1,154	1,889
	1,500 to 1,999 miles	2,790	971	2,034
	2,000 miles or more	1,538	521	1,479

See footnotes at end of table.

Table 22.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and distance shipped[2]	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
99	**Commodity unknown**			
	Total	**24**	**S**	**S**
	Less than 50 miles	0	0	0
	50 to 99 miles	24	S	S
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] Estimates exclude shipments of crude petroleum (SCTG 16).
[5] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[6] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[7] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[8] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
	All commodities[3]				
	Total	**1,620,164**	**668,225**	**213,293**	**204**
	Less than 50 lbs.	133,997	1,519	361	338
	50 to 99 lbs.	46,571	1,812	188	104
	100 to 499 lbs.	116,623	14,960	1,427	94
	500 to 749 lbs.	38,969	8,769	884	100
	750 to 999 lbs.	37,350	8,155	884	108
	1,000 to 9,999 lbs.	419,944	130,820	24,111	163
	10,000 to 49,999 lbs.	744,095	383,318	136,958	335
	50,000 to 99,999 lbs.	42,318	64,988	10,316	153
	100,000 lbs. or more	40,297	53,884	38,164	820
01	**Live animals and live fish**				
	Total	**652**	**121**	**S**	**548**
	Less than 50 lbs.	48	2	1	627
	50 to 99 lbs.	74	8	S	S
	100 to 499 lbs.	338	66	S	591
	500 to 749 lbs.	53	14	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	101	19	S	855
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0	0	0	0
02	**Cereal grains (includes seed)**				
	Total	**S**	**S**	**S**	**48**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	Z	29
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	S	S	S	S
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**				
	Total	**61,186**	**45,509**	**21,361**	**322**
	Less than 50 lbs.	1,651	210	108	619
	50 to 99 lbs.	1,272	270	30	109
	100 to 499 lbs.	6,489	2,208	239	104
	500 to 749 lbs.	2,303	992	128	126
	750 to 999 lbs.	1,675	775	90	114
	1,000 to 9,999 lbs.	18,979	11,602	3,390	251
	10,000 to 49,999 lbs.	27,339	26,876	15,267	537
	50,000 to 99,999 lbs.	1,017	1,614	277	S
	100,000 lbs. or more	459	963	1,833	2,012
04	**Animal feed, eggs, honey, and other products of animal origin**				
	Total	**7,599**	**7,105**	**2,741**	**181**
	Less than 50 lbs.	58	6	2	426
	50 to 99 lbs.	S	6	2	304
	100 to 499 lbs.	269	92	8	S
	500 to 749 lbs.	180	74	7	89
	750 to 999 lbs.	223	97	9	96
	1,000 to 9,999 lbs.	2,552	1,399	179	115
	10,000 to 49,999 lbs.	3,466	3,719	1,278	303
	50,000 to 99,999 lbs.	349	S	S	462
	100,000 lbs. or more	S	S	S	878
05	**Meat, poultry, fish, seafood, and their preparations**				
	Total	**298,454**	**88,965**	**43,080**	**181**
	Less than 50 lbs.	2,800	226	40	198
	50 to 99 lbs.	3,246	309	26	82
	100 to 499 lbs.	13,996	2,048	241	113
	500 to 749 lbs.	5,309	1,104	127	115
	750 to 999 lbs.	4,453	901	115	127
	1,000 to 9,999 lbs.	58,800	14,179	4,010	236
	10,000 to 49,999 lbs.	197,681	62,999	34,557	529
	50,000 to 99,999 lbs.	6,551	3,974	2,902	739
	100,000 lbs. or more	5,617	3,225	1,063	437
06	**Milled grain products and preparations and bakery products**				
	Total	**42,097**	**19,724**	**10,306**	**164**
	Less than 50 lbs.	592	76	5	119
	50 to 99 lbs.	407	61	3	53
	100 to 499 lbs.	1,587	387	35	84
	500 to 749 lbs.	892	265	34	126
	750 to 999 lbs.	954	295	46	153
	1,000 to 9,999 lbs.	10,756	4,371	1,518	291
	10,000 to 49,999 lbs.	26,320	13,807	8,486	604
	50,000 to 99,999 lbs.	329	322	61	S
	100,000 lbs. or more	259	141	S	S

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
07-R[4]	**Other prepared foodstuffs and fats and oils**				
	Total	**213,234**	**134,884**	**54,374**	**109**
	Less than 50 lbs.	1,511	241	22	94
	50 to 99 lbs.	1,324	293	18	63
	100 to 499 lbs.	8,515	3,449	205	59
	500 to 749 lbs.	3,729	2,082	159	77
	750 to 999 lbs.	3,187	1,712	169	96
	1,000 to 9,999 lbs.	39,302	22,704	4,027	147
	10,000 to 49,999 lbs.	142,140	85,628	39,386	422
	50,000 to 99,999 lbs.	6,489	9,701	1,570	158
	100,000 lbs. or more	7,036	9,074	8,818	1,119
08-R[5]	**Alcoholic beverages, and denatured alcohol**				
	Total	**21,212**	**10,691**	**5,209**	**104**
	Less than 50 lbs.	433	47	7	196
	50 to 99 lbs.	357	55	5	100
	100 to 499 lbs.	3,526	807	44	56
	500 to 749 lbs.	1,117	400	19	48
	750 to 999 lbs.	975	401	21	52
	1,000 to 9,999 lbs.	6,370	2,738	255	75
	10,000 to 49,999 lbs.	7,733	5,712	4,742	726
	50,000 to 99,999 lbs.	608	477	101	S
	100,000 lbs. or more	S	S	S	S
09	**Tobacco products**				
	Total	**3,445**	**126**	**18**	**99**
	Less than 50 lbs.	413	3	Z	85
	50 to 99 lbs.	383	4	Z	113
	100 to 499 lbs.	1,219	21	2	107
	500 to 749 lbs.	260	11	1	114
	750 to 999 lbs.	104	6	1	147
	1,000 to 9,999 lbs.	893	68	8	117
	10,000 to 49,999 lbs.	S	S	4	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
10	**Monumental or building stone**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
11	**Natural sands**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
12	**Gravel and crushed stone (excludes dolomite and slate)**				
	Total	**S**	**74**	**S**	**29**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	63	2	27
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0	0	0	0
13	**Other nonmetallic minerals, n.e.c.**				
	Total	**72**	**514**	**71**	**S**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	94	5	S
	50,000 to 99,999 lbs.	38	367	2	S
	100,000 lbs. or more	7	53	65	1,215

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
14	**Metallic ores and concentrates**				
	Total	**S**	**S**	**S**	**30**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	30
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
15	**Coal**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
17-R[6]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**				
	Total	**1,154**	**1,648**	**1,215**	**S**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	213
	50,000 to 99,999 lbs.	393	574	37	65
	100,000 lbs. or more	711	1,004	1,167	1,058
18-R[7]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**				
	Total	**S**	**S**	**S**	**584**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	12	9	S	702
	50,000 to 99,999 lbs.	24	19	S	562
	100,000 lbs. or more	S	S	S	S
19	**Other coal and petroleum products, n.e.c.**				
	Total	**37,662**	**90,976**	**12,742**	**58**
	Less than 50 lbs.	S	4	Z	27
	50 to 99 lbs.	18	6	Z	30
	100 to 499 lbs.	306	199	6	28
	500 to 749 lbs.	138	124	3	23
	750 to 999 lbs.	153	132	4	28
	1,000 to 9,999 lbs.	1,398	1,968	48	28
	10,000 to 49,999 lbs.	13,090	39,291	3,061	67
	50,000 to 99,999 lbs.	16,934	36,658	3,086	85
	100,000 lbs. or more	5,545	12,593	6,534	729
20	**Basic chemicals**				
	Total	**33,796**	**52,893**	**21,078**	**409**
	Less than 50 lbs.	848	23	8	579
	50 to 99 lbs.	111	24	3	S
	100 to 499 lbs.	S	86	22	250
	500 to 749 lbs.	170	S	5	S
	750 to 999 lbs.	164	57	S	274
	1,000 to 9,999 lbs.	4,222	1,431	318	193
	10,000 to 49,999 lbs.	13,422	34,753	8,903	268
	50,000 to 99,999 lbs.	922	3,293	S	244
	100,000 lbs. or more	11,281	13,128	10,771	838
21	**Pharmaceutical products**				
	Total	**332,516**	**2,345**	**1,157**	**614**
	Less than 50 lbs.	116,641	145	85	661
	50 to 99 lbs.	32,221	82	25	298
	100 to 499 lbs.	42,413	212	71	368
	500 to 749 lbs.	7,935	46	19	387
	750 to 999 lbs.	8,161	S	16	104
	1,000 to 9,999 lbs.	67,391	617	251	404
	10,000 to 49,999 lbs.	55,340	964	625	606
	50,000 to 99,999 lbs.	S	15	S	827
	100,000 lbs. or more	1,809	106	54	493

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
22	**Fertilizers**				
	Total	**6,598**	**13,233**	**6,156**	**565**
	Less than 50 lbs.	S	S	S	803
	50 to 99 lbs.	1	Z	S	S
	100 to 499 lbs.	7	S	S	1,051
	500 to 749 lbs.	3	S	S	84
	750 to 999 lbs.	4	Z	S	S
	1,000 to 9,999 lbs.	28	S	3	S
	10,000 to 49,999 lbs.	1,483	3,136	706	225
	50,000 to 99,999 lbs.	327	963	225	234
	100,000 lbs. or more	4,740	9,110	5,218	664
23	**Chemical products and preparations, n.e.c.**				
	Total	**20,108**	**6,133**	**3,646**	**607**
	Less than 50 lbs.	803	15	10	558
	50 to 99 lbs.	222	7	4	529
	100 to 499 lbs.	1,528	56	54	879
	500 to 749 lbs.	S	35	32	916
	750 to 999 lbs.	S	50	S	810
	1,000 to 9,999 lbs.	2,936	685	395	653
	10,000 to 49,999 lbs.	12,450	4,351	2,218	529
	50,000 to 99,999 lbs.	81	67	46	687
	100,000 lbs. or more	1,237	867	848	960
24	**Plastics and rubber**				
	Total	**2,659**	**810**	**616**	**453**
	Less than 50 lbs.	668	45	17	443
	50 to 99 lbs.	S	15	S	598
	100 to 499 lbs.	S	36	S	527
	500 to 749 lbs.	S	S	3	S
	750 to 999 lbs.	27	2	S	996
	1,000 to 9,999 lbs.	377	23	18	792
	10,000 to 49,999 lbs.	1,364	463	406	843
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	36	S	S	709
25	**Logs and other wood in the rough**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
26	**Wood products**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
27	**Pulp, newsprint, paper, and paperboard**				
	Total	**1**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	1	S	S	S
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
28	**Paper or paperboard articles**				
	Total	**18**	**4**	**Z**	**60**
	Less than 50 lbs.	S	S	S	65
	50 to 99 lbs.	S	Z	S	S
	100 to 499 lbs.	7	2	S	43
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
29	**Printed products**				
	Total	**S**	**S**	**1**	**1,314**
	Less than 50 lbs.	S	S	S	949
	50 to 99 lbs.	S	Z	S	1,469
	100 to 499 lbs.	S	S	S	1,288
	500 to 749 lbs.	S	Z	S	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
30	**Textiles, leather, and articles of textiles or leather**				
	Total	**493**	**49**	**30**	**522**
	Less than 50 lbs.	10	2	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	147	S	S	935
	500 to 749 lbs.	35	Z	1	1,172
	750 to 999 lbs.	S	Z	S	1,005
	1,000 to 9,999 lbs.	S	4	6	1,626
	10,000 to 49,999 lbs.	61	S	S	1,195
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
31	**Nonmetallic mineral products**				
	Total	**330**	**2,693**	**103**	**277**
	Less than 50 lbs.	82	4	1	333
	50 to 99 lbs.	1	Z	Z	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	1	Z	Z	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	50	42	16	546
	10,000 to 49,999 lbs.	173	2,307	62	25
	50,000 to 99,999 lbs.	9	S	S	30
	100,000 lbs. or more	13	S	20	S
32	**Base metal in primary or semifinished forms and in finished basic shapes**				
	Total	**810**	**S**	**42**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	Z	S	783
	750 to 999 lbs.	S	S	Z	S
	1,000 to 9,999 lbs.	S	S	S	946
	10,000 to 49,999 lbs.	520	157	30	241
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
33	**Articles of base metal**				
	Total	**S**	**S**	**S**	**431**
	Less than 50 lbs.	S	S	S	433
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	S	56
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
34	**Machinery**				
	Total	**464**	**S**	**S**	**562**
	Less than 50 lbs.	94	S	1	626
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	2	S	S	S
	750 to 999 lbs.	S	S	Z	S
	1,000 to 9,999 lbs.	S	S	S	466
	10,000 to 49,999 lbs.	185	S	S	544
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
35	**Electronic and other electrical equipment and components and office equipment**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	2	1	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
36	**Motorized and other vehicles (including parts)**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
37	**Transportation equipment, n.e.c.**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
38	**Precision instruments and apparatus**				
	Total	**4,045**	**79**	**99**	**674**
	Less than 50 lbs.	1,603	4	3	697
	50 to 99 lbs.	145	S	1	S
	100 to 499 lbs.	633	S	2	S
	500 to 749 lbs.	S	S	Z	S
	750 to 999 lbs.	S	S	S	1,541
	1,000 to 9,999 lbs.	208	3	1	972
	10,000 to 49,999 lbs.	1,213	48	76	1,526
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**				
	Total	**270**	**S**	**S**	**657**
	Less than 50 lbs.	S	S	S	477
	50 to 99 lbs.	S	S	S	949
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
40	**Miscellaneous manufactured products**				
	Total	**S**	**42**	**25**	**505**
	Less than 50 lbs.	S	Z	S	829
	50 to 99 lbs.	S	S	Z	S
	100 to 499 lbs.	S	Z	S	S
	500 to 749 lbs.	13	S	S	S
	750 to 999 lbs.	S	1	1	1,360
	1,000 to 9,999 lbs.	S	3	3	895
	10,000 to 49,999 lbs.	104	25	19	753
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
41	**Waste and scrap**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
43	**Mixed freight**				
	Total	**529,281**	**187,669**	**28,825**	**108**
	Less than 50 lbs.	5,449	453	45	124
	50 to 99 lbs.	6,387	655	52	82
	100 to 499 lbs.	32,675	5,256	420	77
	500 to 749 lbs.	16,352	3,492	337	96
	750 to 999 lbs.	15,982	3,551	343	97
	1,000 to 9,999 lbs.	204,676	68,747	9,493	128
	10,000 to 49,999 lbs.	239,543	98,674	17,036	160
	50,000 to 99,999 lbs.	7,608	6,049	488	81
	100,000 lbs. or more	610	793	S	1,039

See footnotes at end of table.

Table 23.

Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
99	**Commodity unknown**				
	Total	**24**	**S**	**S**	**94**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	S	S	S	S

S Withheld because estimate did not meet publication standards.

Z Rounds to zero.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] Estimates exclude shipments of crude petroleum (SCTG 16).

[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 24.

Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
	All commodities[3]	**1,620,164**	**100.0**	**668,225**	**100.0**	**213,293**	**100.0**	**204**
010	Live animals and live fish	652	Z	121	Z	S	S	548
021	Wheat	0	0.0	0	0.0	0	0.0	0
022	Corn, except sweet	S	S	S	S	S	S	S
029	Other cereal grains	S	S	S	S	S	S	46
031	Fresh or chilled potatoes, except sweet	4,426	0.3	7,176	1.1	4,897	2.3	93
032	Fresh or chilled edible vegetables (except potatoes), and dried vegetables	30,163	1.9	22,109	3.3	6,942	3.3	117
033	Fruit and nuts, edible, fresh, chilled, or dried	20,456	1.3	14,082	2.1	8,623	4.0	573
034	Soy beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soy beans	7	Z	S	S	S	S	S
036	Bulbs, live plants, and seeds for sowing, n.e.c.	893	0.1	414	0.1	263	0.1	378
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products	4,824	0.3	1,005	0.2	587	0.3	607
041	Eggs, cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, other products of animal origin, n.e.c.	6,554	0.4	5,642	0.8	2,432	1.1	179
042	Animal feed preparations	1,045	0.1	1,462	0.2	309	0.1	200
051	Meat and poultry, fresh, chilled, or frozen, meat in brine, dried or smoked	264,532	16.3	82,666	12.4	40,276	18.9	180
052	Fish (except live), seafood, and their preparations	33,194	2.0	6,144	0.9	2,760	1.3	183
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	127
061	Wheat flour, groats, and meal	1,920	0.1	1,298	0.2	168	0.1	123
062	Malt, milled rice and corn (broken, flour, groats, and meal, inulin, wheat gluten, milled cereals and other vegetables and grains	S	S	413	0.1	S	S	57
063	Bakery products and food preparations of cereals, flour, starch or milk	12,988	0.8	6,360	1.0	3,176	1.5	138
064	Bakery products, including frozen	26,107	1.6	11,653	1.7	6,883	3.2	186
071	Dairy products except beverages and preparations of milk	118,266	7.3	72,203	10.8	20,173	9.5	78
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	32,735	2.0	20,407	3.1	12,740	6.0	188
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	466	Z	115	Z	17	Z	67
074-R[4]	Animal or vegetable fats and oils and their cleavage products, prepared excludes oils and fats treated for use as biodiesel	8,510	0.5	6,695	1.0	2,785	1.3	384
075	Sugars confectionery, solid or syrups not containing added flavoring or coloring	1,829	0.1	3,700	0.6	2,473	1.2	294
076	Confectionery, cocoa, and cocoa preparations	18,668	1.2	4,268	0.6	2,671	1.3	452
077	Edible preparations, n.e.c., and vinegar	19,669	1.2	10,200	1.5	6,407	3.0	200
078	Nonalcoholic beverages, n.e.c., and ice	13,092	0.8	17,295	2.6	7,109	3.3	83
081	Malt beer	9,856	0.6	7,742	1.2	3,295	1.5	51
082	Wine and other fermented beverages	9,633	0.6	2,646	0.4	1,849	0.9	162
083-R[5]	Spirituous beverages and undenatured ethyl alcohol	1,724	0.1	302	Z	65	Z	66
084	Denatured ethyl alcohol, not for ingestion or use as biofuel	0	0.0	0	0.0	0	0.0	0
090	Tobacco products	3,445	0.2	126	Z	18	Z	99
100	Monumental or building stone, except dolomite	0	0.0	0	0.0	0	0.0	0
110	Natural sands, except metal-bearing	0	0.0	0	0.0	0	0.0	0
120	Gravel and crushed stone, except dolomite and slate	S	S	74	Z	S	S	29
131	Salt	S	S	S	S	S	S	S
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	0	0.0	0	0.0	0	0.0	0
133	Dolomite, including monumental, building, and crushed	0	0.0	0	0.0	0	0.0	0
139	Other nonmetallic minerals, n.e.c.	66	Z	512	0.1	71	Z	S
141	Iron ores and concentrates	0	0.0	0	0.0	0	0.0	0
149	Metallic ores and concentrates, except iron	S	S	S	S	S	S	30
151	Nonagglomerated bituminous coal	0	0.0	0	0.0	0	0.0	0
159	Coal, except nonagglomerated bituminous coal	0	0.0	0	0.0	0	0.0	0
160	Crude petroleum	0	0.0	0	0.0	0	0.0	0
171-R[6]	Gasoline, and blends of gasoline and 10 percent ethanol	0	0.0	0	0.0	0	0.0	0
172-R[7]	Aviation turbine fuel (types a and b), and kerosene	0	0.0	0	0.0	0	0.0	0
175	Ethanol, ethanol blends of more than 10 percent ethanol, and other fuel alcohols	0	0.0	0	0.0	0	0.0	0
176	Ethanol, for use as biofuels	1,154	0.1	1,648	0.2	1,215	0.6	S
181	Fuel oils	0	0.0	0	0.0	0	0.0	0
182	Blends of fuel oils and biofuel, biodiesel	S	S	S	S	S	S	584
191	Lubricating oils and greases	2,116	0.1	1,646	0.2	924	0.4	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1,554	0.1	2,207	0.3	733	0.3	195
193	Gaseous hydrocarbons	2,630	0.2	2,558	0.4	403	0.2	22
199	Other products of petroleum refining, and coal products, n.e.c.	31,362	1.9	84,565	12.7	10,682	5.0	74
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	930	0.1	2,560	0.4	560	0.3	119
202	Inorganic chemicals, n.e.c.	8,440	0.5	37,983	5.7	11,600	5.4	262
203	Cyclic hydrocarbons	S	S	S	S	S	S	588
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, and acyclic alcohols, and organic acids	7,877	0.5	5,412	0.8	3,817	1.8	583
205	Organic chemicals, n.e.c.	13,370	0.8	4,083	0.6	2,765	1.3	695
210	Pharmaceutical products	332,516	20.5	2,345	0.4	1,157	0.5	614
220	Fertilizers and fertilizer materials	6,598	0.4	13,233	2.0	6,156	2.9	565
231	Paints and varnishes, enamels, tanning or dyeing extracts, tannins and their derivatives, inks, lakes, toners, and ink	4,838	0.3	2,136	0.3	1,026	0.5	528
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	4,232	0.3	562	0.1	425	0.2	520
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preps	997	0.1	626	0.1	257	0.1	186
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preps for photographic use	4,441	0.3	241	Z	310	0.1	1,021
235	Insecticides, rodenticides, fungicides, herbicides, disinfectants, etc.	410	Z	104	Z	21	Z	305
239	Other chemical products and preparations: glues, prepared explosives, activated natural mineral products, anti-knock preparations, etc.	5,190	0.3	2,463	0.4	1,608	0.8	638

See footnotes at end of table.

Table 24.

Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
241	Plastics and rubber in primary forms or sheets	278	Z	S	S	S	S	405
242	Manmade fibers and plastics basic shapes and articles	2,128	0.1	682	0.1	522	0.2	453
243	Rubber articles	S	S	S	S	S	S	871
250	Logs and other wood in the rough	0	0.0	0	0.0	0	0.0	0
261	Wood chips or particles	0	0.0	0	0.0	0	0.0	0
262	Lumber, wood continuously shaped along any of its edges or faces, shingles and shakes	S	S	S	S	S	S	S
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, and similar laminated wood	0	0.0	0	0.0	0	0.0	0
264	Windows, doors, thresholds, and builders' joinery and carpentry of wood, except shingles and shakes	0	0.0	0	0.0	0	0.0	0
269	Other wood products	S	S	S	S	S	S	S
271	Pulp of fibrous cellulosic materials	0	0.0	0	0.0	0	0.0	0
272	Newsprint in large rolls or sheets	0	0.0	0	0.0	0	0.0	0
273	Uncoated paper, tissue, and paperboard in large rolls or sheets	Z	Z	S	S	S	S	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	S	S	S	S	S	S	5
280	Paper or paperboard articles	18	Z	4	Z	Z	Z	60
291	Printed books, brochures, leaflets, and similar printed products	0	0.0	0	0.0	0	0.0	0
292	Newspapers, journals, and periodicals	0	0.0	0	0.0	0	0.0	0
293	Advertising material, commercial or trade catalogues, and similar printed products	0	0.0	0	0.0	0	0.0	0
299	Other printed products	S	S	S	S	1	Z	1,314
301	Textile fibers, yarns, and broad woven or knitted fabrics	S	S	S	S	S	S	8
302	Textile clothing and accessories, and headgear, except safety	S	S	S	S	S	S	S
303	Textiles and textile articles, n.e.c.	464	Z	38	Z	30	Z	526
304	Leather footwear	0	0.0	0	0.0	0	0.0	0
305	Leather and articles of leather or allied materials, and dressed fur skins	0	0.0	0	0.0	0	0.0	0
311	Hydraulic cements	S	S	S	S	S	S	18
312	Ceramic products	S	S	S	S	S	S	S
313	Glass and glass products	83	Z	4	Z	1	Z	333
319	Other nonmetallic mineral products	204	Z	2,179	0.3	84	Z	S
321	Ferro-alloys, and iron and steel in primary or semi-finished forms, or in powders or granules	0	0.0	0	0.0	0	0.0	0
322	Flat-rolled products of iron or steel	0	0.0	0	0.0	0	0.0	0
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	S	S	S	S	S	S	S
324	Nonferrous metal, except precious, unwrought, or in finished basic shapes, or in powders or granules	809	Z	S	S	41	Z	S
331	Pipes, tubes, and fittings	4	Z	S	S	S	S	S
332	Structures and parts, except prefabricated buildings	1	Z	S	S	S	S	S
333	Hand tools, cutlery, except of precious metals, interchangeable tools for hand or machine tools, hardware, and industrial fasteners	S	S	S	S	S	S	S
339	Other articles of metal	S	S	S	S	S	S	433
341	Internal-combustion engines and parts	S	S	S	S	S	S	S
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion	S	S	S	S	S	S	S
343	Pumps, compressors, fans, and ventilating or recycling hoods incorporating a fan	S	S	S	S	S	S	S
344	Air-conditioning, refrigerating, or freezing equipment	S	S	Z	Z	S	S	S
345	Materials-handling, excavating, boring, and related machinery and equipment	S	S	S	S	S	S	S
349	Other mechanical machinery, n.e.c.	302	Z	20	Z	4	Z	628
351	Electric motors, generators, rotary or static converters, and transformers	S	S	S	S	S	S	S
352	Electric cooking appliances, electro-thermic, or electro-mechanical domestic appliances	1	Z	Z	Z	S	S	S
353	Line telephone or telegraph apparatus	0	0.0	0	0.0	0	0.0	0
354	Electronic entertainment products, except parts	0	0.0	0	0.0	0	0.0	0
355	Computer and electronic office equipment	0	0.0	0	0.0	0	0.0	0
356	Prepared unrecorded or prerecorded media	S	S	S	S	S	S	S
357	Transmission, and reception apparatus for radio, television, radar, and remote-control	S	S	S	S	S	S	S
358	Electronic components and parts	S	S	S	S	S	S	S
359	Other electronic and electrical equipment, n.e.c.	S	S	S	S	S	S	S
361	Motorized vehicles for transport of less than 10 people, except motorcycles, armored, and recreational	0	0.0	0	0.0	0	0.0	0
362	Motor vehicles for the transport of goods, and road tractors for semi-trailers	0	0.0	0	0.0	0	0.0	0
363	Other vehicles	0	0.0	0	0.0	0	0.0	0
364	Motor vehicles parts and accessories except motorcycles and armored fighting vehicles	0	0.0	0	0.0	0	0.0	0
371	Railway equipment including locomotives and rolling stock, railway track fixtures and fittings, and parts	0	0.0	0	0.0	0	0.0	0
372	Aircraft and spacecraft	S	S	S	S	S	S	S
373	Ships, boats, and floating structures	0	0.0	0	0.0	0	0.0	0
381	Optical elements, instruments, and apparatus, except photographic and cinematographic	0	0.0	0	0.0	0	0.0	0
382	Photographic and photocopying machines	S	S	S	S	S	S	S
383	Surveying, hydrographic, oceanographic, hydrological, meteorological, and geophysical instruments and appliances	0	0.0	0	0.0	0	0.0	0
384	Instruments, apparatus, and appliances for medical, surgical, dental, veterinary, or similar purposes	3,777	0.2	70	Z	88	Z	630
385	Meters and other instruments and apparatus for measuring or process control	140	Z	1	Z	1	Z	994

See footnotes at end of table.

Table 24.

Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment
		2012 (million dollars)	Percent of total	2012 (thousands)	Percent of total	2012 (millions)	Percent of total	
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	270	Z	S	S	S	S	657
401	Arms and ammunition	0	0.0	0	0.0	0	0.0	0
402	Toys, games, and sporting equipment	S	S	S	S	S	S	S
409	Miscellaneous manufactured products	S	S	41	Z	25	Z	634
411	Metallic waste and scrap	S	S	S	S	S	S	S
412	Nonmetallic waste and scrap, except from food processing	0	0.0	0	0.0	0	0.0	0
439	Mixed freight	529,281	32.7	187,669	28.1	28,825	13.5	108
999	Commodity unknown	24	Z	S	S	S	S	94

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] Estimates exclude shipments of crude petroleum (SCTG 16).
[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 074. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 182.
[5] Prior to the 2012 CFS, denatured alcohol of more than 80 percent by volume was included in Commodity Code 083. In the 2012 CFS, denatured alcohol of more than 80 percent by volume moved to Commodity Code 084.
[6] Prior to the 2012 CFS, Commodity Code 171 only included gasoline. In the 2012 CFS, mixtures of 10 percent ethanol and gasoline moved to Commodity Code 171.
[7] Prior to the 2012 CFS, kerosene was included in Commodity Code 192. In the 2012 CFS, kerosene moved to Commodity Code 172.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 25.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
	Total	**1,620,164**	**668,225**	**213,293**	**204**
212	Mining (except oil and gas)	S	882	S	71
31–33	Manufacturing	569,249	318,489	144,352	339
311	Food manufacturing	405,845	190,801	98,950	214
312	Beverage and tobacco product manufacturing	11,049	14,620	7,847	225
313	Textile mills	155	34	30	1,026
314	Textile product mills	0	0	0	0
315	Apparel manufacturing	0	0	0	0
316	Leather and allied product manufacturing	S	S	S	1,172
321	Wood product manufacturing	0	0	0	0
322	Paper manufacturing	S	S	S	531
323	Printing and related support activities	S	S	1	1,877
324	Petroleum and coal products manufacturing	21,893	57,493	13,222	129
325	Chemical manufacturing	123,124	52,031	23,662	1,004
326	Plastics and rubber products manufacturing	1,741	436	313	947
327	Nonmetallic mineral product manufacturing	350	2,649	127	S
331	Primary metal manufacturing	533	S	14	638
332	Fabricated metal product manufacturing	S	S	S	S
333	Machinery manufacturing	S	S	S	758
334	Computer and electronic product manufacturing	1,373	S	S	1,611
335	Electrical equipment, appliance, and component manufacturing	44	1	1	1,049
336	Transportation equipment manufacturing	S	Z	Z	1,708
337	Furniture and related product manufacturing	0	0	0	0
339	Miscellaneous manufacturing	2,738	74	48	510
42	Wholesale trade	810,148	273,843	57,502	146
423	Merchant wholesalers, durable goods	9,775	1,845	559	434
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	0	0	0	0
4232	Furniture and home furnishing merchant wholesalers	S	S	S	482
4233	Lumber and other construction materials merchant wholesalers	286	536	S	166
4234	Professional and commercial equipment and supplies merchant wholesalers	7,728	885	440	448
4235	Metal and mineral (except petroleum) merchant wholesalers	85	49	7	S
4236	Electrical and electronic goods merchant wholesalers	S	S	S	224
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	S	S	S	S
4238	Machinery, equipment, and supplies merchant wholesalers	609	S	S	S
4239	Miscellaneous durable goods merchant wholesalers	S	S	S	S
424	Merchant wholesalers, nondurable goods	800,372	271,998	56,943	126
4241	Paper and paper product merchant wholesalers	639	151	11	S
4242	Drugs and druggists' sundries merchant wholesalers	196,611	1,350	517	311
4243	Apparel, piece goods, and notions merchant wholesalers	S	S	S	S
4244	Grocery and related product merchant wholesalers	480,846	203,478	45,874	102
4245	Farm product raw material merchant wholesalers	1,697	2,958	344	319
4246	Chemical and allied products merchant wholesalers	2,270	3,790	856	S
4247	Petroleum and petroleum products merchant wholesalers	18,120	37,153	2,546	50
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	14,283	5,296	494	66
4249	Miscellaneous nondurable goods merchant wholesalers	85,906	17,822	6,301	276
4541	Electronic shopping and mail-order houses	27,088	1,450	185	375
45431	Fuel dealers	1,060	975	22	20
4931[4]	Warehousing and storage	162,927	55,327	8,437	306
5111	Newspaper, periodical, book, and directory publishers	0	0	0	0
551114	Corporate, subsidiary, and regional managing offices	49,470	17,259	2,597	369

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
212	**Mining (except oil and gas)**				
	All modes	**S**	**882**	**S**	**71**
	Single modes	**S**	**865**	**S**	**67**
	Truck[4]	65	716	19	25
	For-hire truck	S	S	S	50
	Private truck	57	559	11	18
	Rail	141	149	163	1,084
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	S	S	S	S
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
31–33	**Manufacturing**				
	All modes	**569,249**	**318,489**	**144,352**	**339**
	Single modes	**550,537**	**312,131**	**137,264**	**244**
	Truck[4]	508,377	280,444	110,951	207
	For-hire truck	407,163	180,992	101,810	594
	Private truck	101,213	99,452	9,141	54
	Rail	18,625	25,073	22,713	979
	Water	6,055	6,114	2,840	553
	Inland water	4,741	5,596	S	561
	Great Lakes	0	0	0	0
	Deep sea	1,181	267	321	S
	Multiple waterways	S	S	S	828
	Air (includes truck and air)	17,427	S	S	1,328
	Pipeline[5]	S	S	S	S
	Multiple modes	18,712	6,359	7,088	1,132
	Parcel, U.S. Postal Service, or courier	12,464	62	67	1,133
	Truck and rail	5,067	4,380	6,142	1,521
	Truck and water	861	412	757	S
	Rail and water	S	S	122	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
311	**Food manufacturing**				
	All modes	**405,845**	**190,801**	**98,950**	**214**
	Single modes	**400,699**	**187,047**	**93,385**	**194**
	Truck[4]	394,130	180,806	86,740	190
	For-hire truck	309,783	128,168	81,041	576
	Private truck	84,347	52,637	5,699	54
	Rail	5,219	5,940	6,261	1,280
	Water	1,034	254	301	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	1,024	247	296	S
	Multiple waterways	S	7	S	S
	Air (includes truck and air)	316	47	84	1,636
	Pipeline[5]	0	0	0	0
	Multiple modes	5,146	3,754	5,565	1,050
	Parcel, U.S. Postal Service, or courier	252	13	14	1,058
	Truck and rail	4,247	3,527	5,077	1,461
	Truck and water	647	215	474	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
312	**Beverage and tobacco product manufacturing**				
	All modes	**11,049**	**14,620**	**7,847**	**225**
	Single modes	**10,667**	**14,422**	**7,472**	**217**
	Truck[4]	10,353	14,190	6,991	213
	For-hire truck	8,617	9,419	6,611	820
	Private truck	1,736	4,771	379	39
	Rail	300	221	456	2,082
	Water	14	10	24	2,100
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	14	10	24	2,100
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	S
	Pipeline[5]	0	0	0	0
	Multiple modes	382	199	375	1,986
	Parcel, U.S. Postal Service, or courier	S	Z	S	1,280
	Truck and rail	314	145	283	2,781
	Truck and water	66	54	92	1,789
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
313	**Textile mills**				
	All modes	**155**	**34**	**30**	**1,026**
	Single modes	**155**	**34**	**30**	**1,026**
	Truck[4]	155	34	30	1,026
	For-hire truck	155	34	30	1,026
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
314	**Textile product mills**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
315	**Apparel manufacturing**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
316	**Leather and allied product manufacturing**				
	All modes	**S**	**S**	**S**	**1,172**
	Single modes	**S**	**S**	**S**	**1,172**
	Truck[4]	S	S	S	1,172
	For-hire truck	S	S	S	1,209
	Private truck	S	Z	Z	3
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
321	**Wood product manufacturing**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
322	**Paper manufacturing**				
	All modes	**S**	**S**	**S**	**531**
	Single modes	**S**	**S**	**S**	**531**
	Truck[4]	S	S	S	531
	For-hire truck	S	S	S	S
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
323	**Printing and related support activities**				
	All modes	**S**	**S**	**1**	**1,877**
	Single modes	**S**	**S**	**Z**	**1,291**
	Truck[4]	S	S	Z	1,291
	For-hire truck	S	S	Z	1,291
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**3**	**Z**	**S**	**2,172**
	Parcel, U.S. Postal Service, or courier	3	Z	S	2,172
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
324	**Petroleum and coal products manufacturing**				
	All modes	**21,893**	**57,493**	**13,222**	**129**
	Single modes	**21,438**	**55,884**	**12,870**	**112**
	Truck[4]	13,749	43,569	3,897	84
	For-hire truck	9,988	25,388	3,186	137
	Private truck	3,761	18,181	710	29
	Rail	3,680	8,206	6,696	840
	Water	3,955	4,012	S	613
	Inland water	3,832	3,768	S	623
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	S	S	S	S
	Multiple modes	**S**	**S**	**351**	**1,016**
	Parcel, U.S. Postal Service, or courier	S	S	S	985
	Truck and rail	165	164	317	1,926
	Truck and water	0	0	0	0
	Rail and water	S	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
325	**Chemical manufacturing**				
	All modes	**123,124**	**52,031**	**23,662**	**1,004**
	Single modes	**112,683**	**51,275**	**22,922**	**820**
	Truck[4]	85,862	38,381	12,716	538
	For-hire truck	74,834	16,792	10,436	869
	Private truck	11,028	21,589	2,280	98
	Rail	9,425	10,706	9,300	836
	Water	S	S	239	S
	Inland water	S	S	239	S
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	16,344	S	S	1,317
	Pipeline[5]	0	0	0	0
	Multiple modes	**10,441**	**756**	**740**	**1,173**
	Parcel, U.S. Postal Service, or courier	10,054	42	44	1,172
	Truck and rail	202	510	421	1,070
	Truck and water	S	S	S	2,657
	Rail and water	S	S	S	S
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
326	**Plastics and rubber products manufacturing**				
	All modes	**1,741**	**436**	**313**	**947**
	Single modes	**1,734**	**434**	**309**	**945**
	Truck[4]	1,611	432	305	910
	For-hire truck	1,528	413	301	939
	Private truck	83	19	S	236
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	123	3	S	1,284
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**1,013**
	Parcel, U.S. Postal Service, or courier	S	Z	Z	946
	Truck and rail	S	S	S	S
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
327	**Nonmetallic mineral product manufacturing**				
	All modes	**350**	**2,649**	**127**	**S**
	Single modes	**214**	**2,617**	**87**	**S**
	Truck[4]	206	2,616	84	S
	For-hire truck	72	S	19	S
	Private truck	134	2,218	66	23
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	849
	Pipeline[5]	0	0	0	0
	Multiple modes	**135**	**32**	**40**	**920**
	Parcel, U.S. Postal Service, or courier	S	S	S	789
	Truck and rail	134	32	40	1,245
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
331	**Primary metal manufacturing**				
	All modes	**533**	**S**	**14**	**638**
	Single modes	**500**	**S**	**14**	**385**
	Truck[4]	443	S	13	S
	For-hire truck	430	S	13	S
	Private truck	13	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	1,163
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**1,195**
	Parcel, U.S. Postal Service, or courier	S	S	S	1,195
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
332	**Fabricated metal product manufacturing**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	S	S	1	390
	Private truck	S	S	Z	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**3,586**
	Parcel, U.S. Postal Service, or courier	S	S	S	2,601
	Truck and rail	0	0	0	0
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
333	**Machinery manufacturing**				
	All modes	**S**	**S**	**S**	**758**
	Single modes	**S**	**S**	**S**	**795**
	Truck[4]	S	S	S	792
	For-hire truck	S	S	S	1,011
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	S
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**Z**	**S**	**643**
	Parcel, U.S. Postal Service, or courier	S	Z	S	643
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
334	**Computer and electronic product manufacturing**				
	All modes	**1,373**	**S**	**S**	**1,611**
	Single modes	**581**	**S**	**S**	**1,296**
	Truck[4]	450	S	S	1,282
	For-hire truck	432	S	S	1,295
	Private truck	S	Z	Z	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	Z	1,324
	Pipeline[5]	0	0	0	0
	Multiple modes	**792**	**S**	**S**	**1,647**
	Parcel, U.S. Postal Service, or courier	792	S	S	1,647
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
335	**Electrical equipment, appliance, and component manufacturing**				
	All modes	**44**	**1**	**1**	**1,049**
	Single modes	**44**	**1**	**1**	**1,049**
	Truck[4]	40	1	1	1,046
	For-hire truck	40	1	1	1,068
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	4	Z	Z	1,058
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
336	**Transportation equipment manufacturing**				
	All modes	**S**	**Z**	**Z**	**1,708**
	Single modes	**S**	**S**	**Z**	**1,352**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	Z	1,352
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
337	**Furniture and related product manufacturing**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
339	**Miscellaneous manufacturing**				
	All modes	**2,738**	**74**	**48**	**510**
	Single modes	**1,439**	**72**	**45**	**S**
	Truck[4]	1,005	71	45	S
	For-hire truck	938	44	43	1,007
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	433	1	1	1,108
	Pipeline[5]	0	0	0	0
	Multiple modes	**1,299**	**3**	**3**	**592**
	Parcel, U.S. Postal Service, or courier	1,299	3	3	592
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
42	**Wholesale trade**				
	All modes	**810,148**	**273,843**	**57,502**	**146**
	Single modes	**699,254**	**272,369**	**56,366**	**117**
	Truck[4]	689,456	262,549	49,660	107
	For-hire truck	230,540	87,755	34,306	456
	Private truck	458,916	174,794	15,354	66
	Rail	4,358	8,714	5,490	621
	Water	923	535	274	1,149
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	644	249	183	1,150
	Multiple waterways	S	S	S	444
	Air (includes truck and air)	4,510	551	S	1,628
	Pipeline[5]	S	S	S	S
	Multiple modes	**110,894**	**1,474**	**1,136**	**439**
	Parcel, U.S. Postal Service, or courier	108,265	337	125	436
	Truck and rail	S	S	S	429
	Truck and water	1,186	338	353	890
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
423	**Merchant wholesalers, durable goods**				
	All modes	**9,775**	**1,845**	**559**	**434**
	Single modes	**6,075**	**1,658**	**478**	**261**
	Truck[4]	4,776	1,620	420	189
	For-hire truck	2,993	920	375	324
	Private truck	1,783	700	44	57
	Rail	0	0	0	0
	Water	S	S	S	S
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	1,295	S	S	1,288
	Pipeline[5]	0	0	0	0
	Multiple modes	**3,701**	**187**	**80**	**477**
	Parcel, U.S. Postal Service, or courier	3,687	180	78	477
	Truck and rail	S	4	S	S
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4232	**Furniture and home furnishing merchant wholesalers**				
	All modes	**S**	**S**	**S**	**482**
	Single modes	**S**	**S**	**S**	**411**
	Truck[4]	S	S	S	411
	For-hire truck	59	S	S	S
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4233	**Lumber and other construction materials merchant wholesalers**				
	All modes	**286**	**536**	**S**	**166**
	Single modes	**282**	**534**	**S**	**162**
	Truck[4]	282	534	S	162
	For-hire truck	177	347	S	247
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	S	S	S	S
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	All modes	**7,728**	**885**	**440**	**448**
	Single modes	**4,115**	**707**	**363**	**310**
	Truck[4]	2,821	670	305	219
	For-hire truck	1,694	475	292	367
	Private truck	1,126	196	13	66
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	1,295	S	S	1,296
	Pipeline[5]	0	0	0	0
	Multiple modes	**3,612**	**178**	**77**	**474**
	Parcel, U.S. Postal Service, or courier	3,612	178	77	474
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	All modes	**85**	**49**	**7**	**S**
	Single modes	**83**	**49**	**7**	**S**
	Truck[4]	83	49	7	S
	For-hire truck	76	35	6	S
	Private truck	S	S	S	36
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4236	**Electrical and electronic goods merchant wholesalers**				
	All modes	**S**	**S**	**S**	**224**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	0	0	0	0
	Private truck	S	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**Z**	**Z**	**312**
	Parcel, U.S. Postal Service, or courier	S	Z	Z	312
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	S	S	S	S
	Private truck	11	S	S	S
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**434**
	Parcel, U.S. Postal Service, or courier	S	S	S	434
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	All modes	**609**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**96**
	Truck[4]	S	S	S	93
	For-hire truck	73	S	S	S
	Private truck	S	S	S	32
	Rail	0	0	0	0
	Water	S	S	S	S
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	Z	643
	Pipeline[5]	0	0	0	0
	Multiple modes	**72**	**8**	**2**	**732**
	Parcel, U.S. Postal Service, or courier	62	2	S	752
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4239	**Miscellaneous durable goods merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**328**
	Truck[4]	S	S	S	328
	For-hire truck	S	S	Z	484
	Private truck	S	S	S	56
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**Z**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	Z	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
424	**Merchant wholesalers, nondurable goods**				
	All modes	**800,372**	**271,998**	**56,943**	**126**
	Single modes	**693,179**	**270,711**	**55,888**	**115**
	Truck[4]	684,680	260,929	49,240	106
	For-hire truck	227,546	86,835	33,931	465
	Private truck	457,134	174,094	15,310	67
	Rail	4,358	8,714	5,490	621
	Water	919	534	274	1,150
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	644	249	183	1,150
	Multiple waterways	S	S	S	444
	Air (includes truck and air)	3,215	514	S	1,697
	Pipeline[5]	S	S	S	S
	Multiple modes	**107,193**	**1,287**	**1,055**	**384**
	Parcel, U.S. Postal Service, or courier	104,578	156	47	375
	Truck and rail	S	S	S	S
	Truck and water	1,176	336	353	892
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4241	**Paper and paper product merchant wholesalers**				
	All modes	**639**	**151**	**11**	**S**
	Single modes	**497**	**150**	**11**	**86**
	Truck[4]	496	150	11	78
	For-hire truck	S	S	S	S
	Private truck	344	108	9	87
	Rail	0	0	0	0
	Water	S	S	S	S
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4242	**Drugs and druggists' sundries merchant wholesalers**				
	All modes	**196,611**	**1,350**	**517**	**311**
	Single modes	**92,429**	**1,184**	**430**	**293**
	Truck[4]	91,340	1,173	423	191
	For-hire truck	89,140	1,015	420	221
	Private truck	S	S	3	36
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	1,089	S	7	1,260
	Pipeline[5]	0	0	0	0
	Multiple modes	**104,182**	**166**	**S**	**317**
	Parcel, U.S. Postal Service, or courier	103,829	117	28	317
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4244	**Grocery and related product merchant wholesalers**				
	All modes	**480,846**	**203,478**	**45,874**	**102**
	Single modes	**478,651**	**202,684**	**45,181**	**98**
	Truck[4]	475,988	200,889	42,487	91
	For-hire truck	110,357	53,165	29,010	421
	Private truck	365,631	147,724	13,477	64
	Rail	446	1,242	1,806	1,538
	Water	532	223	185	1,176
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	506	197	174	1,176
	Multiple waterways	26	26	11	433
	Air (includes truck and air)	1,685	S	S	2,171
	Pipeline[5]	0	0	0	0
	Multiple modes	**2,195**	**794**	**693**	**589**
	Parcel, U.S. Postal Service, or courier	273	26	9	586
	Truck and rail	S	S	343	S
	Truck and water	1,046	327	341	955
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4245	**Farm product raw material merchant wholesalers**				
	All modes	**1,697**	**2,958**	**344**	**319**
	Single modes	**1,667**	**2,956**	**343**	**215**
	Truck[4]	1,229	1,472	148	S
	For-hire truck	397	603	95	S
	Private truck	S	S	S	S
	Rail	S	S	90	S
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	99	124	105	889
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**706**
	Parcel, U.S. Postal Service, or courier	S	S	S	706
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4246	**Chemical and allied products merchant wholesalers**				
	All modes	**2,270**	**3,790**	**856**	**S**
	Single modes	**2,162**	**3,785**	**846**	**S**
	Truck[4]	1,912	3,036	438	62
	For-hire truck	1,203	826	305	481
	Private truck	708	2,210	133	25
	Rail	218	748	407	490
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	1,233
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**1,303**
	Parcel, U.S. Postal Service, or courier	S	S	S	1,302
	Truck and rail	S	S	S	S
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4247	**Petroleum and petroleum products merchant wholesalers**				
	All modes	**18,120**	**37,153**	**2,546**	**50**
	Single modes	**18,112**	**37,153**	**2,546**	**49**
	Truck[4]	17,998	36,948	2,499	48
	For-hire truck	15,146	27,604	2,126	73
	Private truck	2,852	S	373	S
	Rail	106	185	43	S
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	S	S	S	S
	Multiple modes	**S**	**Z**	**Z**	**S**
	Parcel, U.S. Postal Service, or courier	S	Z	Z	S
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	All modes	**14,283**	**5,296**	**494**	**66**
	Single modes	**14,205**	**5,289**	**488**	**64**
	Truck[4]	14,137	5,279	486	63
	For-hire truck	4,085	1,054	351	171
	Private truck	10,052	4,225	135	41
	Rail	0	0	0	0
	Water	S	S	S	246
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	246
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	2	S
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	1	S
	Truck and rail	0	0	0	0
	Truck and water	S	S	S	S
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	All modes	**85,906**	**17,822**	**6,301**	**276**
	Single modes	**85,456**	**17,510**	**6,043**	**270**
	Truck[4]	81,580	11,982	2,749	255
	For-hire truck	7,066	2,526	1,622	1,113
	Private truck	74,513	9,456	1,127	109
	Rail	3,248	5,179	3,144	615
	Water	372	S	S	1,837
	Inland water	S	S	S	S
	Great Lakes	0	0	0	0
	Deep sea	123	S	9	1,897
	Multiple waterways	S	154	69	447
	Air (includes truck and air)	S	S	S	1,684
	Pipeline[5]	0	0	0	0
	Multiple modes	**450**	**S**	**S**	**859**
	Parcel, U.S. Postal Service, or courier	158	7	5	834
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	2,138
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4541	**Electronic shopping and mail-order houses**				
	All modes	**27,088**	**1,450**	**185**	**375**
	Single modes	**7,952**	**1,367**	**S**	**S**
	Truck[4]	6,800	1,364	S	S
	For-hire truck	S	S	S	723
	Private truck	6,022	1,287	S	19
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	2	4	1,866
	Pipeline[5]	0	0	0	0
	Multiple modes	**19,137**	**83**	**86**	**922**
	Parcel, U.S. Postal Service, or courier	19,137	83	86	922
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
45431	**Fuel dealers**				
	All modes	**1,060**	**975**	**22**	**20**
	Single modes	**1,060**	**974**	**22**	**20**
	Truck	1,060	974	22	20
	For-hire truck	S	S	Z	S
	Private truck	1,042	960	21	20
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	S	S	S	S
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
4931[6]	**Warehousing and storage**				
	All modes	**162,927**	**55,327**	**8,437**	**306**
	Single modes	**158,689**	**55,076**	**8,242**	**179**
	Truck[4]	156,069	53,787	7,361	162
	For-hire truck	66,573	20,075	3,694	243
	Private truck	89,496	33,712	3,667	107
	Rail	S	S	66	S
	Water	S	271	378	1,820
	Inland water	57	110	S	S
	Great Lakes	0	0	0	0
	Deep sea	S	161	S	1,821
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	S	S	S	845
	Pipeline[5]	356	679	S	S
	Multiple modes	**4,238**	**S**	**196**	**748**
	Parcel, U.S. Postal Service, or courier	3,777	18	7	723
	Truck and rail	S	S	27	S
	Truck and water	211	81	162	2,581
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**
5111	**Newspaper, periodical, book, and directory publishers**				
	All modes	**0**	**0**	**0**	**0**
	Single modes	**0**	**0**	**0**	**0**
	Truck[4]	0	0	0	0
	For-hire truck	0	0	0	0
	Private truck	0	0	0	0
	Rail	0	0	0	0
	Water	0	0	0	0
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	0	0	0	0
	Multiple waterways	0	0	0	0
	Air (includes truck and air)	0	0	0	0
	Pipeline[5]	0	0	0	0
	Multiple modes	**0**	**0**	**0**	**0**
	Parcel, U.S. Postal Service, or courier	0	0	0	0
	Truck and rail	0	0	0	0
	Truck and water	0	0	0	0
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

See footnotes at end of table.

Table 26.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and mode of transportation	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
551114	**Corporate, subsidiary, and regional managing offices**				
	All modes	**49,470**	**17,259**	**2,597**	**369**
	Single modes	**47,850**	**17,139**	**2,376**	**125**
	Truck[4]	46,870	16,868	S	80
	For-hire truck	22,537	S	S	225
	Private truck	24,333	9,768	483	54
	Rail	294	192	205	1,064
	Water	S	77	154	2,009
	Inland water	0	0	0	0
	Great Lakes	0	0	0	0
	Deep sea	S	S	S	S
	Multiple waterways	S	S	S	2,902
	Air (includes truck and air)	S	2	S	1,289
	Pipeline[5]	0	0	0	0
	Multiple modes	**1,619**	**S**	**S**	**1,378**
	Parcel, U.S. Postal Service, or courier	1,244	3	2	1,374
	Truck and rail	59	29	S	1,271
	Truck and water	S	S	S	2,022
	Rail and water	0	0	0	0
	Other multiple modes	0	0	0	0
	Other modes	**0**	**0**	**0**	**0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[6] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
212	**Mining (except oil and gas)**			
	Total	**S**	**882**	**S**
	Less than 50 miles	60	681	15
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	90	95	105
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0	0	0
31–33	**Manufacturing**			
	Total	**569,249**	**318,489**	**144,352**
	Less than 50 miles	104,889	99,370	2,066
	50 to 99 miles	45,254	34,613	3,178
	100 to 249 miles	89,184	54,563	11,180
	250 to 499 miles	119,878	47,036	22,893
	500 to 749 miles	71,952	30,649	23,958
	750 to 999 miles	48,329	22,115	24,596
	1,000 to 1,499 miles	49,489	17,969	26,896
	1,500 to 1,999 miles	22,884	6,943	14,668
	2,000 miles or more	17,390	5,231	14,916
311	**Food manufacturing**			
	Total	**405,845**	**190,801**	**98,950**
	Less than 50 miles	78,135	45,798	1,099
	50 to 99 miles	35,300	21,714	1,992
	100 to 249 miles	65,944	33,823	6,909
	250 to 499 miles	74,754	31,200	14,182
	500 to 749 miles	53,921	22,162	17,266
	750 to 999 miles	33,460	12,685	13,598
	1,000 to 1,499 miles	38,112	13,786	20,475
	1,500 to 1,999 miles	15,969	5,678	11,993
	2,000 miles or more	10,251	3,955	11,436
312	**Beverage and tobacco product manufacturing**			
	Total	**11,049**	**14,620**	**7,847**
	Less than 50 miles	2,067	4,439	96
	50 to 99 miles	931	1,531	140
	100 to 249 miles	1,356	1,796	376
	250 to 499 miles	1,860	2,455	1,068
	500 to 749 miles	1,211	1,358	1,070
	750 to 999 miles	1,279	1,435	1,614
	1,000 to 1,499 miles	630	611	879
	1,500 to 1,999 miles	520	284	600
	2,000 miles or more	1,194	711	2,005
313	**Textile mills**			
	Total	**155**	**34**	**30**
	Less than 50 miles	S	S	Z
	50 to 99 miles	0	0	0
	100 to 249 miles	42	10	2
	250 to 499 miles	0	0	0
	500 to 749 miles	46	11	8
	750 to 999 miles	31	7	7
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	22	5	11
	2,000 miles or more	S	S	S
314	**Textile product mills**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
315	**Apparel manufacturing**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
316	**Leather and allied product manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	Z	Z
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
321	**Wood product manufacturing**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
322	**Paper manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	S	S	S
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
323	**Printing and related support activities**			
	Total	**S**	**S**	**1**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	S	S	S
	500 to 749 miles	4	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	Z	Z
324	**Petroleum and coal products manufacturing**			
	Total	**21,893**	**57,493**	**13,222**
	Less than 50 miles	6,495	32,506	451
	50 to 99 miles	2,796	5,034	487
	100 to 249 miles	5,090	9,126	1,926
	250 to 499 miles	4,753	5,916	3,847
	500 to 749 miles	883	1,711	1,631
	750 to 999 miles	1,188	2,302	3,325
	1,000 to 1,499 miles	512	747	1,169
	1,500 to 1,999 miles	65	S	S
	2,000 miles or more	111	103	S
325	**Chemical manufacturing**			
	Total	**123,124**	**52,031**	**23,662**
	Less than 50 miles	17,176	14,081	365
	50 to 99 miles	5,724	6,089	540
	100 to 249 miles	15,839	9,626	1,931
	250 to 499 miles	37,875	7,235	3,668
	500 to 749 miles	14,889	5,293	3,896
	750 to 999 miles	11,566	5,603	5,957
	1,000 to 1,499 miles	9,369	2,791	4,323
	1,500 to 1,999 miles	5,504	875	1,857
	2,000 miles or more	5,182	438	1,123
326	**Plastics and rubber products manufacturing**			
	Total	**1,741**	**436**	**313**
	Less than 50 miles	103	S	S
	50 to 99 miles	65	10	1
	100 to 249 miles	387	63	13
	250 to 499 miles	319	S	S
	500 to 749 miles	317	64	51
	750 to 999 miles	238	29	31
	1,000 to 1,499 miles	127	15	23
	1,500 to 1,999 miles	102	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
327	**Nonmetallic mineral product manufacturing**			
	Total	**350**	**2,649**	**127**
	Less than 50 miles	155	2,413	49
	50 to 99 miles	S	S	S
	100 to 249 miles	7	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	5	S	S
	750 to 999 miles	151	37	45
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	12	3	7
	2,000 miles or more	0	0	0
331	**Primary metal manufacturing**			
	Total	**533**	**S**	**14**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	43	21	3
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
332	**Fabricated metal product manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	1
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	S	S	S
333	**Machinery manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	20	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0	0	0
334	**Computer and electronic product manufacturing**			
	Total	**1,373**	**S**	**S**
	Less than 50 miles	29	Z	S
	50 to 99 miles	S	S	S
	100 to 249 miles	191	S	S
	250 to 499 miles	S	2	1
	500 to 749 miles	S	S	S
	750 to 999 miles	113	S	S
	1,000 to 1,499 miles	345	6	10
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
335	**Electrical equipment, appliance, and component manufacturing**			
	Total	**44**	**1**	**1**
	Less than 50 miles	S	S	S
	50 to 99 miles	0	0	0
	100 to 249 miles	S	S	S
	250 to 499 miles	2	Z	Z
	500 to 749 miles	22	Z	Z
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	15	Z	Z
	1,500 to 1,999 miles	2	Z	Z
	2,000 miles or more	0	0	0
336	**Transportation equipment manufacturing**			
	Total	**S**	**Z**	**Z**
	Less than 50 miles	0	0	0
	50 to 99 miles	S	S	S
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	S	Z	Z

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
337	**Furniture and related product manufacturing**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
339	**Miscellaneous manufacturing**			
	Total	**2,738**	**74**	**48**
	Less than 50 miles	407	S	S
	50 to 99 miles	94	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	110	3	2
	500 to 749 miles	531	S	S
	750 to 999 miles	244	S	S
	1,000 to 1,499 miles	351	S	S
	1,500 to 1,999 miles	449	S	S
	2,000 miles or more	288	S	S
42	**Wholesale trade**			
	Total	**810,148**	**273,843**	**57,502**
	Less than 50 miles	332,838	126,354	3,322
	50 to 99 miles	162,108	49,023	4,415
	100 to 249 miles	191,177	57,823	11,018
	250 to 499 miles	61,059	18,586	7,839
	500 to 749 miles	20,914	7,354	5,752
	750 to 999 miles	14,378	4,553	4,942
	1,000 to 1,499 miles	11,657	5,127	7,807
	1,500 to 1,999 miles	7,866	2,649	5,748
	2,000 miles or more	8,151	2,375	6,660
423	**Merchant wholesalers, durable goods**			
	Total	**9,775**	**1,845**	**559**
	Less than 50 miles	2,199	827	19
	50 to 99 miles	857	210	19
	100 to 249 miles	1,582	284	59
	250 to 499 miles	2,047	187	89
	500 to 749 miles	S	73	57
	750 to 999 miles	1,129	S	S
	1,000 to 1,499 miles	667	S	S
	1,500 to 1,999 miles	69	S	S
	2,000 miles or more	217	S	S
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4232	**Furniture and home furnishing merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	S	S	S
4233	**Lumber and other construction materials merchant wholesalers**			
	Total	**286**	**536**	**S**
	Less than 50 miles	190	383	10
	50 to 99 miles	17	44	4
	100 to 249 miles	57	84	14
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4234	**Professional and commercial equipment and supplies merchant wholesalers**			
	Total	**7,728**	**885**	**440**
	Less than 50 miles	1,161	173	4
	50 to 99 miles	727	104	9
	100 to 249 miles	1,166	154	36
	250 to 499 miles	1,966	164	79
	500 to 749 miles	S	66	51
	750 to 999 miles	1,095	S	S
	1,000 to 1,499 miles	380	S	S
	1,500 to 1,999 miles	58	S	S
	2,000 miles or more	210	S	S
4235	**Metal and mineral (except petroleum) merchant wholesalers**			
	Total	**85**	**49**	**7**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	75	30	6
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
4236	**Electrical and electronic goods merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	1	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4238	**Machinery, equipment, and supplies merchant wholesalers**			
	Total	**609**	**S**	**S**
	Less than 50 miles	384	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	6	Z	Z
	2,000 miles or more	1	S	S
4239	**Miscellaneous durable goods merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	Z	Z
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
424	**Merchant wholesalers, nondurable goods**			
	Total	**800,372**	**271,998**	**56,943**
	Less than 50 miles	330,640	125,527	3,303
	50 to 99 miles	161,251	48,812	4,396
	100 to 249 miles	189,595	57,538	10,959
	250 to 499 miles	59,012	18,400	7,750
	500 to 749 miles	19,905	7,280	5,695
	750 to 999 miles	13,248	4,325	4,704
	1,000 to 1,499 miles	10,990	5,118	7,792
	1,500 to 1,999 miles	7,797	2,633	5,714
	2,000 miles or more	7,934	2,365	6,631

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4241	**Paper and paper product merchant wholesalers**			
	Total	**639**	**151**	**11**
	Less than 50 miles	431	90	3
	50 to 99 miles	116	37	3
	100 to 249 miles	54	19	3
	250 to 499 miles	S	5	2
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4242	**Drugs and druggists' sundries merchant wholesalers**			
	Total	**196,611**	**1,350**	**517**
	Less than 50 miles	67,242	483	14
	50 to 99 miles	45,479	247	22
	100 to 249 miles	48,728	144	31
	250 to 499 miles	15,608	87	35
	500 to 749 miles	7,458	S	S
	750 to 999 miles	5,553	55	64
	1,000 to 1,499 miles	2,488	S	S
	1,500 to 1,999 miles	2,707	S	S
	2,000 miles or more	1,349	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4244	**Grocery and related product merchant wholesalers**			
	Total	**480,846**	**203,478**	**45,874**
	Less than 50 miles	218,337	89,284	2,418
	50 to 99 miles	92,629	38,929	3,467
	100 to 249 miles	102,856	43,531	8,403
	250 to 499 miles	32,481	14,019	5,798
	500 to 749 miles	10,275	5,141	3,906
	750 to 999 miles	6,963	3,640	3,939
	1,000 to 1,499 miles	6,985	4,262	6,405
	1,500 to 1,999 miles	4,640	2,513	5,468
	2,000 miles or more	5,679	2,159	6,070
4245	**Farm product raw material merchant wholesalers**			
	Total	**1,697**	**2,958**	**344**
	Less than 50 miles	1,258	S	S
	50 to 99 miles	90	164	21
	100 to 249 miles	47	S	S
	250 to 499 miles	161	106	83
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	4	10
4246	**Chemical and allied products merchant wholesalers**			
	Total	**2,270**	**3,790**	**856**
	Less than 50 miles	670	1,700	40
	50 to 99 miles	S	869	99
	100 to 249 miles	257	301	58
	250 to 499 miles	339	607	279
	500 to 749 miles	184	207	230
	750 to 999 miles	96	58	63
	1,000 to 1,499 miles	S	23	34
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
4247	**Petroleum and petroleum products merchant wholesalers**			
	Total	**18,120**	**37,153**	**2,546**
	Less than 50 miles	10,071	22,698	496
	50 to 99 miles	3,061	5,647	522
	100 to 249 miles	4,700	8,509	1,356
	250 to 499 miles	S	260	113
	500 to 749 miles	2	S	S
	750 to 999 miles	16	22	23
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table 27.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and distance shipped	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**			
	Total	**14,283**	**5,296**	**494**
	Less than 50 miles	9,984	4,066	76
	50 to 99 miles	2,078	594	55
	100 to 249 miles	1,289	390	64
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	27	S
	1,500 to 1,999 miles	55	11	25
	2,000 miles or more	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**			
	Total	**85,906**	**17,822**	**6,301**
	Less than 50 miles	22,648	4,725	155
	50 to 99 miles	17,331	2,325	208
	100 to 249 miles	31,665	4,513	1,011
	250 to 499 miles	9,947	3,281	1,427
	500 to 749 miles	1,693	1,530	1,244
	750 to 999 miles	478	512	573
	1,000 to 1,499 miles	1,245	760	S
	1,500 to 1,999 miles	316	57	119
	2,000 miles or more	585	119	325
4541	**Electronic shopping and mail-order houses**			
	Total	**27,088**	**1,450**	**185**
	Less than 50 miles	9,618	1,200	S
	50 to 99 miles	1,536	S	S
	100 to 249 miles	3,858	S	S
	250 to 499 miles	3,692	13	6
	500 to 749 miles	2,910	S	S
	750 to 999 miles	2,283	11	12
	1,000 to 1,499 miles	1,372	26	42
	1,500 to 1,999 miles	1,350	S	S
	2,000 miles or more	467	2	6
45431	**Fuel dealers**			
	Total	**1,060**	**975**	**22**
	Less than 50 miles	1,018	936	19
	50 to 99 miles	S	36	3
	100 to 249 miles	2	S	S
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
4931[4]	**Warehousing and storage**			
	Total	**162,927**	**55,327**	**8,437**
	Less than 50 miles	49,828	18,775	614
	50 to 99 miles	35,508	13,867	1,252
	100 to 249 miles	45,944	17,421	3,246
	250 to 499 miles	22,514	3,530	1,458
	500 to 749 miles	5,681	852	615
	750 to 999 miles	894	469	433
	1,000 to 1,499 miles	1,305	261	455
	1,500 to 1,999 miles	1,053	107	235
	2,000 miles or more	S	S	S
5111	**Newspaper, periodical, book, and directory publishers**			
	Total	**0**	**0**	**0**
	Less than 50 miles	0	0	0
	50 to 99 miles	0	0	0
	100 to 249 miles	0	0	0
	250 to 499 miles	0	0	0
	500 to 749 miles	0	0	0
	750 to 999 miles	0	0	0
	1,000 to 1,499 miles	0	0	0
	1,500 to 1,999 miles	0	0	0
	2,000 miles or more	0	0	0
551114	**Corporate, subsidiary, and regional managing offices**			
	Total	**49,470**	**17,259**	**2,597**
	Less than 50 miles	30,197	9,509	238
	50 to 99 miles	5,298	2,871	241
	100 to 249 miles	S	S	S
	250 to 499 miles	3,080	S	S
	500 to 749 miles	717	190	160
	750 to 999 miles	231	S	S
	1,000 to 1,499 miles	S	169	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	226	44	122

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
212	**Mining (except oil and gas)**				
	Total	**S**	**882**	**S**	**71**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	S	4
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	1	12	Z	S
	10,000 to 49,999 lbs.	43	566	16	28
	50,000 to 99,999 lbs.	S	139	3	18
	100,000 lbs. or more	157	166	180	1,079
31–33	**Manufacturing**				
	Total	**569,249**	**318,489**	**144,352**	**339**
	Less than 50 lbs.	12,973	172	63	440
	50 to 99 lbs.	3,344	147	28	194
	100 to 499 lbs.	11,757	1,582	252	161
	500 to 749 lbs.	5,021	1,110	182	165
	750 to 999 lbs.	3,642	996	222	222
	1,000 to 9,999 lbs.	73,852	24,188	7,642	290
	10,000 to 49,999 lbs.	412,584	222,260	99,756	445
	50,000 to 99,999 lbs.	16,106	28,556	6,173	204
	100,000 lbs. or more	29,970	39,478	30,033	949
311	**Food manufacturing**				
	Total	**405,845**	**190,801**	**98,950**	**214**
	Less than 50 lbs.	1,023	129	15	S
	50 to 99 lbs.	839	127	13	100
	100 to 499 lbs.	3,966	1,369	151	106
	500 to 749 lbs.	2,133	926	132	143
	750 to 999 lbs.	1,751	759	157	203
	1,000 to 9,999 lbs.	44,815	20,430	6,753	299
	10,000 to 49,999 lbs.	331,996	146,385	78,647	521
	50,000 to 99,999 lbs.	9,141	9,812	3,062	305
	100,000 lbs. or more	10,180	10,864	10,020	1,104
312	**Beverage and tobacco product manufacturing**				
	Total	**11,049**	**14,620**	**7,847**	**225**
	Less than 50 lbs.	S	S	S	612
	50 to 99 lbs.	18	2	S	544
	100 to 499 lbs.	99	107	4	S
	500 to 749 lbs.	58	129	5	39
	750 to 999 lbs.	71	166	9	S
	1,000 to 9,999 lbs.	991	1,779	183	S
	10,000 to 49,999 lbs.	8,857	11,473	7,313	554
	50,000 to 99,999 lbs.	636	824	202	248
	100,000 lbs. or more	S	S	S	1,123
313	**Textile mills**				
	Total	**155**	**34**	**30**	**1,026**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	24	3	4	1,802
	10,000 to 49,999 lbs.	131	31	26	821
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
314	**Textile product mills**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
315	**Apparel manufacturing**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
316	**Leather and allied product manufacturing**				
	Total	**S**	**S**	**S**	**1,172**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	Z	Z	Z	1,182
	10,000 to 49,999 lbs.	S	S	S	1,172
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
321	**Wood product manufacturing**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
322	**Paper manufacturing**				
	Total	**S**	**S**	**S**	**531**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	S	S	549
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	1,035
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
323	**Printing and related support activities**				
	Total	**S**	**S**	**1**	**1,877**
	Less than 50 lbs.	2	S	S	2,158
	50 to 99 lbs.	S	Z	S	1,469
	100 to 499 lbs.	S	S	S	1,288
	500 to 749 lbs.	S	Z	S	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
324	**Petroleum and coal products manufacturing**				
	Total	**21,893**	**57,493**	**13,222**	**129**
	Less than 50 lbs.	S	S	S	310
	50 to 99 lbs.	S	Z	S	289
	100 to 499 lbs.	S	S	S	450
	500 to 749 lbs.	4	1	S	243
	750 to 999 lbs.	8	3	S	300
	1,000 to 9,999 lbs.	S	646	26	65
	10,000 to 49,999 lbs.	8,490	28,039	2,416	75
	50,000 to 99,999 lbs.	4,764	14,204	1,401	102
	100,000 lbs. or more	7,844	14,594	9,376	948
325	**Chemical manufacturing**				
	Total	**123,124**	**52,031**	**23,662**	**1,004**
	Less than 50 lbs.	9,755	32	38	1,206
	50 to 99 lbs.	2,208	15	12	876
	100 to 499 lbs.	6,894	79	90	1,158
	500 to 749 lbs.	2,567	41	37	934
	750 to 999 lbs.	1,680	S	S	841
	1,000 to 9,999 lbs.	26,199	1,246	626	582
	10,000 to 49,999 lbs.	60,623	33,488	10,932	342
	50,000 to 99,999 lbs.	1,514	3,592	S	332
	100,000 lbs. or more	11,684	13,477	10,379	837
326	**Plastics and rubber products manufacturing**				
	Total	**1,741**	**436**	**313**	**947**
	Less than 50 lbs.	S	S	S	942
	50 to 99 lbs.	S	S	S	1,049
	100 to 499 lbs.	87	1	S	1,170
	500 to 749 lbs.	77	2	2	924
	750 to 999 lbs.	43	S	S	1,030
	1,000 to 9,999 lbs.	474	23	20	966
	10,000 to 49,999 lbs.	1,028	231	180	773
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	21	S	S	608

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
327	**Nonmetallic mineral product manufacturing**				
	Total	**350**	**2,649**	**127**	**S**
	Less than 50 lbs.	S	S	Z	937
	50 to 99 lbs.	S	S	Z	S
	100 to 499 lbs.	S	S	Z	S
	500 to 749 lbs.	S	S	S	1,261
	750 to 999 lbs.	2	Z	Z	1,234
	1,000 to 9,999 lbs.	43	38	6	S
	10,000 to 49,999 lbs.	262	2,265	89	S
	50,000 to 99,999 lbs.	20	S	11	S
	100,000 lbs. or more	13	S	20	S
331	**Primary metal manufacturing**				
	Total	**533**	**S**	**14**	**638**
	Less than 50 lbs.	S	S	S	1,096
	50 to 99 lbs.	S	S	S	657
	100 to 499 lbs.	S	S	S	1,008
	500 to 749 lbs.	S	Z	S	783
	750 to 999 lbs.	S	S	Z	S
	1,000 to 9,999 lbs.	S	1	S	S
	10,000 to 49,999 lbs.	400	202	12	56
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
332	**Fabricated metal product manufacturing**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	4	1	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	1,660
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
333	**Machinery manufacturing**				
	Total	**S**	**S**	**S**	**758**
	Less than 50 lbs.	S	S	S	913
	50 to 99 lbs.	1	Z	S	927
	100 to 499 lbs.	S	1	S	691
	500 to 749 lbs.	2	S	Z	S
	750 to 999 lbs.	S	S	Z	S
	1,000 to 9,999 lbs.	S	S	S	667
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
334	**Computer and electronic product manufacturing**				
	Total	**1,373**	**S**	**S**	**1,611**
	Less than 50 lbs.	669	S	S	1,629
	50 to 99 lbs.	S	S	S	1,733
	100 to 499 lbs.	26	1	Z	905
	500 to 749 lbs.	S	S	S	2,267
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	199	6	8	1,318
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
335	**Electrical equipment, appliance, and component manufacturing**				
	Total	**44**	**1**	**1**	**1,049**
	Less than 50 lbs.	S	Z	Z	1,057
	50 to 99 lbs.	S	Z	Z	910
	100 to 499 lbs.	6	Z	Z	1,082
	500 to 749 lbs.	3	Z	Z	1,341
	750 to 999 lbs.	4	Z	Z	880
	1,000 to 9,999 lbs.	25	Z	Z	1,003
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
336	**Transportation equipment manufacturing**				
	Total	**S**	**Z**	**Z**	**1,708**
	Less than 50 lbs.	S	Z	Z	2,625
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	Z	Z	1,116
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
337	**Furniture and related product manufacturing**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
339	**Miscellaneous manufacturing**				
	Total	**2,738**	**74**	**48**	**510**
	Less than 50 lbs.	1,263	2	3	624
	50 to 99 lbs.	89	S	1	S
	100 to 499 lbs.	568	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	58	S	1	S
	1,000 to 9,999 lbs.	250	5	3	624
	10,000 to 49,999 lbs.	331	30	32	1,081
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
42	**Wholesale trade**				
	Total	**810,148**	**273,843**	**57,502**	**146**
	Less than 50 lbs.	90,140	1,015	181	231
	50 to 99 lbs.	37,971	1,313	134	99
	100 to 499 lbs.	96,796	12,317	1,121	91
	500 to 749 lbs.	33,021	7,457	664	89
	750 to 999 lbs.	32,682	6,917	648	93
	1,000 to 9,999 lbs.	300,610	98,078	15,294	140
	10,000 to 49,999 lbs.	189,940	103,040	28,839	256
	50,000 to 99,999 lbs.	19,787	30,822	3,722	121
	100,000 lbs. or more	9,202	12,885	6,899	531
423	**Merchant wholesalers, durable goods**				
	Total	**9,775**	**1,845**	**559**	**434**
	Less than 50 lbs.	4,025	107	43	460
	50 to 99 lbs.	940	60	23	351
	100 to 499 lbs.	955	182	53	299
	500 to 749 lbs.	S	63	3	50
	750 to 999 lbs.	S	55	S	208
	1,000 to 9,999 lbs.	997	421	S	330
	10,000 to 49,999 lbs.	1,813	525	228	385
	50,000 to 99,999 lbs.	173	339	33	S
	100,000 lbs. or more	S	S	S	S
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4232	**Furniture and home furnishing merchant wholesalers**				
	Total	**S**	**S**	**S**	**482**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	Z	S	S
	100 to 499 lbs.	S	S	S	796
	500 to 749 lbs.	S	Z	S	S
	750 to 999 lbs.	1	S	S	S
	1,000 to 9,999 lbs.	S	S	S	233
	10,000 to 49,999 lbs.	S	6	S	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0	0	0	0
4233	**Lumber and other construction materials merchant wholesalers**				
	Total	**286**	**536**	**S**	**166**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	6	S	119
	10,000 to 49,999 lbs.	S	121	S	468
	50,000 to 99,999 lbs.	154	314	S	57
	100,000 lbs. or more	S	S	S	S

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	Total	**7,728**	**885**	**440**	**448**
	Less than 50 lbs.	3,893	102	41	469
	50 to 99 lbs.	936	59	23	355
	100 to 499 lbs.	802	166	51	316
	500 to 749 lbs.	S	39	2	61
	750 to 999 lbs.	S	43	S	258
	1,000 to 9,999 lbs.	418	S	S	540
	10,000 to 49,999 lbs.	1,433	248	164	635
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	Total	**85**	**49**	**7**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	1	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	75	30	6	204
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4236	**Electrical and electronic goods merchant wholesalers**				
	Total	**S**	**S**	**S**	**224**
	Less than 50 lbs.	S	Z	S	312
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	6	S	S	349
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	Total	**609**	**S**	**S**	**S**
	Less than 50 lbs.	110	4	S	S
	50 to 99 lbs.	S	S	Z	S
	100 to 499 lbs.	S	14	1	61
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	5	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	77	9	115
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0	0	0	0
4239	**Miscellaneous durable goods merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	S	Z	S	S
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	43	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
424	**Merchant wholesalers, nondurable goods**				
	Total	**800,372**	**271,998**	**56,943**	**126**
	Less than 50 lbs.	86,114	908	138	177
	50 to 99 lbs.	37,031	1,252	111	88
	100 to 499 lbs.	95,841	12,135	1,068	87
	500 to 749 lbs.	32,925	7,395	660	89
	750 to 999 lbs.	31,954	6,863	636	92
	1,000 to 9,999 lbs.	299,614	97,657	15,132	139
	10,000 to 49,999 lbs.	188,126	102,515	28,612	256
	50,000 to 99,999 lbs.	19,614	30,483	3,689	121
	100,000 lbs. or more	9,153	12,791	6,896	537

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4241	**Paper and paper product merchant wholesalers**				
	Total	**639**	**151**	**11**	**S**
	Less than 50 lbs.	7	Z	S	S
	50 to 99 lbs.	S	1	S	60
	100 to 499 lbs.	S	24	2	91
	500 to 749 lbs.	S	S	S	65
	750 to 999 lbs.	S	11	1	57
	1,000 to 9,999 lbs.	299	102	7	76
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4242	**Drugs and druggists' sundries merchant wholesalers**				
	Total	**196,611**	**1,350**	**517**	**311**
	Less than 50 lbs.	76,479	70	22	347
	50 to 99 lbs.	26,685	45	8	167
	100 to 499 lbs.	33,745	160	38	223
	500 to 749 lbs.	5,413	45	11	S
	750 to 999 lbs.	6,833	S	15	S
	1,000 to 9,999 lbs.	35,835	439	132	S
	10,000 to 49,999 lbs.	10,563	397	292	755
	50,000 to 99,999 lbs.	S	S	Z	S
	100,000 lbs. or more	S	S	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4244	**Grocery and related product merchant wholesalers**				
	Total	**480,846**	**203,478**	**45,874**	**102**
	Less than 50 lbs.	6,076	682	71	110
	50 to 99 lbs.	6,618	1,023	66	63
	100 to 499 lbs.	39,706	10,069	739	71
	500 to 749 lbs.	19,195	6,150	492	80
	750 to 999 lbs.	17,292	5,531	489	88
	1,000 to 9,999 lbs.	220,078	87,482	13,690	139
	10,000 to 49,999 lbs.	162,053	83,227	25,847	272
	50,000 to 99,999 lbs.	6,153	5,641	1,748	310
	100,000 lbs. or more	3,674	3,674	2,733	935
4245	**Farm product raw material merchant wholesalers**				
	Total	**1,697**	**2,958**	**344**	**319**
	Less than 50 lbs.	S	S	S	778
	50 to 99 lbs.	S	S	S	621
	100 to 499 lbs.	S	6	S	70
	500 to 749 lbs.	S	S	Z	S
	750 to 999 lbs.	S	S	Z	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	262	S	82	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	188	S
4246	**Chemical and allied products merchant wholesalers**				
	Total	**2,270**	**3,790**	**856**	**S**
	Less than 50 lbs.	57	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	29	5	S
	500 to 749 lbs.	34	S	2	S
	750 to 999 lbs.	57	29	3	S
	1,000 to 9,999 lbs.	376	S	S	S
	10,000 to 49,999 lbs.	1,189	2,348	356	158
	50,000 to 99,999 lbs.	33	S	22	S
	100,000 lbs. or more	211	716	405	560
4247	**Petroleum and petroleum products merchant wholesalers**				
	Total	**18,120**	**37,153**	**2,546**	**50**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	1	S
	500 to 749 lbs.	S	S	Z	S
	750 to 999 lbs.	13	10	S	51
	1,000 to 9,999 lbs.	229	S	S	S
	10,000 to 49,999 lbs.	5,085	11,879	770	57
	50,000 to 99,999 lbs.	12,106	23,306	1,695	72
	100,000 lbs. or more	S	S	67	S

See footnotes at end of table.

Table 28.

Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

NAICS code	NAICS title and shipment weight	Value (million dollars)	Tons (thousands)	Ton-miles[3] (millions)	Average miles per shipment
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	Total	**14,283**	**5,296**	**494**	**66**
	Less than 50 lbs.	348	45	5	S
	50 to 99 lbs.	345	57	5	80
	100 to 499 lbs.	3,534	813	43	54
	500 to 749 lbs.	1,107	399	18	44
	750 to 999 lbs.	949	397	16	40
	1,000 to 9,999 lbs.	5,945	2,663	157	52
	10,000 to 49,999 lbs.	2,035	918	S	155
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	Total	**85,906**	**17,822**	**6,301**	**276**
	Less than 50 lbs.	3,092	103	S	361
	50 to 99 lbs.	3,270	114	31	269
	100 to 499 lbs.	18,219	991	240	257
	500 to 749 lbs.	7,014	673	137	200
	750 to 999 lbs.	6,691	698	113	161
	1,000 to 9,999 lbs.	36,607	5,500	1,048	184
	10,000 to 49,999 lbs.	6,938	3,403	1,013	266
	50,000 to 99,999 lbs.	334	528	178	380
	100,000 lbs. or more	3,739	5,812	3,502	630
4541	**Electronic shopping and mail-order houses**				
	Total	**27,088**	**1,450**	**185**	**375**
	Less than 50 lbs.	22,490	311	108	538
	50 to 99 lbs.	2,586	328	S	S
	100 to 499 lbs.	1,983	S	S	48
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
45431	**Fuel dealers**				
	Total	**1,060**	**975**	**22**	**20**
	Less than 50 lbs.	8	2	Z	19
	50 to 99 lbs.	16	6	Z	18
	100 to 499 lbs.	231	151	3	19
	500 to 749 lbs.	118	100	2	22
	750 to 999 lbs.	134	119	3	21
	1,000 to 9,999 lbs.	495	512	12	23
	10,000 to 49,999 lbs.	S	S	S	20
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
4931[4]	**Warehousing and storage**				
	Total	**162,927**	**55,327**	**8,437**	**306**
	Less than 50 lbs.	6,332	14	6	699
	50 to 99 lbs.	2,572	15	3	187
	100 to 499 lbs.	S	57	11	194
	500 to 749 lbs.	664	60	S	494
	750 to 999 lbs.	700	57	8	127
	1,000 to 9,999 lbs.	31,821	4,987	921	177
	10,000 to 49,999 lbs.	109,531	44,672	6,563	147
	50,000 to 99,999 lbs.	S	S	S	73
	100,000 lbs. or more	437	872	558	619
5111	**Newspaper, periodical, book, and directory publishers**				
	Total	**0**	**0**	**0**	**0**
	Less than 50 lbs.	0	0	0	0
	50 to 99 lbs.	0	0	0	0
	100 to 499 lbs.	0	0	0	0
	500 to 749 lbs.	0	0	0	0
	750 to 999 lbs.	0	0	0	0
	1,000 to 9,999 lbs.	0	0	0	0
	10,000 to 49,999 lbs.	0	0	0	0
	50,000 to 99,999 lbs.	0	0	0	0
	100,000 lbs. or more	0	0	0	0
551114	**Corporate, subsidiary, and regional managing offices**				
	Total	**49,470**	**17,259**	**2,597**	**369**
	Less than 50 lbs.	2,054	5	3	940
	50 to 99 lbs.	82	S	Z	S
	100 to 499 lbs.	580	S	S	S
	500 to 749 lbs.	146	S	4	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	224	S
	10,000 to 49,999 lbs.	31,913	S	S	S
	50,000 to 99,999 lbs.	810	880	83	S
	100,000 lbs. or more	531	S	S	1,156

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 29.

Shipment Characteristics of Temperature Controlled Shipments[1] by Origin State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Origin state	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
Total	**1,620,164**	**668,225**	**213,293**	**204**
Alabama	29,973	9,989	3,787	313
Alaska	3,647	1,817	453	238
Arizona	21,653	7,684	2,256	156
Arkansas	23,790	9,648	2,717	133
California	189,717	67,859	23,049	289
Colorado	23,010	10,780	4,784	323
Connecticut	20,965	11,555	918	118
Delaware	10,805	2,618	441	326
District of Columbia	534	145	S	S
Florida	63,279	26,543	11,571	346
Georgia	52,748	16,458	5,734	230
Hawaii	3,612	1,009	116	578
Idaho	5,392	4,994	5,570	162
Illinois	124,542	46,701	17,427	181
Indiana	31,596	13,810	3,584	233
Iowa	26,261	12,419	6,555	235
Kansas	35,292	13,523	5,046	530
Kentucky	14,896	8,376	1,948	156
Louisiana	23,575	23,890	10,915	137
Maine	6,811	3,841	935	133
Maryland	26,597	8,375	934	69
Massachusetts	45,474	13,655	2,211	152
Michigan	38,803	21,926	4,223	132
Minnesota	35,191	17,338	4,690	166
Mississippi	12,785	7,697	2,674	208
Missouri	33,913	15,704	3,836	170
Montana	2,223	2,849	2,877	231
Nebraska	28,945	8,648	3,857	327
Nevada	7,694	2,774	551	79
New Hampshire	3,209	970	S	S
New Jersey	71,495	23,914	4,232	110
New Mexico	4,968	1,558	819	S
New York	68,090	34,562	4,813	71
North Carolina	57,548	16,502	5,611	148
North Dakota	3,039	3,068	2,336	310
Ohio	59,370	27,854	7,711	195
Oklahoma	12,422	8,440	2,893	168
Oregon	14,010	6,691	2,322	205
Pennsylvania	75,212	29,333	5,704	131
Rhode Island	9,274	1,287	110	S
South Carolina	13,654	5,059	1,326	105
South Dakota	3,956	1,615	1,072	229
Tennessee	41,205	9,200	2,171	298
Texas	100,975	42,272	14,096	414
Utah	14,141	5,495	2,737	328
Vermont	3,011	1,639	661	S
Virginia	26,344	11,203	2,680	128
Washington	40,333	18,692	8,712	199
West Virginia	5,745	1,844	620	108
Wisconsin	47,130	22,336	7,577	296
Wyoming	1,309	2,063	1,028	192

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Table 30.

Shipment Characteristics of Temperature Controlled Shipments[1] by Destination State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey. Because of rounding, estimates may not be additive]

Destination state	Value (million dollars)	Tons (thousands)	Ton-miles[2] (millions)	Average miles per shipment
Total	**1,620,164**	**668,225**	**213,293**	**204**
Alabama	18,780	9,783	2,882	274
Alaska	7,328	2,793	3,353	1,107
Arizona	25,086	9,123	4,326	212
Arkansas	25,127	11,342	2,533	212
California	174,056	67,302	22,174	240
Colorado	20,976	8,804	2,689	249
Connecticut	26,337	11,205	1,512	122
Delaware	3,755	2,437	423	140
District of Columbia	2,533	788	84	186
Florida	71,356	26,487	11,021	257
Georgia	53,583	18,397	8,131	208
Hawaii	3,937	1,157	502	172
Idaho	6,593	3,424	1,152	236
Illinois	106,728	37,332	12,135	140
Indiana	34,623	13,760	3,649	169
Iowa	21,833	10,868	3,293	184
Kansas	25,080	11,625	3,133	327
Kentucky	26,553	9,795	4,224	187
Louisiana	27,837	14,682	3,691	219
Maine	8,777	4,019	1,207	187
Maryland	28,522	10,171	3,381	252
Massachusetts	48,016	13,453	3,662	211
Michigan	42,424	22,556	5,546	200
Minnesota	29,799	15,191	3,340	177
Mississippi	10,613	5,958	1,450	259
Missouri	35,518	18,672	4,403	231
Montana	5,043	1,980	1,267	606
Nebraska	14,280	6,607	1,918	318
Nevada	13,111	4,075	1,759	316
New Hampshire	6,368	2,041	291	113
New Jersey	50,224	21,769	5,551	148
New Mexico	5,491	2,179	1,040	235
New York	103,870	45,602	10,902	112
North Carolina	42,901	15,000	5,323	230
North Dakota	3,416	1,279	430	495
Ohio	58,559	27,985	7,021	165
Oklahoma	14,816	8,136	2,536	323
Oregon	18,537	7,918	3,470	363
Pennsylvania	72,269	29,353	9,161	176
Rhode Island	6,563	2,555	217	S
South Carolina	21,308	7,055	2,310	244
South Dakota	3,418	1,815	552	313
Tennessee	36,769	10,590	3,300	288
Texas	110,406	51,038	22,747	263
Utah	13,509	5,439	3,332	444
Vermont	2,766	973	268	185
Virginia	37,271	12,570	3,741	251
Washington	35,841	16,415	5,740	172
West Virginia	5,617	2,247	395	217
Wisconsin	49,972	20,774	5,557	204
Wyoming	2,072	1,703	569	341

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: Value-of-shipments estimates have not been adjusted for price changes. Appendix B tables provide estimated measures of sampling variability. The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/econ/cfs>.

Appendix A.
Comparability With the 2007, 2002, 1997, and 1993 Commodity Flow Surveys

The following tables show a comparison of the commodity classification system, industry coverage, sample size, sample weeks, reported mode of transportation, and data items requested for each shipment among the 1993, 1997, 2002, 2007, and 2012 Commodity Flow Surveys (CFS).

Commodity Classification System

1993	1997, 2002, 2007, and 2012
Standard Transportation Commodity Code (STCC), developed by the Association of American Railroads (AAR)	Standard Classification of Transported Goods (SCTG)

Industry Coverage

1993 CFS and 1997 CFS	2002 CFS	2007 CFS	2012 CFS
Establishments classified based on the 1987 Standard Industrial Classification (SIC) system	Establishments classified based on the 1997 North American Industry Classification System (NAICS)	Establishments classified based on the 2002 NAICS	Establishments classified based on 2007 NAICS
Publishers were covered—classified in Manufacturing Division	Publishers were not covered—classified in information sector[1]	Publishers were covered—classified in information sector[1]	Publishers were covered—classified in Information Sector[1]
Logging covered—under Manufacturing Division	Logging not covered[2]	Logging not covered[2]	Logging not covered
Other Manufacturing (excluding Printing Trade Services [SIC 279])	Other manufacturing (excluding Prepress services [NAICS 323122])	Other manufacturing (excluding Prepress services [NAICS 323122])	Manufacturing (excluding Prepress Services [NAICS 323122])
Mining (except mining services [SICs 108, 124, 138, 148] and oil and gas extraction [SICs 131 and 132])	Mining (except support activi-ties [NAICS 213] and oil and gas extraction [NAICS 211])	Mining (except support activi-ties [NAICS 213] and oil and gas extraction [NAICS 211])	Mining (except support activi-ties [NAICS 213] and oil and gas extraction [NAICS 211])
Wholesale (merchants and manufacturers' sales branches and government-owned liquor stores)	Wholesale (merchants and manufacturers' sales branches and government-owned liquor stores)	Wholesale (merchants and manufacturers' sales branches and government-owned liquor stores)	Wholesale (merchants and manu-facturers' sales branches and own brand importers)
Retail—catalog and mail-order houses	Retail—electronic shopping and mail-order houses	Retail—electronic shopping and mail-order houses, fuel dealers	Retail—electronic shopping and mail-order houses, fuel dealers
Auxiliaries (managing offices, warehouses)	Auxiliaries (managing offices, warehouses)	Auxiliaries (managing offices, warehouses)[3]	Auxiliaries (managing offices, ware-houses and trucking)[3]

[1] Under NAICS, publishers were reclassified from Manufacturing (SIC 2711, 2721, 2731, 2741, and part of 2771) to Information (NAICS 5111 and 51223) and were excluded in the 2002 CFS. In 2007, Music Publishers (NAICS 51223) was tabulated and published in Newspaper, Periodical, Book and Directory Publishers (NAICS 5111). However, for the 2012 cycle, NAICS 51223 was not sampled.

[2] Because of changes in the classification of establishments between SIC and NAICS, logging establishments (NAICS 1133), which were covered as part of Manufacturing in the 1993 and 1997 surveys, were not included in 2002 and 2007. Detailed information about NAICS classification can be found on the Census Bureau's NAICS Web site.

[3] While included in all surveys, the procedures for identifying in-scope auxiliary establishments have changed over the years. For the 1997 CFS, a managing office was considered in-scope only if it had sales or end-of-year inventories in the 1992 Census. Research conducted prior to the 2002 CFS showed that not all managing offices with shipping activity in the 1997 CFS indicated sales or inventories in the 1997 Economic Census. Consequently, the 1997 Economic Census results were not used to determine scope for managing offices in the 2002 CFS. For 2002, an auxiliary was included if it supported an in-scope or retail company. For the 2007 CFS, an advance survey of approximately 40,000 auxiliary establishments was conducted in 2006 to identify those auxiliary establishments with shipping activity. Those that indicated that shipping was performed (as well as nonrespondents) were included in the CFS sample universe. For the 2012 CFS, a targeted advance survey (precanvass) of approximately 100,000 establishments was conducted in 2011 to identify those establishments that actually conduct shipping activities. In these groups, surveyed establishments that reported that they did not conduct any shipping activity were excluded from the eventual CFS sample universe.

CFS Sample Size and Sample Frame

	Number of establishments in each CFS cycle				
	1993	1997	2002	2007	2012
Sample size	197,176	102,739	51,005	102,369	102,565
Sample frame size (approximately)	790,000	770,000	760,000	754,000	716,000

Sample Weeks

1993	1997, 2002, 2007, and 2012
Respondents were asked to select a sample of their individual outbound shipments during a 2-week period in each of the four calendar quarters of the year 1993, and report key characteristics (e.g., commodity, weight, value and destination) for each of the sampled shipments	Respondents were asked to select a sample of their individual outbound shipments during a 1-week period in each of the four calendar quarters of the reference CFS year, and report key characteristics (e.g., commodity, weight, value, and destination) for each of the sample shipments

Reported Mode of Transportation

1993	1997, 2002, and 2007	2012
For-hire truck	For-hire truck	For-hire truck
Private truck	Private truck	Private truck
Rail	Rail	Rail
Air	Air	Air
Inland water	Shallow draft vessel	Inland water
Deep sea water	Deep draft vessel	Deep sea
Pipeline	Pipeline	Pipeline
Parcel, U.S. Postal Service, or courier	Parcel, U.S. Postal Service, or courier	Parcel, U.S. Postal Service, or courier
Other	Other	Other
Unknown	Unknown	Unknown

Data Items Requested for Each Shipment

1993	1997	2002 and 2007	2012
For each shipment:	For each shipment:	For each shipment:	For each shipment:
Shipment ID	Shipment ID	Shipment ID	Shipment ID
Shipment date	Shipment date	Shipment date	Shipment date
Total value	Total value	Total value	Total value
Total weight	Total weight	Total weight	Total weight
Standard Transportation Commodity Code (STCC) of the commodity that contributes the most to the shipment's weight	Standard Classification of Transported Goods (SCTG) code of the commodity that contributes the most to the shipment's weight	SCTG code of the commodity that contributes the most to the shipment's weight	SCTG code of the commodity that contributes the most to the shipment's weight
Commodity description	Commodity description	Commodity description	Commodity description
All known modes of transportation	All known modes of transportation	All known modes of transportation in the order used	All known modes of transportation in the order used
Single origin (assumed to be the mailing address unless the respondent provided a different physical location address)	Single origin (assumed to be the mailing address unless the respondent provided a different physical location address)	Single origin (assumed to be the mailing address unless the respondent provided a different physical location address)	Single origin (assumed to be the mailing address unless the respondent provided a different physical location address)
Destination	Destination	Destination	Destination
Containerized (Y/N)	Containerized (Y/N)	NA	NA
NA	NA	Intermodal (Y/N)	NA
NA	NA	NA	Temperature controlled (Y/N)
Hazardous material (Y/N)	Hazardous material—United Nations or North American (UN/NA) code	Hazardous material—UN/NA code	Hazardous material—UN/NA code
Export (Y/N)	Export (Y/N)	Export (Y/N)	Export (Y/N)
If export: U.S. exit gateway, mode(s) of transport to the gateway, foreign city and country of destination, and mode(s) of export	If export: U.S. exit gateway, mode(s) of transport to the gateway, foreign city and country of destination, and mode(s) of export	If export: U.S. exit gateway, mode(s) of transport to the gateway, foreign city and country of destination, and mode(s) of export	If export: U.S. exit gateway, mode(s) of transport to the gateway, foreign city and country of destination, and mode(s) of export

NA Not available.

Data Items Requested for Each Establishment

1993, 1997, and 2002	2007	2012
NA	Third party logistics (3PL) usage	NA
NA	NA	Rush delivery usage

NA Not available.

Appendix B.
Reliability of the Estimates

INTRODUCTION

The estimates presented by the 2012 CFS may differ from the actual, unknown population values. The difference between the estimate and the population value is known as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate.

The sampling error of the estimates in this publication can be estimated from the selected sample because the sample was selected using probability sampling. Common measures related to sampling error are the sampling variance, the standard error, and the coefficient of variation (CV). The sampling variance is the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers.

Nonsampling errors are difficult to measure and can be introduced through inadequacies in the questionnaire, nonresponse, inaccurate reporting by respondents, errors in the application of survey procedures, incorrect recording of answers, and errors in data entry and processing. In conducting the 2012 CFS, every effort has been made to minimize the effect of nonsampling errors on the estimates. Data users should take into account both the measures of sampling error and the potential effects of nonsampling error when using these estimates.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with results that would be obtained from a complete enumeration of all shipments made in 2012 from all establishments included on the sampling frame using the same enumeration procedures is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling (See Appendix C).

The particular sample of shipments used in this survey is one of a large number of samples of the same size that could have been selected using the same design. If all possible samples had been surveyed under the same conditions, an estimate of a population parameter of interest could have been obtained from each sample. These samples give rise to a distribution of estimates for the population parameter. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The standard error is defined as the square root of the variance. The coefficient of variation (or relative standard error) of an estimator is the standard error of the estimator divided by the estimator. For the CFS, the coefficient of variation also incorporates the effect of the noise infusion disclosure avoidance method (see Disclosure Avoidance below). Note that measures of sampling variability, such as the standard error and coefficient of variation, are estimated from the sample and are also subject to sampling variability and, technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, for the sake of brevity, we have omitted this detail. It is important to note that the standard error only measures sampling variability. It does not measure systematic biases of the sample. The Census Bureau recommends that individuals using estimates contained in this report incorporate this information into their analyses, as sampling error could affect the conclusions drawn from these estimates.

An estimate from a particular sample and the standard error associated with the estimate can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability of containing the result of a complete enumeration of the sampling frame conducted under the same survey conditions. Associated with each interval is a percentage of confidence, which is interpreted as follows. If, for each possible sample, an estimate of a population parameter and its approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.833 standard errors below to 1.833 standard errors above the estimate would include the result as obtained from a complete enumeration of the sampling frame conducted under the same survey conditions.

2. For approximately 95 percent of the possible samples, the interval from 2.262 standard errors below to 2.262 standard errors above the estimate would include the result as obtained from a complete enumeration of the sampling frame conducted under the same survey conditions.

The 1.833 and 2.262 values, used to compute the 90 percent and 95 percent confidence intervals, are taken from the t-distribution with nine degrees of freedom. This takes into account the uncertainty in the estimates of the CVs and standard errors produced using the random group method with ten random groups.

To illustrate the computation of a confidence interval for an estimate of total value of shipments, assume that an estimate of total value is $10,750 million and the coefficient of variation for this estimate is 1.8 percent, or 0.018. First obtain the standard error of the estimate by multiplying the value of shipments estimate by its coefficient of variation. For this example, multiply $10,750 million by 0.018. This yields a standard error of $193.5 million. The upper and lower bounds of the 90 percent confidence interval are computed as $10,750 million plus or minus 1.833 times $193.5 million or $354.7 million. Consequently, the 90 percent confidence interval is $10,395 million to $11,105 million. If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 9 out of 10 (90 percent) of these intervals would contain the result obtained from a complete enumeration.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources:

- Inability to obtain information about all units in the sample.
- Response errors.
- Differences in the interpretation of the questions.
- Mistakes in coding or keying the data obtained.
- Other errors of collection, response, coverage, and processing.

Although no direct measurement of the potential biases due to nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence. The Census Bureau recommends that individuals using estimates in this report incorporate this information into their analyses, as nonsampling error could affect the conclusions drawn from these estimates.

Some possible sources of bias that are attributed to respondent-conducted sampling include:

- Misunderstanding the definition of a shipment.
- Constructing an incomplete frame of shipments from which to sample.
- Ordering the shipment sampling frame by selected shipment characteristics.
- Selecting shipment records by a method other than the one specified in the questionnaire's instructions.

The respondents who reported a shipment with unusually large value or weight when compared to the rest of their reported shipments were often contacted for verification. In such cases, if we were able to collect information on all of the large shipments a respondent had made either for a particular reporting week or for the entire quarter, we then identified those large shipments as certainty shipments.

A potential source of bias in the estimates is nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all units in the sample. Four levels of nonresponse can occur in the CFS:

- Item
- Shipment
- Quarter (reporting week)
- Establishment

Nonresponse

Item nonresponse occurs either when a particular shipment data item is unanswered or the response to the question fails computer or analyst edits. Nonresponse to the shipment value or weight items is corrected by imputation, which is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model. (See Appendix C for a description of the imputation procedure.)

Shipment, quarter, and establishment nonresponse describe the inability to obtain any of the substantive measurements about a sampled shipment, quarter, or establishment, respectively. Shipment and quarter nonresponse are corrected by reweighting (see Appendix C for the descriptions of the shipment and quarter nonresponse weights). Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents.

Establishment nonresponse is corrected during the estimation procedure by the industry-level adjustment weight. In most cases of establishment nonresponse, none of the four questionnaires have been returned to the Census Bureau after several attempts to elicit a response.

Response Rate

The CFS produces four different response rates: a participation response rate, a unit response rate, a weighted unit response rate, and a total quantity (item) response rate. The first three are based on the responses of the establishments selected into the survey. These unit response rates are shown in Table 1 below.

Table 1.
2012 CFS Unit Response Rates

Type of response rate	PRR, URR, WRR (percent)[1, 2, 3]
Participation	57.0
Unit	66.1
Weighted unit	76.7

[1] Participation Response Rate (PRR)—The Participation Response Rate is the total number of unweighted establishments that provided usable data divided by the total number of establishments in the sample (102,565) (expressed as a percentage). "Usable data" means that an establishment provided at least one shipment that was used in the tabulation of published estimates.
[2] Unit Response Rate (URR)—The Unit Response Rate is defined as the percentage of the total unweighted number of establishments that provided usable data to the total number of establishments that were eligible (or potentially eligible) for data collection. URRs are indicators of the performance of the data collection process in obtaining usable responses.
[3] Weighted Unit Response Rate (WRR)—The Weighted Unit Response Rate is defined as the percentage of the total weighted 2012 Economic Census adjusted receipts of establishments that provided usable data to the total weighted economic census adjusted receipts of establishments that were eligible (or potentially eligible) for data collection. This incorporates the size of the establishment as well as its sample weight into the measure of response.

The fourth rate is based on the quality of the individual shipment data reported by the responding establishments. These total quantity response rates for the 2012 CFS are shown in Table 2 below.

Table 2.
2012 CFS Total Quantity Response Rates

CFS variable	TQRR (percent)[1]
Value	51.9
Tons	50.9
Ton-miles	63.2

[1] Total Quantity Response Rate (TQRR)—The Total Quantity Response Rate is defined as the percentage of the estimated (weighted) total of a given data item (Value, Tons, or Ton-miles) that is based on reported shipment data or from sources determined to be of equivalent-quality-to-reported. The TQRR is an item-level indicator of the "quality" of each estimate. In contrast to the Unit Response Rate (URR), these weighted response rates are computed for individual data items, so CFS produces several TQRRs. The TQRR for the CFS is based on the weighting adjustments made for establishment, quarter, or shipment nonresponse.

DEFINITIONS OF TERMS

Confidentiality

Title 13 of the U.S. Code authorizes the Census Bureau to conduct censuses and surveys. Section 9 of Title 13 requires that any information collected from the public under the authority of Title 13 be maintained as confidential. Section 214 of Title 13 and Sections 3559 and 3571 of Title 18 of the U.S. Code provide for the imposition of penalties of up to 5 years in prison and up to $250,000 in fines for wrongful disclosure of confidential census information. In accordance with Title 13, no estimates are published that would disclose the operations of an individual firm.

The Census Bureau's internal Disclosure Review Board sets the confidentiality rules for all data releases. A checklist approach is used to ensure that all potential risks to the confidentiality of the data are considered and addressed.

Disclosure Avoidance

Disclosure is the release of data that have been deemed confidential. It generally reveals information about a specific individual or establishment or permits deduction of sensitive information about a particular individual or establishment. Disclosure avoidance is the process used to protect the confidentiality of the survey data provided by an individual or firm.

Using disclosure avoidance procedures, the Census Bureau modifies or removes the characteristics that put confidential information at risk of disclosure. Although it may appear that a table shows information about a specific individual or business, the Census Bureau has taken steps to disguise or suppress the original data while making sure the results are still useful. The techniques used by the Census Bureau to protect confidentiality in tabulations vary, depending on the type of data.

For the CFS, the primary method of disclosure avoidance is Noise Infusion. Noise Infusion is a method of disclosure avoidance in which values for each shipment are perturbed prior to tabulation by applying a random noise multiplier to shipment value and weight. Disclosure protection is accomplished in a manner that causes the vast majority of cell values to be perturbed by at most a few percentage points. For sample-based tabulations, such as CFS, the estimated relative standard error for a published cell includes both the estimated sampling error and the amount of perturbation in the estimated cell value due to noise. In extremely rare circumstances, some individual cells may be suppressed on a case-by-case basis for additional disclosure avoidance. In these cases, the data are replaced with a "D" in the tables. Other cells in the table may be suppressed because the quality of the data does not meet publication standards. By far, the most common reason for suppressing a cell is a high coefficient of variation (greater than 50 percent). These suppressed cells are shown with an "S" in the tables.

Unpublished Estimates

Estimates that had high sampling variability or poor response quality were not published. Some of these unpublished estimates can be derived directly from the CFS tables by subtracting published estimates from their respective totals. However, the (unpublished) estimates obtained by such subtraction would be subject to poor response, high sampling variability, or other factors that may make them potentially misleading. Estimates derived in this manner should not be attributed to the Census Bureau.

Individuals who use estimates in these tables to create new estimates should cite the Census Bureau as the source of only the original estimates.

More detailed descriptions for the 2012 CFS can be found in the sampling and nonsampling errors sections (see Sampling and Nonsampling Error in Appendix B).

Table B-1a.

Estimated Measures of Reliability for Shipment Characteristics by Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment— coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
All modes	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**	**3.4**
Single modes	**1.2**	**0.2**	**1.8**	**0.2**	**4.4**	**0.9**	**3.5**
Truck[2]	1.1	0.4	1.5	1.0	1.6	1.2	4.1
For-hire truck	0.8	0.3	2.1	0.8	1.6	1.2	4.3
Private truck	1.8	0.3	1.4	0.4	3.4	0.1	16.4
Rail	5.4	0.2	8.0	1.0	9.1	2.3	2.7
Water	16.5	0.3	13.2	0.6	14.9	1.0	12.9
Inland water	19.9	0.3	16.4	0.6	17.3	0.7	21.3
Great Lakes	25.0	Z	19.5	0.1	23.3	0.1	7.9
Deep sea	23.5	0.1	25.2	0.2	30.1	0.2	10.4
Multiple waterways	32.9	0.1	25.8	0.1	22.9	0.3	10.5
Air (includes truck and air)	4.5	0.1	7.2	Z	13.4	Z	8.8
Pipeline[3]	9.3	0.4	11.0	0.6	S	S	S
Multiple modes	**1.3**	**0.2**	**7.0**	**0.2**	**7.1**	**0.9**	**2.6**
Parcel, U.S. Postal Service, or courier	1.4	0.2	3.0	Z	2.6	Z	2.6
Truck and rail	5.5	0.1	7.2	0.1	5.7	0.4	6.0
Truck and water	15.4	Z	22.7	0.1	38.5	0.7	7.3
Rail and water	13.0	Z	20.1	0.1	26.2	0.3	25.6
Other multiple modes	33.3	Z	36.6	Z	32.2	Z	S
Other modes	**31.8**	**Z**	**18.1**	**0.1**	**22.7**	**Z**	**S**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-1b.

Estimated Measures of Reliability for Shipment Characteristics by Mode of Transportation for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Mode of transportation	Value			Tons			Ton-miles[1]			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
	2012	2007		2012	2007		2012	2007		2012	2007	
All modes	**1.1**	**0.8**	**1.6**	**1.8**	**1.6**	**2.2**	**3.7**	**3.6**	**4.5**	**3.4**	**2.5**	**4.3**
Single modes	**1.2**	**1.1**	**2.0**	**1.8**	**1.5**	**2.2**	**4.4**	**4.2**	**5.6**	**3.5**	**4.3**	**6.2**
Truck[2]	1.1	1.2	2.0	1.5	1.3	1.8	1.6	1.4	2.0	4.1	4.5	6.7
For-hire truck	0.8	1.5	2.2	2.1	1.8	2.9	1.6	1.7	2.4	4.3	5.2	5.7
Private truck	1.8	1.4	2.5	1.4	1.9	1.9	3.4	1.7	2.6	16.4	3.6	16.9
Rail	5.4	6.8	9.4	8.0	6.2	8.9	9.1	8.7	11.4	2.7	4.6	5.9
Water	16.5	11.0	52.1	13.2	8.1	22.1	14.9	11.5	23.1	12.9	13.1	32.2
Inland water	19.9	12.8	56.8	16.4	9.4	23.4	17.3	13.2	22.0	21.3	40.3	86.9
Great Lakes	25.0	S	S	19.5	23.8	54.3	23.3	22.9	51.9	7.9	15.3	9.1
Deep sea	23.5	17.5	76.1	25.2	12.3	48.1	30.1	23.9	25.8	10.4	12.0	19.9
Multiple waterways	32.9	X	X	25.8	X	X	22.9	X	X	10.5	X	X
Air (includes truck and air)	4.5	8.2	16.8	7.2	10.4	17.0	13.4	9.6	21.3	8.8	2.2	9.0
Pipeline[3]	9.3	6.6	15.5	11.0	6.5	12.5	S	S	S	S	S	S
Multiple modes	**1.3**	**1.8**	**2.3**	**7.0**	**5.3**	**5.5**	**7.1**	**5.1**	**5.7**	**2.6**	**2.3**	**3.3**
Parcel, U.S. Postal Service, or courier	1.4	2.1	2.7	3.0	2.6	3.3	2.6	3.0	3.2	2.6	2.4	3.3
Truck and rail	5.5	5.6	9.4	7.2	6.2	8.9	5.7	5.0	6.6	6.0	6.3	8.6
Truck and water	15.4	12.5	9.8	22.7	15.3	10.7	38.5	15.6	20.5	7.3	9.0	12.7
Rail and water	13.0	19.2	13.3	20.1	26.9	34.0	26.2	27.6	23.6	25.6	13.1	16.0
Other multiple modes	33.3	13.3	0.5	36.6	8.7	0.8	32.2	11.4	1.4	S	14.0	S
Other modes	**31.8**	**7.8**	**0.1**	**18.1**	**14.0**	**3.1**	**22.7**	**9.2**	**0.2**	**S**	**13.0**	**S**

S Withheld because estimate did not meet publication standards.
X Not applicable.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>..

Table B-1c.

Estimated Standard Errors for Shipment Characteristics by Mode of Transportation for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Mode of transportation	Value—standard error		Tons—standard error		Ton-miles[1]—standard error	
	2012	2007	2012	2007	2012	2007
All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Single modes	**0.2**	**0.4**	**0.2**	**0.4**	**0.9**	**0.8**
Truck[2]	0.4	0.5	1.0	0.7	1.2	1.3
For-hire truck	0.3	0.5	0.8	0.7	1.2	1.0
Private truck	0.3	0.3	0.4	0.5	0.1	0.3
Rail	0.2	0.2	1.0	0.8	2.3	2.1
Water	0.3	0.1	0.6	0.3	1.0	0.6
Inland water	0.3	0.1	0.6	0.3	0.7	0.6
Great Lakes	Z	S	0.1	0.0	0.1	0.1
Deep sea	0.1	0.0	0.2	0.0	0.2	0.2
Multiple waterways	0.1	X	0.1	X	0.3	X
Air (includes truck and air)	0.1	0.2	Z	0.0	Z	0.0
Pipeline[3]	0.4	0.2	0.6	0.4	S	S
Multiple modes	**0.2**	**0.3**	**0.2**	**0.2**	**0.9**	**0.8**
Parcel, U.S. Postal Service, or courier	0.2	0.3	Z	0.0	Z	0.0
Truck and rail	0.1	0.1	0.1	0.1	0.4	0.3
Truck and water	Z	0.1	0.1	0.2	0.7	0.5
Rail and water	Z	0.0	0.1	0.1	0.3	0.4
Other multiple modes	Z	0.1	Z	0.1	Z	0.2
Other modes	**Z**	**0.2**	**0.1**	**0.3**	**Z**	**0.1**

X Not applicable.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[3] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-2a.

Estimated Measures of Reliability for Shipment Characteristics by Total Modal Activity for the United States: 2012

[[Estimates are based on data from the 2012 Commodity Flow Survey]

Mode of transportation[1]	Ton-miles[2]		Average miles per shipment— coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	
Total	**3.7**	**0.0**	**3.2**
Truck[3]	1.6	1.2	4.1
Rail	8.1	2.1	3.6
Inland water	14.6	0.9	15.2
Great Lakes	26.1	0.3	13.7
Deep sea	23.7	0.5	7.5
Air	15.0	Z	13.4
Pipeline[4]	S	S	S
Parcel, U.S. Postal Service, or courier	2.5	Z	2.7
Other modes	22.7	Z	S

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-2b.

Estimated Measures of Reliability for Shipment Characteristics by Total Modal Activity for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Mode of transportation[1]	Ton-miles[2]			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
	2012	2007		2012	2007	
Total	**3.7**	**3.6**	**4.5**	**3.2**	**2.5**	**4.1**
Truck[3]	1.6	1.4	1.9	4.1	4.4	6.6
Rail	8.1	7.7	10.0	3.6	4.6	6.0
Inland water	14.6	10.0	13.8	15.2	9.9	28.5
Great Lakes	26.1	27.9	39.5	13.7	9.2	16.0
Deep sea	23.7	17.1	20.7	7.5	6.9	9.1
Air	15.0	9.6	16.5	13.4	2.5	10.0
Pipeline[4]	S	S	S	S	S	S
Parcel, U.S. Postal Service, or courier	2.5	3.0	3.2	2.7	2.3	3.3
Other modes	22.7	9.3	0.2	S	12.7	S

S Withheld because estimate did not meet publication standards.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-2c.

Estimated Standard Errors for Shipment Characteristics by Total Modal Activity for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Mode of transportation[1]	Ton-miles[2]—standard error	
	2012	2007
Total	**0.0**	**0.0**
Truck[3]	1.2	1.3
Rail	2.1	2.0
Inland water	0.9	0.8
Great Lakes	0.3	0.3
Deep sea	0.5	0.4
Air	Z	0.0
Pipeline[4]	S	S
Parcel, U.S. Postal Service, or courier	Z	0.0
Other modes	Z	0.1

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-3a.

Estimated Measures of Reliability for Shipment Characteristics by Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Distance shipped[1] (based on Great Circle Distance)	Value		Tons		Ton-miles[2]	
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total
Total	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**
Less than 50 miles	2.0	0.5	2.2	0.7	2.4	0.2
50 to 99 miles	2.2	0.2	2.8	0.3	3.1	0.2
100 to 249 miles	1.8	0.2	3.2	0.3	3.6	0.4
250 to 499 miles	1.2	0.2	4.1	0.3	4.0	0.5
500 to 749 miles	1.7	0.2	4.4	0.2	4.9	0.5
750 to 999 miles	1.9	0.2	8.4	0.3	8.3	1.0
1,000 to 1,499 miles	2.5	0.1	6.9	0.2	6.8	0.7
1,500 to 1,999 miles	4.0	0.1	5.4	Z	7.4	0.7
2,000 miles or more	3.5	0.1	4.3	Z	4.2	0.3

Z Rounds to zero.

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-3b.

Estimated Measures of Reliability for Shipment Characteristics by Distance Shipped for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Distance shipped[1] (based on Great Circle Distance)	Value			Tons			Ton-miles[2]		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
	2012	2007		2012	2007		2012	2007	
Total	**1.1**	**0.8**	**1.6**	**1.8**	**1.6**	**2.2**	**3.7**	**3.6**	**4.5**
Less than 50 miles	2.0	1.4	3.2	2.2	2.1	2.7	2.4	2.6	2.8
50 to 99 miles	2.2	1.6	3.5	2.8	3.2	3.9	3.1	3.5	4.0
100 to 249 miles	1.8	1.3	2.6	3.2	3.2	3.8	3.6	4.3	4.5
250 to 499 miles	1.2	1.8	2.3	4.1	3.4	4.7	4.0	3.3	4.5
500 to 749 miles	1.7	1.6	2.6	4.4	3.5	5.4	4.9	3.6	5.9
750 to 999 miles	1.9	2.4	3.4	8.4	9.7	11.1	8.3	9.7	10.9
1,000 to 1,499 miles	2.5	2.3	3.7	6.9	7.6	9.4	6.8	7.4	9.1
1,500 to 1,999 miles	4.0	4.5	6.0	5.4	5.1	8.2	7.4	4.4	9.9
2,000 miles or more	3.5	4.7	6.0	4.3	5.6	5.8	4.2	6.8	6.1

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-3c.

Estimated Standard Errors for Shipment Characteristics by Distance Shipped for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Distance shipped[1] (Based on Great Circle Distance)	Value—standard error		Tons—standard error		Ton-miles[2]—standard error	
	2012	2007	2012	2007	2012	2007
Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Less than 50 miles	0.5	0.4	0.7	0.7	0.2	0.2
50 to 99 miles	0.2	0.1	0.3	0.4	0.2	0.2
100 to 249 miles	0.2	0.2	0.3	0.4	0.4	0.6
250 to 499 miles	0.2	0.2	0.3	0.3	0.5	0.7
500 to 749 miles	0.2	0.1	0.2	0.1	0.5	0.4
750 to 999 miles	0.2	0.1	0.3	0.3	1.0	1.1
1,000 to 1,499 miles	0.1	0.1	0.2	0.2	0.7	0.9
1,500 to 1,999 miles	0.1	0.2	Z	0.0	0.7	0.3
2,000 miles or more	0.1	0.2	Z	0.0	0.3	0.3

Z Rounds to zero.

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-4a.

Estimated Measures of Reliability for Shipment Characteristics by Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Shipment weight	Value		Tons		Ton-miles[1]		Average miles per shipment— coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
Total	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**	**3.4**
Less than 50 lbs.	1.5	0.2	4.0	Z	4.0	Z	3.4
50 to 99 lbs.	2.8	0.1	2.3	Z	2.7	Z	2.4
100 to 499 lbs.	1.7	0.2	1.7	Z	2.5	Z	2.3
500 to 749 lbs.	2.3	0.1	1.7	Z	2.1	Z	1.9
750 to 999 lbs.	3.5	0.1	2.3	Z	2.6	Z	1.9
1,000 to 9,999 lbs.	1.7	0.3	2.3	0.2	2.0	0.2	1.8
10,000 to 49,999 lbs.	1.3	0.3	1.6	0.6	1.9	1.1	1.7
50,000 to 99,999 lbs.	4.3	0.3	2.9	0.5	3.3	0.2	2.5
100,000 lbs. or more	4.4	0.4	4.5	1.0	6.1	1.4	3.1

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>

Table B-4b.

Estimated Measures of Reliability for Shipment Characteristics by Shipment Weight for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Shipment weight	Value			Tons			Ton-miles[1]			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
	2012	2007		2012	2007		2012	2007		2012	2007	
Total	**1.1**	**0.8**	**1.6**	**1.8**	**1.6**	**2.2**	**3.7**	**3.6**	**4.5**	**3.4**	**2.5**	**4.3**
Less than 50 lbs.	1.5	1.9	3.1	4.0	2.1	5.7	4.0	3.4	6.3	3.4	2.6	4.1
50 to 99 lbs.	2.8	2.6	4.5	2.3	2.0	3.2	2.7	3.9	4.8	2.4	3.0	3.6
100 to 499 lbs.	1.7	1.9	2.7	1.7	1.4	2.2	2.5	3.4	4.3	2.3	2.7	3.6
500 to 749 lbs.	2.3	1.9	3.5	1.7	1.3	2.2	2.1	2.4	3.3	1.9	2.6	3.3
750 to 999 lbs.	3.5	3.1	5.3	2.3	1.7	2.9	2.6	5.5	5.7	1.9	4.8	5.0
1,000 to 9,999 lbs.	1.7	1.8	2.7	2.3	1.1	2.5	2.0	1.7	2.5	1.8	1.7	2.4
10,000 to 49,999 lbs.	1.3	1.8	2.6	1.6	1.8	2.1	1.9	1.2	2.0	1.7	1.5	2.4
50,000 to 99,999 lbs.	4.3	3.3	8.4	2.9	2.2	3.5	3.3	3.1	3.8	2.5	3.0	3.5
100,000 lbs. or more	4.4	4.4	8.5	4.5	3.3	5.1	6.1	5.9	7.4	3.1	2.9	4.1

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-4c.

Estimated Standard Errors for Shipment Characteristics by Shipment Weight for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

Shipment weight	Value— standard error		Tons— standard error		Ton-miles[1]— standard error	
	2012	2007	2012	2007	2012	2007
Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Less than 50 lbs.	0.2	0.3	Z	0.0	Z	0.0
50 to 99 lbs.	0.1	0.1	Z	0.0	Z	0.0
100 to 499 lbs.	0.2	0.2	Z	0.0	Z	0.0
500 to 749 lbs.	0.1	0.0	Z	0.0	Z	0.0
750 to 999 lbs.	0.1	0.1	Z	0.0	Z	0.0
1,000 to 9,999 lbs.	0.3	0.4	0.2	0.1	0.2	0.2
10,000 to 49,999 lbs.	0.3	0.5	0.6	0.4	1.1	0.9
50,000 to 99,999 lbs.	0.3	0.2	0.5	0.5	0.2	0.2
100,000 lbs. or more	0.4	0.4	1.0	0.6	1.4	1.3

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-5a.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[2]	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**	**3.4**
01	Live animals and live fish	24.6	Z	24.7	Z	22.2	Z	19.2
02	Cereal grains (includes seed)	9.7	0.1	10.3	0.4	20.9	1.3	13.0
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	5.4	0.1	4.9	0.1	10.6	0.5	15.9
04	Animal feed, eggs, honey, and other products of animal origin	5.9	Z	6.5	0.1	6.1	0.2	18.0
05	Meat, poultry, fish, seafood, and their preparations	3.3	0.1	3.3	Z	4.1	0.1	8.8
06	Milled grain products and preparations and bakery products	5.2	0.1	6.8	0.1	9.6	0.2	25.3
07-R[3]	Other prepared foodstuffs and fats and oils	3.6	0.2	3.5	0.1	7.9	0.6	18.5
08-R[4]	Alcoholic beverages, and denatured alcohol	1.6	Z	2.9	Z	4.3	Z	20.3
09	Tobacco products	15.0	0.1	13.1	Z	15.6	Z	19.7
10	Monumental or building stone	17.0	Z	11.3	Z	10.4	Z	11.7
11	Natural sands	10.3	Z	14.0	0.6	10.3	0.2	12.7
12	Gravel and crushed stone (excludes dolomite and slate)	2.7	Z	2.9	0.4	6.5	0.3	7.7
13	Other nonmetallic minerals, n.e.c.	8.2	Z	8.4	0.1	6.4	0.1	17.9
14	Metallic ores and concentrates	9.5	Z	21.9	0.2	26.5	0.5	21.3
15	Coal	5.5	Z	7.2	0.6	13.6	2.3	4.8
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	4.3	0.3	4.2	0.5	9.5	0.3	10.2
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	7.7	0.4	9.7	0.6	27.2	0.6	8.9
19	Other coal and petroleum products, n.e.c.	6.0	0.2	8.9	0.4	20.3	0.7	9.7
20	Basic chemicals	5.2	0.1	3.4	0.1	5.3	0.2	18.0
21	Pharmaceutical products	2.5	0.1	7.2	Z	8.5	Z	12.2
22	Fertilizers	6.6	Z	15.6	0.3	12.2	0.3	11.4
23	Chemical products and preparations, n.e.c.	6.5	0.2	6.7	0.1	5.5	0.1	4.6
24	Plastics and rubber	3.4	0.1	5.6	0.1	6.3	0.2	11.0
25	Logs and other wood in the rough	17.0	Z	25.1	0.1	20.2	Z	29.4
26	Wood products	2.6	Z	7.2	0.2	6.9	0.2	6.1
27	Pulp, newsprint, paper, and paperboard	3.2	Z	4.5	0.1	3.8	0.1	13.8
28	Paper or paperboard articles	2.5	Z	3.5	Z	3.6	Z	11.0
29	Printed products	4.3	Z	8.0	Z	9.2	0.1	17.1
30	Textiles, leather, and articles of textiles or leather	8.8	0.3	8.0	Z	11.0	0.1	2.3
31	Nonmetallic mineral products	2.2	Z	3.5	0.3	2.5	0.2	8.0
32	Base metal in primary or semifinished forms and in finished basic shapes	2.2	0.1	3.1	0.1	2.8	0.2	6.0
33	Articles of base metal	2.5	0.1	3.1	Z	2.9	Z	4.4
34	Machinery	2.8	0.1	9.5	0.1	6.0	0.1	4.7
35	Electronic and other electrical equipment and components and office equipment	3.4	0.3	3.8	Z	4.0	0.1	4.8
36	Motorized and other vehicles (including parts)	2.4	0.2	4.5	Z	7.9	0.1	8.9
37	Transportation equipment, n.e.c.	6.4	0.1	9.3	Z	11.6	Z	4.9
38	Precision instruments and apparatus	3.1	0.1	18.6	Z	8.7	Z	3.0
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	0.1	12.1	Z	6.7	Z	7.8
40	Miscellaneous manufactured products	3.7	0.1	10.9	0.1	6.0	0.1	3.3
41	Waste and scrap	9.2	0.1	8.1	0.2	17.5	0.4	9.2
43	Mixed freight	3.4	0.3	3.3	0.1	4.7	0.1	9.5
99	Commodity unknown	37.9	Z	33.0	Z	28.0	Z	19.4

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-5b.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

SCTG code	Commodity description	Value			Tons			Ton-miles[1]			Average miles per shipment		
		Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
		2012	2007		2012	2007		2012	2007		2012	2007	
	All commodities[2]	**1.1**	**0.8**	**1.6**	**1.8**	**1.6**	**2.2**	**3.7**	**3.6**	**4.5**	**3.4**	**2.5**	**4.3**
01	Live animals and live fish	24.6	25.3	20.8	24.7	20.4	11.7	22.2	39.1	16.7	19.2	15.0	18.6
02	Cereal grains (includes seed)	9.7	6.7	18.0	10.3	6.3	11.3	20.9	11.3	21.6	13.0	12.0	25.6
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	5.4	5.7	10.8	4.9	4.0	6.5	10.6	6.0	14.9	15.9	14.4	30.6
04	Animal feed, eggs, honey, and other products of animal origin	5.9	6.5	11.5	6.5	6.4	8.8	6.1	9.2	8.6	18.0	13.2	31.6
05	Meat, poultry, fish, seafood, and their preparations	3.3	3.7	5.5	3.3	4.0	4.7	4.1	8.3	8.4	8.8	12.9	11.7
06	Milled grain products and preparations and bakery products	5.2	4.9	7.5	6.8	4.6	7.9	9.6	5.6	11.8	25.3	16.0	12.5
07-R[3]	Other prepared foodstuffs and fats and oils	3.6	2.4	X	3.5	3.1	X	7.9	4.7	X	18.5	13.0	X
08-R[4]	Alcoholic beverages, and denatured alcohol	1.6	3.8	X	2.9	3.5	X	4.3	6.2	X	20.3	14.9	X
09	Tobacco products	15.0	9.5	16.9	13.1	26.9	26.6	15.6	10.4	31.3	19.7	13.8	49.0
10	Monumental or building stone	17.0	14.5	18.2	11.3	20.5	9.3	10.4	13.1	8.6	11.7	13.3	19.3
11	Natural sands	10.3	7.4	14.8	14.0	8.3	15.5	10.3	15.7	17.8	12.7	10.7	15.3
12	Gravel and crushed stone (excludes dolomite and slate)	2.7	3.2	3.5	2.9	2.9	3.1	6.5	10.5	6.9	7.7	3.7	6.8
13	Other nonmetallic minerals, n.e.c.	8.2	5.6	8.1	8.4	6.1	5.5	6.4	8.3	7.1	17.9	16.6	27.7
14	Metallic ores and concentrates	9.5	15.8	16.3	21.9	17.4	34.6	26.5	29.4	48.5	21.3	9.4	18.4
15	Coal	5.5	7.1	9.7	7.2	7.6	7.7	13.6	12.2	14.5	4.8	8.8	8.3
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	4.3	4.5	X	4.2	4.3	X	9.5	9.7	X	10.2	6.5	X
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	7.7	3.5	X	9.7	4.1	X	27.2	7.4	X	8.9	9.2	X
19	Other coal and petroleum products, n.e.c.	6.0	4.1	10.6	8.9	4.0	8.9	20.3	7.6	17.0	9.7	12.9	14.3
20	Basic chemicals	5.2	6.2	9.5	3.4	7.0	6.4	5.3	10.7	10.0	18.0	10.9	32.5
21	Pharmaceutical products	2.5	6.2	7.0	7.2	11.0	11.2	8.5	8.6	11.6	12.2	6.6	14.3
22	Fertilizers	6.6	9.2	21.8	15.6	10.3	24.3	12.2	14.9	20.2	11.4	9.5	12.3
23	Chemical products and preparations, n.e.c.	6.5	5.9	9.3	6.7	4.9	7.1	5.5	5.8	6.4	4.6	7.2	9.0
24	Plastics and rubber	3.4	2.4	4.6	5.6	4.0	6.7	6.3	4.9	7.7	11.0	8.5	17.5
25	Logs and other wood in the rough	17.0	13.1	13.7	25.1	21.0	10.7	20.2	13.9	8.5	29.4	44.2	89.3
26	Wood products	2.6	2.9	3.0	7.2	2.7	7.0	6.9	4.2	6.6	6.1	10.9	11.4
27	Pulp, newsprint, paper, and paperboard	3.2	3.8	4.8	4.5	3.6	4.9	3.8	5.8	5.9	13.8	14.6	17.7
28	Paper or paperboard articles	2.5	3.0	4.2	3.5	5.7	6.3	3.6	7.8	7.9	11.0	13.5	21.6
29	Printed products	4.3	4.4	5.2	8.0	5.0	7.1	9.2	6.8	7.6	17.1	8.7	16.8
30	Textiles, leather, and articles of textiles or leather	8.8	5.9	10.4	8.0	5.5	8.3	11.0	13.7	14.6	2.3	3.2	3.8
31	Nonmetallic mineral products	2.2	3.0	3.4	3.5	4.1	3.7	2.5	6.8	5.9	8.0	10.1	12.0
32	Base metal in primary or semifinished forms and in finished basic shapes	2.2	3.3	3.7	3.1	3.8	4.1	2.8	6.2	5.8	6.0	10.7	10.9
33	Articles of base metal	2.5	2.7	3.3	3.1	5.2	4.7	2.9	4.1	4.0	4.4	8.5	9.1
34	Machinery	2.8	3.6	5.4	9.5	3.0	11.1	6.0	5.9	8.5	4.7	5.4	6.3
35	Electronic and other electrical equipment and components and office equipment	3.4	2.7	4.3	3.8	4.6	5.8	4.0	5.7	6.3	4.8	3.5	6.1
36	Motorized and other vehicles (including parts)	2.4	5.6	7.0	4.5	5.2	6.8	7.9	5.0	9.3	8.9	6.9	11.1
37	Transportation equipment, n.e.c.	6.4	10.6	20.0	9.3	18.1	22.5	11.6	12.1	16.3	4.9	3.9	5.8
38	Precision instruments and apparatus	3.1	4.6	6.4	18.6	31.1	46.7	8.7	20.0	33.0	3.0	4.3	4.9
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	4.5	12.3	12.1	6.2	14.1	6.7	7.4	9.0	7.8	5.3	10.3
40	Miscellaneous manufactured products	3.7	1.9	4.4	10.9	6.3	10.2	6.0	5.0	5.8	3.3	2.4	4.2
41	Waste and scrap	9.2	8.3	16.1	8.1	23.1	19.3	17.5	18.3	25.2	9.2	23.2	30.1
43	Mixed freight	3.4	2.2	6.0	3.3	2.9	5.5	4.7	3.0	7.5	9.5	4.7	11.9
99	Commodity unknown	37.9	16.2	10.2	33.0	21.6	88.2	28.0	26.0	42.5	19.4	18.7	6.2

X Not applicable.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-5c.

Estimated Standard Errors for Shipment Characteristics by Two-Digit Commodity for the United States: Percentage of Total for 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Surveys]

SCTG code	Commodity description	Value—standard error		Tons—standard error		Ton-miles[1]—standard error	
		2012	2007	2012	2007	2012	2007
	All commodities[2]	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
01	Live animals and live fish	Z	0.0	Z	0.0	Z	0.1
02	Cereal grains (includes seed)	0.1	0.0	0.4	0.3	1.3	0.6
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	0.1	0.1	0.1	0.1	0.5	0.2
04	Animal feed, eggs, honey, and other products of animal origin	Z	0.1	0.1	0.1	0.2	0.2
05	Meat, poultry, fish, seafood, and their preparations	0.1	0.1	Z	0.0	0.1	0.1
06	Milled grain products and preparations and bakery products	0.1	0.1	0.1	0.1	0.2	0.1
07-R[3]	Other prepared foodstuffs and fats and oils	0.2	0.1	0.1	0.1	0.6	0.3
08-R[4]	Alcoholic beverages, and denatured alcohol	Z	0.0	Z	0.0	Z	0.1
09	Tobacco products	0.1	0.1	Z	0.0	Z	0.0
10	Monumental or building stone	Z	0.0	Z	0.0	Z	0.0
11	Natural sands	Z	0.0	0.6	0.3	0.2	0.2
12	Gravel and crushed stone (excludes dolomite and slate)	Z	0.0	0.4	0.4	0.3	0.5
13	Other nonmetallic minerals, n.e.c.	Z	0.0	0.1	0.1	0.1	0.1
14	Metallic ores and concentrates	Z	0.0	0.2	0.1	0.5	0.4
15	Coal	Z	0.0	0.6	0.7	2.3	2.1
17-R[5]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	0.3	0.2	0.5	0.4	0.3	0.2
18-R[6]	Fuel oils (includes diesel, Bunker C, and biodiesel)	0.4	0.1	0.6	0.2	0.6	0.1
19	Other coal and petroleum products, n.e.c.	0.2	0.1	0.4	0.2	0.7	0.3
20	Basic chemicals	0.1	0.1	0.1	0.2	0.2	0.5
21	Pharmaceutical products	0.1	0.4	Z	0.0	Z	0.0
22	Fertilizers	Z	0.0	0.3	0.1	0.3	0.3
23	Chemical products and preparations, n.e.c.	0.2	0.2	0.1	0.0	0.1	0.1
24	Plastics and rubber	0.1	0.1	0.1	0.1	0.2	0.2
25	Logs and other wood in the rough	Z	0.0	0.1	0.2	Z	0.1
26	Wood products	Z	0.0	0.2	0.1	0.2	0.1
27	Pulp, newsprint, paper, and paperboard	Z	0.0	0.1	0.0	0.1	0.1
28	Paper or paperboard articles	Z	0.0	Z	0.0	Z	0.1
29	Printed products	Z	0.1	Z	0.0	0.1	0.1
30	Textiles, leather, and articles of textiles or leather	0.3	0.2	Z	0.0	0.1	0.1
31	Nonmetallic mineral products	Z	0.0	0.3	0.3	0.2	0.2
32	Base metal in primary or semifinished forms and in finished basic shapes	0.1	0.1	0.1	0.1	0.2	0.3
33	Articles of base metal	0.1	0.1	Z	0.1	Z	0.1
34	Machinery	0.1	0.2	0.1	0.0	0.1	0.1
35	Electronic and other electrical equipment and components and office equipment	0.3	0.2	Z	0.0	0.1	0.1
36	Motorized and other vehicles (including parts)	0.2	0.4	Z	0.0	0.1	0.1
37	Transportation equipment, n.e.c.	0.1	0.1	Z	0.0	Z	0.0
38	Precision instruments and apparatus	0.1	0.1	Z	0.0	Z	0.0
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	0.1	0.1	Z	0.0	Z	0.0
40	Miscellaneous manufactured products	0.1	0.1	0.1	0.1	0.1	0.1
41	Waste and scrap	0.1	0.1	0.2	0.5	0.4	0.3
43	Mixed freight	0.3	0.2	0.1	0.1	0.1	0.1
99	Commodity unknown	Z	0.0	Z	0.0	Z	0.0

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

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Table B-6.

Estimated Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[2]	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**	**3.4**
010	Live animals and live fish	24.6	Z	24.7	Z	22.2	Z	19.2
021	Wheat	14.0	Z	14.5	0.2	39.1	1.1	22.9
022	Corn, except sweet	11.6	0.1	12.1	0.3	22.0	0.5	11.6
029	Other cereal grains	22.2	Z	30.3	0.1	31.2	0.1	20.8
031	Fresh or chilled potatoes, except sweet	18.3	Z	24.3	Z	34.5	0.1	22.8
032	Fresh or chilled edible vegetables (except potatoes), and dried vegetables	8.3	Z	6.6	Z	12.9	0.1	25.4
033	Fruit and nuts, edible, fresh, chilled, or dried	12.1	Z	12.3	Z	15.3	0.1	24.4
034	Soy beans	6.9	Z	6.3	0.1	13.9	0.4	11.9
035	Oil seeds and nuts, except olives and soy beans	17.6	Z	21.5	Z	35.5	0.1	15.8
036	Bulbs, live plants, and seeds for sowing, n.e.c.	12.5	Z	19.0	Z	22.3	Z	12.8
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products	13.9	Z	22.2	Z	17.1	Z	23.5
041	Eggs, cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, other products of animal origin, n.e.c.	7.7	Z	7.8	0.1	7.2	0.1	20.2
042	Animal feed preparations	9.5	0.1	10.8	0.1	10.6	0.1	24.9
051	Meat and poultry, fresh, chilled, or frozen, meat in brine, dried or smoked	3.4	0.1	3.5	Z	4.1	0.1	5.7
052	Fish (except live), seafood, and their preparations	10.8	Z	12.5	Z	16.4	Z	23.1
053	Preparations, extracts, and juices of meat, fish, or seafood	44.9	Z	49.8	Z	S	S	36.3
061	Wheat flour, groats, and meal	10.3	Z	11.8	Z	16.4	Z	13.8
062	Malt, milled rice and corn (broken, flour, groats, and meal, inulin, wheat gluten, milled cereals and other vegetables and grains	17.8	Z	20.5	0.1	25.9	0.2	23.4
063	Bakery products and food preparations of cereals, flour, starch or milk	6.4	Z	7.9	Z	10.7	Z	25.6
064	Bakery products, including frozen	8.0	Z	8.2	Z	11.0	Z	23.6
071	Dairy products except beverages and preparations of milk	4.8	Z	6.3	Z	7.1	0.1	39.0
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.2	0.1	16.9	0.1	32.9	0.5	13.5
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	15.7	Z	15.2	Z	23.8	Z	21.8
074-R[3]	Animal or vegetable fats, oils, waxes, and their cleavage products, prepared edible fats, and flours and meals of oil seeds (excludes oils and fats for use as biodiesel)	6.9	Z	8.8	Z	8.1	0.1	26.0
075	Sugars confectionery, solid or syrups not containing added flavoring or coloring	11.1	Z	10.3	Z	12.0	0.1	30.0
076	Confectionery, cocoa, and cocoa preparations	4.9	Z	6.4	Z	8.5	Z	12.6
077	Edible preparations, n.e.c., and vinegar	10.8	0.1	9.5	Z	7.7	0.1	13.1
078	Nonalcoholic beverages, n.e.c., and ice	3.6	Z	4.9	0.1	6.2	0.1	37.7
081	Malt beer	5.3	Z	6.4	Z	13.9	0.1	3.4
082	Wine and other fermented beverages	7.7	Z	9.1	Z	18.2	0.1	17.9
083-R[4]	Spirituous beverages and undenatured ethyl alcohol	7.6	Z	12.3	Z	19.8	Z	5.2
084	Denatured ethyl alcohol, not for ingestion or use as biofuel	18.1	Z	27.1	Z	26.4	Z	28.2
090	Tobacco products	15.0	0.1	13.1	Z	15.6	Z	19.7
100	Monumental or building stone, except dolomite	17.0	Z	11.3	Z	10.4	Z	11.7
110	Natural sands, except metal-bearing	10.3	Z	14.0	0.6	10.3	0.2	12.7
120	Gravel and crushed stone, except dolomite and slate	2.7	Z	2.9	0.4	6.5	0.3	7.7
131	Salt	19.7	Z	12.3	Z	18.0	0.1	18.6
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	24.2	Z	28.2	Z	22.1	Z	35.3
133	Dolomite, including monumental, building, and crushed	8.4	Z	10.9	0.1	27.8	0.1	13.3
139	Other nonmetallic minerals, n.e.c.	8.3	Z	18.8	0.1	15.6	0.1	20.3
141	Iron ores and concentrates	26.2	Z	23.6	0.2	29.5	0.5	18.9
149	Metallic ores and concentrates, except iron	11.2	Z	16.1	Z	19.5	Z	20.2
151	Nonagglomerated bituminous coal	5.8	Z	8.8	0.7	13.6	2.3	4.5
159	Coal, except nonagglomerated bituminous coal	24.9	Z	28.2	0.2	29.4	Z	45.8
160	Crude petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171-R[5]	Gasoline, and blends of gasoline and 10 percent ethanol	4.0	0.3	3.9	0.4	12.0	0.2	12.7
172-R[6]	Aviation turbine fuel (types a and b), and kerosene	11.0	0.1	10.7	0.1	31.8	0.1	12.1
175	Ethanol, ethanol blends of more than 10 percent ethanol, and other fuel alcohols	19.7	Z	19.4	Z	39.5	0.1	18.8
176	Ethanol, for use as biofuels	10.3	Z	9.2	Z	11.3	0.1	13.6
181	Fuel oils	8.7	0.4	10.8	0.7	30.3	0.6	9.6
182	Blends of fuel oils and biofuel, biodiesel	25.5	0.1	26.7	0.2	32.0	Z	9.4
191	Lubricating oils and greases	8.4	0.1	10.3	0.1	7.5	0.1	10.4
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	10.7	Z	9.2	Z	18.3	0.1	20.3
193	Gaseous hydrocarbons	6.6	Z	7.1	Z	19.5	0.1	12.5
199	Other products of petroleum refining, and coal products, n.e.c.	23.5	0.1	14.8	0.4	41.7	0.6	19.4
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	7.5	Z	12.4	Z	13.3	Z	19.9
202	Inorganic chemicals, n.e.c.	4.2	Z	4.6	0.1	9.4	0.3	10.3
203	Cyclic hydrocarbons	19.0	Z	18.2	Z	36.5	0.1	15.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, and acyclic alcohols, and organic acids	16.6	Z	15.3	Z	19.1	0.1	11.6
205	Organic chemicals, n.e.c.	10.4	0.1	13.4	0.1	10.3	0.1	14.1
210	Pharmaceutical products	2.5	0.1	7.2	Z	8.5	Z	12.2
220	Fertilizers and fertilizer materials	6.6	Z	15.6	0.3	12.2	0.3	11.4
231	Paints and varnishes, enamels, tanning or dyeing extracts, tannins and their derivatives, inks, lakes, toners, and ink	5.9	Z	9.1	Z	8.7	Z	11.9
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	13.6	0.1	12.1	Z	12.7	Z	7.3
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preps	5.7	Z	8.4	Z	9.5	Z	19.7
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preps for photographic use	21.2	Z	31.8	Z	22.8	Z	12.9
235	Insecticides, rodenticides, fungicides, herbicides, disinfectants, etc.	9.1	Z	10.5	Z	14.6	Z	15.3
239	Other chemical products and preparations: glues, prepared explosives, activated natural mineral products, anti-knock preparations, etc.	9.7	0.1	14.6	0.1	8.9	0.1	13.4
241	Plastics and rubber in primary forms or sheets	7.8	0.1	10.7	0.1	13.1	0.2	9.2
242	Manmade fibers and plastics basic shapes and articles	3.5	0.1	3.0	Z	3.6	0.1	10.5
243	Rubber articles	9.2	0.1	17.5	Z	8.6	Z	7.6
250	Logs and other wood in the rough	17.0	Z	25.1	0.1	20.2	Z	29.4

See footnotes at end of table.

Table B-6.

Estimated Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
261	Wood chips or particles	11.9	Z	14.3	0.1	12.1	Z	22.9
262	Lumber, wood continuously shaped along any of its edges or faces, shingles and shakes	5.1	Z	5.0	Z	9.3	0.1	10.2
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, and similar laminated wood	8.0	Z	19.0	0.1	6.0	Z	14.1
264	Windows, doors, thresholds, and builders' joinery and carpentry of wood, except shingles and shakes	3.1	Z	8.6	Z	6.4	Z	12.3
269	Other wood products	5.3	Z	9.0	Z	12.7	Z	12.4
271	Pulp of fibrous cellulosic materials	15.3	Z	17.9	Z	16.8	Z	14.5
272	Newsprint in large rolls or sheets	22.1	Z	15.7	Z	21.1	Z	S
273	Uncoated paper, tissue, and paperboard in large rolls or sheets	5.7	Z	7.5	0.1	7.7	0.1	12.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	6.9	Z	7.8	Z	8.9	0.1	10.4
280	Paper or paperboard articles	2.5	Z	3.5	Z	3.6	Z	11.0
291	Printed books, brochures, leaflets, and similar printed products	6.9	Z	10.8	Z	11.9	Z	8.0
292	Newspapers, journals, and periodicals	7.8	Z	13.8	Z	12.9	Z	S
293	Advertising material, commercial or trade catalogues, and similar printed products	3.6	Z	14.5	Z	14.1	Z	2.9
299	Other printed products	9.8	Z	22.5	Z	18.1	Z	2.7
301	Textile fibers, yarns, and broad woven or knitted fabrics	7.9	Z	10.1	Z	10.3	Z	5.7
302	Textile clothing and accessories, and headgear, except safety	14.4	0.3	20.3	Z	24.3	0.1	2.0
303	Textiles and textile articles, n.e.c.	6.1	Z	10.2	Z	17.0	0.1	5.3
304	Leather footwear	12.2	Z	9.0	Z	14.4	Z	4.2
305	Leather and articles of leather or allied materials, and dressed fur skins	13.9	Z	27.0	Z	29.2	Z	4.1
311	Hydraulic cements	5.3	Z	6.7	0.1	7.8	0.1	5.6
312	Ceramic products	9.8	Z	14.2	Z	15.6	Z	11.8
313	Glass and glass products	5.5	Z	7.2	Z	9.0	Z	6.5
319	Other nonmetallic mineral products	4.7	Z	4.4	0.3	5.4	0.1	12.2
321	Ferro-alloys, and iron and steel in primary or semi-finished forms, or in powders or granules	8.4	Z	8.3	Z	9.1	Z	16.6
322	Flat-rolled products of iron or steel	3.6	Z	4.3	0.1	5.1	0.1	8.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	4.3	Z	6.8	Z	6.2	0.1	11.0
324	Nonferrous metal, except precious, unwrought, or in finished basic shapes, or in powders or granules	2.8	Z	4.2	Z	5.2	Z	7.3
331	Pipes, tubes, and fittings	3.0	Z	6.6	Z	6.8	Z	5.8
332	Structures and parts, except prefabricated buildings	5.8	Z	8.1	Z	8.1	Z	9.5
333	Hand tools, cutlery, except of precious metals, interchangeable tools for hand or machine tools, hardware, and industrial fasteners	3.9	Z	8.9	Z	10.4	Z	5.9
339	Other articles of metal	5.6	Z	7.4	Z	8.8	Z	3.6
341	Internal-combustion engines and parts	7.6	0.1	10.1	Z	24.8	Z	10.3
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion	13.3	0.1	15.2	Z	17.2	Z	17.0
343	Pumps, compressors, fans, and ventilating or recycling hoods incorporating a fan	4.2	Z	6.0	Z	6.9	Z	6.1
344	Air-conditioning, refrigerating, or freezing equipment	6.3	Z	8.9	Z	8.4	Z	18.7
345	Materials-handling, excavating, boring, and related machinery and equipment	7.0	0.1	9.4	Z	10.0	Z	10.2
349	Other mechanical machinery, n.e.c.	4.5	0.1	21.5	0.1	10.1	Z	4.3
351	Electric motors, generators, rotary or static converters, and transformers	6.0	Z	20.1	Z	13.8	Z	11.0
352	Electric cooking appliances, electro-thermic, or electro-mechanical domestic appliances	14.7	Z	14.7	Z	15.7	Z	4.9
353	Line telephone or telegraph apparatus	11.8	Z	18.3	Z	15.2	Z	4.6
354	Electronic entertainment products, except parts	13.6	0.1	15.8	Z	13.6	Z	5.6
355	Computer and electronic office equipment	4.7	0.1	8.4	Z	11.8	Z	2.9
356	Prepared unrecorded or prerecorded media	7.4	Z	16.3	Z	22.4	Z	5.3
357	Transmission, and reception apparatus for radio, television, radar, and remote-control	12.1	Z	34.1	Z	23.8	Z	11.7
358	Electronic components and parts	6.5	0.1	9.2	Z	8.8	Z	7.1
359	Other electronic and electrical equipment, n.e.c.	3.9	0.1	5.7	Z	6.0	Z	9.0
361	Motorized vehicles for transport of less than 10 people, except motorcycles, armored, and recreational	6.8	0.1	8.4	Z	12.5	0.1	20.1
362	Motor vehicles for the transport of goods, and road tractors for semi-trailers	9.4	Z	21.3	Z	7.5	Z	23.3
363	Other vehicles	6.0	0.1	8.2	Z	6.9	Z	8.1
364	Motor vehicles parts and accessories except motorcycles and armored fighting vehicles	2.3	0.1	6.0	Z	11.1	0.1	9.1
371	Railway equipment including locomotives and rolling stock, railway track fixtures and fittings, and parts	21.2	Z	13.5	Z	13.9	Z	9.2
372	Aircraft and spacecraft	8.4	0.1	7.5	Z	8.4	Z	4.9
373	Ships, boats, and floating structures	10.0	Z	8.6	Z	34.4	Z	20.1
381	Optical elements, instruments, and apparatus, except photographic and cinematographic	9.8	Z	15.3	Z	29.8	Z	6.8
382	Photographic and photocopying machines	18.5	Z	12.4	Z	27.0	Z	9.9
383	Surveying, hydrographic, oceanographic, hydrological, meteorological, and geophysical instruments and appliances	16.0	Z	22.2	Z	14.2	Z	10.1
384	Instruments, apparatus, and appliances for medical, surgical, dental, veterinary, or similar purposes	3.6	0.1	29.0	Z	14.0	Z	3.9
385	Meters and other instruments and apparatus for measuring or process control	6.5	Z	17.1	Z	22.8	Z	6.4
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	0.1	12.1	Z	6.7	Z	7.8
401	Arms and ammunition	14.9	Z	19.7	Z	11.0	Z	2.0
402	Toys, games, and sporting equipment	17.8	0.1	16.4	Z	12.1	Z	5.5
409	Miscellaneous manufactured products	4.2	0.1	12.0	0.1	7.8	0.1	3.1
411	Metallic waste and scrap	10.8	0.1	6.1	0.1	19.7	0.3	8.7
412	Nonmetallic waste and scrap, except from food processing	20.7	Z	19.6	0.1	25.5	0.1	10.6
439	Mixed freight	3.4	0.3	3.3	0.1	4.7	0.1	9.5
999	Commodity unknown	37.9	Z	33.0	Z	28.0	Z	19.4

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 074. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 182.

[4] Prior to the 2012 CFS, denatured alcohol of more than 80 percent by volume was included in Commodity Code 083. In the 2012 CFS, denatured alcohol of more than 80 percent by volume moved to Commodity Code 084.

[5] Prior to the 2012 CFS, Commodity Code 171 only included gasoline. In the 2012 CFS, mixtures of 10 percent ethanol and gasoline moved to Commodity Code 171.

[6] Prior to the 2012 CFS, kerosene was included in Commodity Code 192. In the 2012 CFS, kerosene moved to Commodity Code 172.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[2]							
	All modes	**1.1**	**0.0**	**1.8**	**0.0**	**3.7**	**0.0**	**3.4**
	Single modes	**1.2**	**0.2**	**1.8**	**0.2**	**4.4**	**0.9**	**3.5**
	Truck[3]	1.1	0.4	1.5	1.0	1.6	1.2	4.1
	For-hire truck	0.8	0.3	2.1	0.8	1.6	1.2	4.3
	Private truck	1.8	0.3	1.4	0.4	3.4	0.1	16.4
	Rail	5.4	0.2	8.0	1.0	9.1	2.3	2.7
	Water	16.5	0.3	13.2	0.6	14.9	1.0	12.9
	Inland water	19.9	0.3	16.4	0.6	17.3	0.7	21.3
	Great Lakes	25.0	Z	19.5	0.1	23.3	0.1	7.9
	Deep sea	23.5	0.1	25.2	0.2	30.1	0.2	10.4
	Multiple waterways	32.9	0.1	25.8	0.1	22.9	0.3	10.5
	Air (includes truck and air)	4.5	0.1	7.2	Z	13.4	Z	8.8
	Pipeline[4]	9.3	0.4	11.0	0.6	S	S	S
	Multiple modes	**1.3**	**0.2**	**7.0**	**0.2**	**7.1**	**0.9**	**2.6**
	Parcel, U.S. Postal Service, or courier	1.4	0.2	3.0	Z	2.6	Z	2.6
	Truck and rail	5.5	0.1	7.2	0.1	5.7	0.4	6.0
	Truck and water	15.4	Z	22.7	0.1	38.5	0.7	7.3
	Rail and water	13.0	Z	20.1	0.1	26.2	0.3	25.6
	Other multiple modes	33.3	Z	36.6	Z	32.2	Z	S
	Other modes	**31.8**	**Z**	**18.1**	**0.1**	**22.7**	**Z**	**S**
01	**Live animals and live fish**							
	All modes	**24.6**	**0.0**	**24.7**	**0.0**	**22.2**	**0.0**	**19.2**
	Single modes	**24.7**	**0.7**	**24.8**	**0.2**	**22.3**	**0.2**	**35.6**
	Truck[3]	26.0	3.9	25.4	2.1	23.8	4.0	36.7
	For-hire truck	30.4	5.9	30.6	5.6	24.7	4.3	12.8
	Private truck	38.0	4.7	41.1	5.4	39.9	1.7	21.2
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	12.8
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**39.6**	**0.9**	**47.1**	**0.2**	**S**	**S**	**18.5**
	Parcel, U.S. Postal Service, or courier	39.6	0.9	47.1	0.2	S	S	18.5
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
02	**Cereal grains (includes seed)**							
	All modes	**9.7**	**0.0**	**10.3**	**0.0**	**20.9**	**0.0**	**13.0**
	Single modes	**9.2**	**1.0**	**9.9**	**1.0**	**18.6**	**2.5**	**9.1**
	Truck[3]	7.3	3.2	8.2	3.2	11.2	2.2	8.7
	For-hire truck	9.8	3.1	12.2	3.3	13.8	2.1	9.5
	Private truck	8.4	0.9	10.4	1.5	13.4	0.3	6.0
	Rail	18.4	4.0	18.7	4.2	23.3	4.2	14.5
	Water	15.8	1.4	16.3	1.5	16.3	2.8	10.1
	Inland water	25.1	1.6	25.7	1.6	14.6	2.2	12.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	30.8	1.4	33.3	1.4	32.5	Z	37.3
	Multiple waterways	30.4	0.3	36.1	0.4	39.1	1.4	12.4
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**43.6**	**1.0**	**45.7**	**1.0**	**S**	**S**	**12.6**
	Parcel, U.S. Postal Service, or courier	40.1	Z	S	S	S	S	16.7
	Truck and rail	S	S	S	S	S	S	20.0
	Truck and water	S	S	S	S	S	S	39.7
	Rail and water	30.8	0.3	30.8	0.3	38.7	0.9	18.8
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**							
	All modes	**5.4**	**0.0**	**4.9**	**0.0**	**10.6**	**0.0**	**15.9**
	Single modes	**5.4**	**1.4**	**5.3**	**2.3**	**10.0**	**3.2**	**14.1**
	Truck[3]	6.4	2.2	5.0	2.7	9.5	2.9	17.4
	For-hire truck	8.1	1.5	6.1	1.2	10.9	2.7	13.5
	Private truck	6.5	1.9	6.7	2.2	8.2	0.7	6.2
	Rail	15.1	0.8	16.4	1.4	16.9	2.6	14.3
	Water	16.7	1.7	13.8	2.0	26.3	4.8	16.6
	Inland water	21.2	1.1	20.3	1.7	24.0	3.0	11.4
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	40.2	Z	27.7
	Multiple waterways	45.1	1.2	44.0	1.8	41.5	4.5	13.3
	Air (includes truck and air)	26.6	0.2	49.5	Z	21.6	Z	15.9
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**14.3**	**1.4**	**21.0**	**2.3**	**30.1**	**3.2**	**7.3**
	Parcel, U.S. Postal Service, or courier	26.1	0.7	27.0	Z	29.0	Z	7.3
	Truck and rail	21.9	1.1	26.6	2.0	25.1	1.9	30.9
	Truck and water	27.9	0.6	29.1	1.0	44.2	1.9	37.1
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
04	**Animal feed, eggs, honey, and other products of animal origin**							
	All modes	**5.9**	**0.0**	**6.5**	**0.0**	**6.1**	**0.0**	**18.0**
	Single modes	**6.3**	**0.9**	**6.7**	**0.5**	**5.9**	**1.3**	**20.9**
	Truck[3]	6.7	1.1	7.4	1.2	8.3	3.7	22.0
	For-hire truck	6.6	1.5	7.9	0.9	8.4	2.8	16.3
	Private truck	7.8	1.2	7.1	1.0	10.1	1.2	6.4
	Rail	7.9	0.5	7.8	0.7	11.1	2.5	5.4
	Water	S	S	43.9	0.4	38.5	0.9	S
	Inland water	S	S	39.8	0.5	32.6	1.4	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	16.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**15.7**	**0.9**	**14.0**	**0.5**	**12.6**	**1.3**	**9.9**
	Parcel, U.S. Postal Service, or courier	28.5	0.4	46.2	Z	S	S	10.2
	Truck and rail	18.8	0.6	15.1	0.4	13.7	1.1	4.1
	Truck and water	45.3	0.3	47.7	0.3	44.7	1.0	35.4
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
05	**Meat, poultry, fish, seafood, and their preparations**							
	All modes	**3.3**	**0.0**	**3.3**	**0.0**	**4.1**	**0.0**	**8.8**
	Single modes	**3.3**	**0.1**	**3.2**	**0.2**	**4.2**	**0.4**	**9.1**
	Truck[3]	3.3	0.2	3.3	0.3	4.3	0.4	5.8
	For-hire truck	4.2	1.9	4.6	2.0	4.7	0.7	4.3
	Private truck	6.8	1.8	6.9	1.9	6.7	0.6	5.4
	Rail	27.6	0.1	44.7	0.2	S	S	28.5
	Water	28.7	0.1	30.6	0.1	34.4	0.2	15.5
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	28.8	0.1	31.4	0.1	34.6	0.2	15.4
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	25.1	0.1	19.2	Z	25.6	0.1	19.9
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**20.0**	**0.1**	**31.6**	**0.2**	**23.1**	**0.4**	**14.5**
	Parcel, U.S. Postal Service, or courier	26.6	Z	27.1	Z	30.8	Z	14.0
	Truck and rail	34.2	0.1	45.5	0.2	33.6	0.4	S
	Truck and water	41.2	0.1	S	S	18.5	0.1	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
06	**Milled grain products and preparations and bakery products**							
	All modes	**5.2**	**0.0**	**6.8**	**0.0**	**9.6**	**0.0**	**25.3**
	Single modes	**5.2**	**0.3**	**6.8**	**0.6**	**9.3**	**1.4**	**16.6**
	Truck[3]	5.2	1.2	6.5	3.6	8.3	4.4	16.8
	For-hire truck	7.3	3.2	6.9	4.0	8.8	4.3	16.2
	Private truck	8.7	2.6	12.2	2.9	9.1	0.6	16.9
	Rail	25.5	1.0	36.1	3.5	25.9	3.4	6.7
	Water	38.1	0.2	41.0	1.1	S	S	35.1
	Inland water	48.4	0.4	47.9	1.5	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	37.2	0.1	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	31.3	Z	47.6	Z	21.7
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**12.6**	**0.3**	**17.3**	**0.6**	**21.2**	**1.4**	**12.3**
	Parcel, U.S. Postal Service, or courier	24.3	0.1	30.9	Z	47.4	Z	12.5
	Truck and rail	12.8	0.3	17.3	0.6	20.4	1.4	6.2
	Truck and water	35.9	Z	S	S	S	S	29.6
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
07-R[4]	**Other prepared foodstuffs and fats and oils**							
	All modes	**3.6**	**0.0**	**3.5**	**0.0**	**7.9**	**0.0**	**18.5**
	Single modes	**3.7**	**0.3**	**3.7**	**0.3**	**8.3**	**0.7**	**10.0**
	Truck[3]	3.8	0.5	3.7	0.7	8.8	1.5	9.4
	For-hire truck	5.6	1.6	4.7	1.6	9.9	1.7	6.2
	Private truck	4.3	1.6	5.8	1.5	6.0	0.6	5.6
	Rail	7.9	0.4	8.0	0.5	9.9	1.3	6.9
	Water	29.4	0.1	37.6	0.1	24.3	0.1	17.1
	Inland water	41.2	0.1	42.8	0.2	30.1	0.1	28.3
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	26.1	Z	33.2	Z	26.6	Z	18.3
	Multiple waterways	40.8	Z	39.6	0.1	38.2	0.1	24.0
	Air (includes truck and air)	21.7	Z	16.9	Z	29.2	Z	12.7
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**8.4**	**0.3**	**7.9**	**0.3**	**6.4**	**0.7**	**6.4**
	Parcel, U.S. Postal Service, or courier	24.6	0.3	26.4	Z	37.2	0.1	6.5
	Truck and rail	11.1	0.2	6.7	0.2	8.3	0.6	4.9
	Truck and water	38.9	0.2	S	S	27.6	0.3	16.2
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
08-R[5]	**Alcoholic beverages, and denatured alcohol**							
	All modes	**1.6**	**0.0**	**2.9**	**0.0**	**4.3**	**0.0**	**20.3**
	Single modes	**1.8**	**0.6**	**3.4**	**1.1**	**3.5**	**2.4**	**4.9**
	Truck[3]	1.9	0.7	4.4	1.9	7.8	5.3	5.0
	For-hire truck	5.3	1.6	7.7	2.0	8.4	5.1	17.3
	Private truck	3.2	1.4	3.9	1.2	4.7	0.4	2.3
	Rail	16.6	0.4	19.1	1.1	19.6	3.8	12.0
	Water	36.6	Z	43.5	Z	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	38.3	Z	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	S	S	31.3	Z	S
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**15.5**	**0.6**	**21.2**	**1.1**	**16.3**	**2.4**	**8.2**
	Parcel, U.S. Postal Service, or courier	37.8	0.1	46.4	Z	S	S	8.7
	Truck and rail	18.3	0.6	23.0	1.1	17.5	2.6	10.8
	Truck and water	35.3	0.1	46.6	0.1	37.1	0.4	S
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
09	**Tobacco products**							
	All modes	**15.0**	**0.0**	**13.1**	**0.0**	**15.6**	**0.0**	**19.7**
	Single modes	**14.5**	**0.5**	**13.3**	**0.4**	**16.2**	**1.7**	**11.1**
	Truck[3]	14.5	0.5	13.3	0.5	16.4	1.9	11.8
	For-hire truck	21.2	4.0	17.0	4.5	18.5	3.4	13.0
	Private truck	5.0	4.4	9.2	4.6	18.6	3.8	7.9
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	33.9
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**38.8**	**0.5**	**39.6**	**0.4**	**41.6**	**1.7**	**7.9**
	Parcel, U.S. Postal Service, or courier	31.9	0.4	30.3	0.3	33.5	1.1	7.9
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
10	**Monumental or building stone**							
	All modes	**17.0**	**0.0**	**11.3**	**0.0**	**10.4**	**0.0**	**11.7**
	Single modes	**17.1**	**0.3**	**12.0**	**2.3**	**10.8**	**1.4**	**11.3**
	Truck[3]	17.2	0.5	13.7	5.5	12.5	3.2	11.7
	For-hire truck	20.5	4.4	23.3	6.5	12.5	3.9	25.2
	Private truck	17.3	4.3	11.2	3.8	23.2	2.4	14.9
	Rail	18.6	0.4	38.1	5.0	16.1	3.8	S
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**35.0**	**0.3**	**49.2**	**2.3**	**41.9**	**1.4**	**19.2**
	Parcel, U.S. Postal Service, or courier	32.8	0.1	29.2	Z	36.5	Z	21.0
	Truck and rail	36.8	0.7	29.6	5.7	39.5	3.8	18.8
	Truck and water	S	S	S	S	S	S	1.7
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
11	**Natural sands**							
	All modes	**10.3**	**0.0**	**14.0**	**0.0**	**10.3**	**0.0**	**12.7**
	Single modes	**10.1**	**0.8**	**14.1**	**0.2**	**10.9**	**1.8**	**11.8**
	Truck[3]	12.0	2.8	14.7	0.8	13.4	4.3	10.3
	For-hire truck	16.6	3.6	24.5	4.5	16.5	3.5	21.8
	Private truck	13.3	4.2	9.3	4.0	13.0	1.8	11.7
	Rail	16.7	2.8	15.1	0.8	17.4	4.3	6.5
	Water	S	S	40.0	0.2	41.4	0.5	S
	Inland water	S	S	36.8	0.2	34.5	0.4	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	38.3	0.2	32.8	Z	32.8	Z	0.0
	Multiple waterways	S	S	12.6	0.1	S	S	S
	Air (includes truck and air)	S	S	S	S	S	S	12.7
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**22.6**	**0.8**	**12.5**	**0.2**	**17.5**	**1.8**	**17.0**
	Parcel, U.S. Postal Service, or courier	35.1	Z	26.0	Z	41.5	Z	38.7
	Truck and rail	22.2	0.8	14.3	0.2	18.3	1.8	10.1
	Truck and water	S	S	S	S	47.7	0.6	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
12	**Gravel and crushed stone (excludes dolomite and slate)**							
	All modes	**2.7**	**0.0**	**2.9**	**0.0**	**6.5**	**0.0**	**7.7**
	Single modes	**2.8**	**0.5**	**2.9**	**0.5**	**5.3**	**2.9**	**7.6**
	Truck[3]	2.6	0.9	3.0	1.1	6.1	4.1	8.0
	For-hire truck	5.6	2.0	4.8	1.5	7.7	2.4	12.8
	Private truck	4.8	2.1	4.3	1.8	5.6	1.9	3.6
	Rail	12.7	0.7	15.4	0.7	16.1	2.3	28.3
	Water	21.8	0.4	19.5	0.7	20.2	4.3	13.6
	Inland water	27.2	0.2	23.6	0.3	23.8	1.9	19.7
	Great Lakes	16.8	0.3	15.5	0.7	14.1	3.9	5.4
	Deep sea	42.4	Z	38.2	Z	41.5	Z	13.1
	Multiple waterways	21.7	0.2	29.2	0.3	32.7	5.4	8.3
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	16.0	Z	29.7	Z	S	S	S
	Multiple modes	**26.6**	**0.5**	**23.3**	**0.5**	**27.7**	**2.9**	**21.0**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	29.3
	Truck and rail	29.5	0.4	29.0	0.4	29.1	1.8	29.7
	Truck and water	31.0	0.2	29.7	0.3	36.6	2.1	38.1
	Rail and water	36.4	0.1	39.2	0.1	45.1	0.3	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
13	**Other nonmetallic minerals, n.e.c.**							
	All modes	**8.2**	**0.0**	**8.4**	**0.0**	**6.4**	**0.0**	**17.9**
	Single modes	**9.5**	**2.4**	**8.5**	**0.9**	**6.7**	**2.9**	**9.6**
	Truck[3]	10.6	2.0	7.4	2.9	10.4	3.3	9.9
	For-hire truck	5.1	2.2	11.0	4.9	11.2	2.7	6.6
	Private truck	22.3	3.7	15.9	3.7	18.0	1.4	19.9
	Rail	14.5	1.8	26.0	2.9	17.4	3.5	7.7
	Water	22.7	0.3	25.8	1.6	31.9	6.8	15.3
	Inland water	25.5	0.5	30.8	2.5	34.2	10.2	6.1
	Great Lakes	23.7	0.3	20.8	3.9	36.4	10.5	21.9
	Deep sea	47.4	0.1	47.9	Z	S	S	5.6
	Multiple waterways	26.9	0.2	S	S	S	S	44.5
	Air (includes truck and air)	S	S	29.6	Z	29.9	Z	22.4
	Pipeline[4]	23.0	0.8	19.5	1.3	S	S	S
	Multiple modes	**24.5**	**2.4**	**30.7**	**0.9**	**31.3**	**2.9**	**13.1**
	Parcel, U.S. Postal Service, or courier	25.2	1.3	47.2	Z	S	S	13.3
	Truck and rail	29.8	1.3	34.5	0.9	34.0	2.9	16.3
	Truck and water	35.5	0.1	S	S	S	S	15.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
14	**Metallic ores and concentrates**							
	All modes	**9.5**	**0.0**	**21.9**	**0.0**	**26.5**	**0.0**	**21.3**
	Single modes	**9.2**	**1.9**	**19.6**	**6.7**	**21.3**	**10.0**	**27.9**
	Truck[3]	10.2	2.6	37.4	7.7	43.2	3.9	31.5
	For-hire truck	12.6	3.4	24.3	6.1	21.9	3.5	24.7
	Private truck	23.1	2.1	S	S	S	S	25.8
	Rail	20.0	3.6	25.1	8.1	28.3	8.8	21.0
	Water	11.8	3.8	23.6	16.7	24.0	24.3	16.4
	Inland water	S	S	S	S	S	S	S
	Great Lakes	32.0	3.9	48.3	19.6	48.3	4.5	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	22.0	4.1	20.0	15.8	20.2	33.5	8.7
	Air (includes truck and air)	19.7	2.0	S	S	S	S	15.7
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**32.1**	**1.9**	**S**	**S**	**S**	**S**	**22.6**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	32.4
	Truck and rail	S	S	S	S	S	S	19.7
	Truck and water	40.0	1.1	S	S	S	S	3.1
	Rail and water	S	S	S	S	44.5	22.7	21.6
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
15	**Coal**							
	All modes	**5.5**	**0.0**	**7.2**	**0.0**	**13.6**	**0.0**	**4.8**
	Single modes	**6.0**	**1.4**	**7.9**	**1.2**	**14.0**	**1.0**	**6.1**
	Truck[3]	10.8	2.8	11.7	3.3	14.4	0.4	7.8
	For-hire truck	7.9	1.4	10.2	1.8	14.3	0.3	13.0
	Private truck	23.4	2.7	22.8	2.3	15.5	0.1	12.0
	Rail	8.4	4.4	13.7	5.6	15.5	3.4	13.5
	Water	S	S	S	S	S	S	15.4
	Inland water	S	S	S	S	S	S	15.5
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	24.4	0.7	24.7	0.2	38.7	0.5	26.6
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**22.1**	**1.6**	**20.6**	**1.0**	**25.0**	**1.0**	**16.5**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	42.8
	Truck and rail	42.2	0.2	39.5	0.1	32.2	Z	S
	Truck and water	43.1	1.0	40.6	1.0	S	S	S
	Rail and water	25.2	1.3	23.3	0.9	26.9	0.9	45.8
	Other multiple modes	10.2	0.8	9.3	0.2	9.3	0.3	Z
	Other modes	**31.8**	**0.7**	**18.1**	**0.6**	**22.7**	**Z**	**S**
17-R[7]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**							
	All modes	**4.3**	**0.0**	**4.2**	**0.0**	**9.5**	**0.0**	**10.2**
	Single modes	**4.4**	**0.1**	**4.2**	**0.2**	**11.0**	**3.0**	**11.4**
	Truck[3]	4.6	1.8	4.5	1.8	7.4	2.9	11.4
	For-hire truck	6.7	3.1	7.3	3.1	8.6	2.4	9.2
	Private truck	12.3	2.0	11.9	1.9	11.0	0.9	14.3
	Rail	16.5	0.2	15.8	0.2	14.4	2.5	2.7
	Water	25.4	1.1	24.6	1.1	36.5	5.6	32.2
	Inland water	34.9	1.1	33.8	1.1	S	S	21.9
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	22.7	0.2	22.4	0.2	46.0	2.3	31.9
	Multiple waterways	40.8	1.1	38.1	1.0	38.0	7.6	17.4
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	6.6	1.8	6.5	1.8	S	S	S
	Multiple modes	**23.8**	**0.1**	**24.6**	**0.2**	**24.9**	**3.0**	**12.5**
	Parcel, U.S. Postal Service, or courier	32.1	Z	37.3	Z	49.8	Z	31.2
	Truck and rail	25.5	0.1	26.0	0.2	26.1	2.9	7.0
	Truck and water	36.5	Z	37.3	Z	S	S	S
	Rail and water	39.2	0.1	31.1	0.1	S	S	33.2
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
18-R[8]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**							
	All modes	**7.7**	**0.0**	**9.7**	**0.0**	**27.2**	**0.0**	**8.9**
	Single modes	**7.8**	**0.6**	**9.8**	**0.8**	**13.4**	**9.3**	**9.1**
	Truck[3]	5.2	4.1	5.5	4.9	12.4	6.4	9.4
	For-hire truck	6.4	2.8	6.4	3.1	11.2	3.5	8.7
	Private truck	10.6	3.3	10.9	3.4	21.6	5.0	11.5
	Rail	27.2	0.2	27.6	0.2	24.8	3.3	11.6
	Water	S	S	S	S	36.3	3.2	S
	Inland water	S	S	S	S	44.0	2.5	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	17.7	2.5	S
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[4]	19.9	3.9	24.5	4.7	S	S	S
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.6**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	28.3
	Truck and rail	S	S	S	S	S	S	33.3
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
19	**Other coal and petroleum products, n.e.c.**							
	All modes	**6.0**	**0.0**	**8.9**	**0.0**	**20.3**	**0.0**	**9.7**
	Single modes	**6.0**	**0.2**	**9.1**	**0.4**	**20.8**	**0.8**	**8.2**
	Truck[3]	6.2	1.5	8.8	2.9	20.4	2.2	8.3
	For-hire truck	10.9	2.6	15.8	3.9	25.2	2.6	17.4
	Private truck	10.3	3.4	9.1	3.6	7.5	1.4	11.0
	Rail	14.2	0.9	39.7	3.6	15.1	3.3	7.3
	Water	13.5	1.3	18.7	1.7	48.2	3.8	22.2
	Inland water	14.7	1.2	14.3	1.1	30.2	3.0	24.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	29.3
	Multiple waterways	39.1	0.9	48.0	0.8	45.9	1.0	44.7
	Air (includes truck and air)	S	S	S	S	S	S	11.6
	Pipeline[4]	13.9	0.8	13.1	0.8	S	S	S
	Multiple modes	20.6	0.2	34.7	0.4	25.2	0.8	12.2
	Parcel, U.S. Postal Service, or courier	35.4	0.1	31.7	Z	48.2	Z	12.3
	Truck and rail	38.2	0.1	42.4	Z	37.2	0.2	21.1
	Truck and water	48.4	0.1	S	S	S	S	14.8
	Rail and water	29.0	0.2	37.6	0.5	41.1	0.8	42.4
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
20	**Basic chemicals**							
	All modes	**5.2**	**0.0**	**3.4**	**0.0**	**5.3**	**0.0**	**18.0**
	Single modes	**4.9**	**0.9**	**3.3**	**0.1**	**5.3**	**0.1**	**12.3**
	Truck[3]	5.8	2.4	3.6	2.0	5.4	1.8	11.8
	For-hire truck	5.6	1.9	6.0	1.5	6.8	1.6	12.4
	Private truck	9.5	1.4	7.6	2.1	6.9	0.6	7.9
	Rail	9.5	1.3	8.4	1.5	7.1	2.7	4.5
	Water	15.3	1.3	11.8	1.6	25.5	2.9	16.3
	Inland water	17.8	1.4	14.3	1.6	32.5	3.0	16.7
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	31.7	0.4	44.7	0.9	36.3	1.2	22.8
	Multiple waterways	27.7	0.1	18.9	0.2	28.3	0.5	35.5
	Air (includes truck and air)	24.0	0.2	35.4	Z	49.3	0.1	8.3
	Pipeline[4]	10.3	0.7	10.7	0.6	S	S	S
	Multiple modes	**21.0**	**0.9**	**18.0**	**0.1**	**13.8**	**0.1**	**12.7**
	Parcel, U.S. Postal Service, or courier	23.6	0.8	12.5	Z	21.7	Z	12.7
	Truck and rail	19.0	0.2	22.9	0.1	25.2	0.2	23.2
	Truck and water	28.4	Z	21.3	Z	26.3	Z	18.2
	Rail and water	48.2	0.2	46.6	0.2	S	S	34.2
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
21	**Pharmaceutical products**							
	All modes	**2.5**	**0.0**	**7.2**	**0.0**	**8.5**	**0.0**	**12.2**
	Single modes	**4.3**	**1.8**	**8.9**	**1.7**	**9.3**	**1.2**	**23.0**
	Truck[3]	4.2	1.7	9.0	1.9	10.0	1.9	26.0
	For-hire truck	5.3	1.8	8.6	1.8	10.8	2.0	19.4
	Private truck	10.4	1.1	11.4	1.8	7.3	0.7	18.6
	Rail	28.8	Z	34.4	0.2	41.3	0.9	14.1
	Water	S	S	S	S	S	S	16.7
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	16.7
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.3	0.6	14.4	0.1	11.3	0.2	5.4
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**4.7**	**1.8**	**13.0**	**1.7**	**10.6**	**1.2**	**11.7**
	Parcel, U.S. Postal Service, or courier	4.7	1.8	12.9	1.7	8.8	0.9	11.7
	Truck and rail	S	S	47.6	0.2	S	S	35.7
	Truck and water	39.1	Z	44.3	0.1	S	S	49.2
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
22	**Fertilizers**							
	All modes	**6.6**	**0.0**	**15.6**	**0.0**	**12.2**	**0.0**	**11.4**
	Single modes	**6.4**	**2.1**	**16.9**	**3.4**	**14.2**	**2.7**	**13.4**
	Truck[3]	8.4	4.5	11.0	5.8	8.7	3.9	14.9
	For-hire truck	8.8	1.6	10.3	2.4	9.1	3.1	12.9
	Private truck	9.4	3.6	12.1	4.0	12.7	1.2	10.4
	Rail	15.4	2.9	37.0	4.3	18.3	5.3	19.5
	Water	38.6	1.7	41.1	1.5	S	S	20.6
	Inland water	38.3	1.8	40.7	1.5	S	S	18.7
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	39.5	0.3	37.3	0.3	37.3	0.8	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	28.0
	Pipeline[4]	39.1	0.8	32.3	0.7	S	S	S
	Multiple modes	**41.0**	**2.1**	**S**	**S**	**23.6**	**2.7**	**20.8**
	Parcel, U.S. Postal Service, or courier	33.0	Z	38.5	Z	48.5	Z	13.1
	Truck and rail	41.8	2.1	S	S	24.0	2.7	S
	Truck and water	44.4	Z	S	S	S	S	28.9
	Rail and water	4.1	Z	3.7	Z	3.7	0.3	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
23	**Chemical products and preparations, n.e.c.**							
	All modes	**6.5**	**0.0**	**6.7**	**0.0**	**5.5**	**0.0**	**4.6**
	Single modes	**5.5**	**1.2**	**6.9**	**0.4**	**5.4**	**0.7**	**7.0**
	Truck[3]	5.8	1.1	7.3	0.6	6.2	1.7	6.2
	For-hire truck	7.1	2.1	6.3	1.9	6.0	1.6	3.5
	Private truck	7.8	1.8	12.0	2.1	14.3	0.9	5.5
	Rail	10.7	0.4	8.4	0.6	9.7	1.3	10.0
	Water	S	S	S	S	S	S	S
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	42.8	Z	S	S	S
	Multiple waterways	36.0	0.1	S	S	S	S	S
	Air (includes truck and air)	16.7	0.2	25.6	Z	30.0	0.1	4.0
	Pipeline[4]	S	S	14.9	0.2	S	S	S
	Multiple modes	**18.0**	**1.2**	**11.4**	**0.4**	**10.6**	**0.7**	**3.5**
	Parcel, U.S. Postal Service, or courier	21.7	1.3	12.8	0.1	12.0	0.2	3.5
	Truck and rail	15.1	0.2	18.1	0.4	15.9	0.7	48.5
	Truck and water	25.7	Z	24.5	Z	29.3	0.1	14.3
	Rail and water	34.2	Z	34.1	0.1	45.0	0.8	36.5
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
24	**Plastics and rubber**							
	All modes	**3.4**	**0.0**	**5.6**	**0.0**	**6.3**	**0.0**	**11.0**
	Single modes	**3.7**	**0.5**	**5.7**	**0.7**	**6.2**	**1.1**	**4.9**
	Truck[3]	3.8	1.5	5.4	2.9	4.1	3.5	5.7
	For-hire truck	5.0	1.5	5.1	2.3	4.1	3.3	5.3
	Private truck	3.8	1.0	9.3	1.2	9.5	0.3	4.5
	Rail	14.4	1.5	15.1	2.7	16.5	3.4	6.7
	Water	S	S	S	S	42.4	0.1	20.6
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	38.2	Z	38.0	Z	S	S	20.4
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	20.7	0.3	22.4	Z	16.3	0.1	5.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**4.3**	**0.5**	**11.8**	**0.7**	**13.8**	**1.1**	**7.2**
	Parcel, U.S. Postal Service, or courier	6.6	0.6	10.4	0.1	12.0	0.2	7.2
	Truck and rail	13.7	0.4	13.9	0.7	16.0	1.1	5.5
	Truck and water	12.5	Z	18.9	Z	18.1	Z	11.5
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
25	**Logs and other wood in the rough**							
	All modes	**17.0**	**0.0**	**25.1**	**0.0**	**20.2**	**0.0**	**29.4**
	Single modes	**17.5**	**1.5**	**25.3**	**0.4**	**20.9**	**2.3**	**13.4**
	Truck[3]	18.5	2.3	25.8	1.1	21.6	4.9	12.7
	For-hire truck	17.7	5.8	21.3	6.2	17.6	6.6	18.0
	Private truck	22.2	4.7	36.5	6.5	34.9	5.3	14.7
	Rail	26.6	1.6	23.1	0.9	28.6	4.1	19.5
	Water	S	S	S	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**39.5**	**1.5**	**S**	**S**	**S**	**S**	**19.2**
	Parcel, U.S. Postal Service, or courier	45.1	0.3	44.9	Z	47.6	Z	21.1
	Truck and rail	44.6	2.1	S	S	S	S	17.6
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
26	**Wood products**							
	All modes	**2.6**	**0.0**	**7.2**	**0.0**	**6.9**	**0.0**	**6.1**
	Single modes	**2.4**	**0.2**	**7.6**	**1.3**	**6.6**	**1.8**	**6.4**
	Truck[3]	2.3	0.3	7.9	1.6	6.4	2.1	6.6
	For-hire truck	2.3	0.9	10.6	2.6	6.9	1.8	8.3
	Private truck	3.7	1.0	8.1	2.5	8.4	1.0	5.4
	Rail	7.9	0.2	10.6	0.6	10.7	1.5	5.6
	Water	37.0	Z	31.9	Z	S	S	29.3
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	37.0	Z	31.9	Z	S	S	29.3
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	30.9	Z	36.6	Z	S	S	15.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**8.2**	**0.2**	**31.0**	**1.3**	**15.8**	**1.8**	**6.8**
	Parcel, U.S. Postal Service, or courier	14.4	0.2	11.3	Z	15.8	Z	6.9
	Truck and rail	8.6	0.2	32.0	1.3	16.6	1.8	7.4
	Truck and water	28.1	Z	S	S	S	S	19.5
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
27	**Pulp, newsprint, paper, and paperboard**							
	All modes	**3.2**	**0.0**	**4.5**	**0.0**	**3.8**	**0.0**	**13.8**
	Single modes	**3.3**	**0.3**	**4.5**	**0.3**	**3.9**	**0.4**	**6.9**
	Truck[3]	3.3	0.9	3.8	0.9	2.6	1.6	7.3
	For-hire truck	3.9	1.7	4.5	1.6	2.6	1.6	8.1
	Private truck	8.3	1.5	8.5	1.3	8.5	0.2	6.6
	Rail	7.2	0.7	8.4	0.8	8.4	1.5	2.3
	Water	S	S	S	S	38.7	Z	29.9
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	38.7	Z	29.9
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	32.0	0.1	33.5	Z	35.9	Z	8.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**5.9**	**0.3**	**6.9**	**0.3**	**4.5**	**0.4**	**17.4**
	Parcel, U.S. Postal Service, or courier	18.7	0.2	17.3	Z	25.1	Z	17.6
	Truck and rail	6.3	0.3	7.0	0.3	4.6	0.4	5.0
	Truck and water	19.9	Z	30.7	Z	38.9	0.1	13.1
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
28	**Paper or paperboard articles**							
	All modes	**2.5**	**0.0**	**3.5**	**0.0**	**3.6**	**0.0**	**11.0**
	Single modes	**2.3**	**0.6**	**3.5**	**0.2**	**3.7**	**1.0**	**18.2**
	Truck[3]	2.6	0.7	2.9	0.8	2.5	2.5	19.7
	For-hire truck	3.1	1.3	3.5	1.0	2.4	2.1	11.8
	Private truck	4.6	1.0	5.4	1.5	8.2	0.5	3.9
	Rail	16.4	0.3	22.5	0.8	21.3	2.6	7.2
	Water	26.1	Z	26.6	Z	36.0	0.1	21.2
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	26.1	Z	26.6	Z	36.0	0.1	21.2
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	25.1	Z	34.2	Z	40.6	Z	12.6
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**11.2**	**0.6**	**9.8**	**0.2**	**13.4**	**1.0**	**9.0**
	Parcel, U.S. Postal Service, or courier	12.8	0.6	10.3	Z	12.1	0.1	9.0
	Truck and rail	24.7	0.3	13.4	0.2	15.4	0.9	8.6
	Truck and water	34.6	Z	28.7	Z	28.5	0.1	23.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
29	**Printed products**							
	All modes	**4.3**	**0.0**	**8.0**	**0.0**	**9.2**	**0.0**	**17.1**
	Single modes	**3.7**	**1.9**	**8.4**	**0.5**	**9.9**	**1.3**	**39.2**
	Truck[3]	3.9	1.8	8.4	0.5	10.2	1.5	43.4
	For-hire truck	5.6	1.3	9.0	2.7	10.2	1.4	23.1
	Private truck	8.8	2.0	16.8	2.9	11.3	0.3	43.0
	Rail	30.1	0.1	26.0	0.1	31.8	0.5	6.4
	Water	16.8	Z	23.7	Z	35.7	Z	30.8
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	16.8	Z	23.7	Z	35.7	Z	30.8
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	12.5	0.2	16.9	Z	15.0	0.2	6.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**9.6**	**1.9**	**7.8**	**0.5**	**11.1**	**1.3**	**13.3**
	Parcel, U.S. Postal Service, or courier	9.7	1.9	8.7	0.5	11.2	1.1	13.3
	Truck and rail	45.3	0.1	34.4	0.1	36.6	0.4	14.3
	Truck and water	37.7	Z	36.5	0.1	36.4	0.2	14.1
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
30	**Textiles, leather, and articles of textiles or leather**							
	All modes	**8.8**	**0.0**	**8.0**	**0.0**	**11.0**	**0.0**	**2.3**
	Single modes	**11.9**	**2.8**	**8.4**	**0.7**	**11.6**	**1.0**	**5.9**
	Truck[3]	11.7	2.7	8.6	1.1	12.0	2.0	7.0
	For-hire truck	10.7	2.4	11.0	2.5	12.4	2.0	5.1
	Private truck	25.5	2.6	11.4	2.6	17.6	0.8	11.6
	Rail	S	S	45.0	0.5	S	S	14.9
	Water	38.7	Z	S	S	S	S	S
	Inland water	S	S	S	S	7.3	Z	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	36.7	Z	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	31.6	0.3	25.0	0.1	24.9	0.1	12.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**8.1**	**2.8**	**7.7**	**0.7**	**9.8**	**1.0**	**2.2**
	Parcel, U.S. Postal Service, or courier	8.5	2.8	7.1	0.5	9.1	0.6	2.2
	Truck and rail	29.2	0.3	18.1	0.4	23.7	0.8	10.5
	Truck and water	29.4	Z	25.1	Z	26.2	0.1	21.3
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
31	**Nonmetallic mineral products**							
	All modes	**2.2**	**0.0**	**3.5**	**0.0**	**2.5**	**0.0**	**8.0**
	Single modes	**2.4**	**0.8**	**3.6**	**0.3**	**2.6**	**1.3**	**7.5**
	Truck[3]	2.4	1.0	3.4	0.6	3.0	2.1	7.9
	For-hire truck	3.9	1.5	6.2	1.4	3.6	1.9	5.3
	Private truck	3.0	0.9	3.9	1.5	4.3	0.7	9.6
	Rail	17.1	0.3	13.9	0.5	12.8	1.6	11.9
	Water	26.3	0.1	25.2	0.2	24.8	0.8	11.2
	Inland water	32.3	Z	32.8	0.1	35.9	0.6	24.6
	Great Lakes	27.3	0.1	25.3	0.1	29.5	0.4	16.3
	Deep sea	43.9	Z	28.1	Z	35.5	0.2	12.0
	Multiple waterways	24.1	Z	27.0	0.1	35.1	0.5	26.7
	Air (includes truck and air)	20.7	0.2	17.4	Z	19.1	Z	9.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**11.6**	**0.8**	**10.3**	**0.3**	**12.7**	**1.3**	**3.6**
	Parcel, U.S. Postal Service, or courier	14.5	0.8	28.1	Z	31.6	0.1	3.6
	Truck and rail	10.9	0.1	12.0	0.2	10.9	0.9	8.8
	Truck and water	48.0	0.1	39.9	0.1	42.7	0.9	19.2
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
32	**Base metal in primary or semifinished forms and in finished basic shapes**							
	All modes	**2.2**	**0.0**	**3.1**	**0.0**	**2.8**	**0.0**	**6.0**
	Single modes	**2.2**	**0.3**	**3.3**	**0.5**	**2.8**	**0.8**	**4.8**
	Truck[3]	2.4	0.7	3.8	1.1	3.6	1.9	4.0
	For-hire truck	2.5	0.8	3.8	0.9	3.5	1.6	5.1
	Private truck	4.4	0.8	5.3	0.8	6.8	0.4	4.3
	Rail	7.3	0.5	7.0	0.8	9.5	1.7	8.7
	Water	28.4	0.1	30.4	0.4	29.9	1.2	19.8
	Inland water	26.7	0.1	28.7	0.4	28.3	1.1	15.8
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	23.9
	Multiple waterways	34.5	0.1	46.3	0.4	48.8	1.6	5.7
	Air (includes truck and air)	14.8	0.1	15.7	Z	17.6	Z	6.8
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**6.0**	**0.3**	**9.9**	**0.5**	**7.6**	**0.8**	**4.6**
	Parcel, U.S. Postal Service, or courier	7.8	0.1	15.7	Z	19.0	Z	4.8
	Truck and rail	6.3	0.2	10.0	0.5	7.7	0.8	6.1
	Truck and water	38.2	0.1	46.2	0.2	26.0	0.1	21.7
	Rail and water	S	S	S	S	40.2	Z	S
	Other multiple modes	S	S	S	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
33	**Articles of base metal**							
	All modes	**2.5**	**0.0**	**3.1**	**0.0**	**2.9**	**0.0**	**4.4**
	Single modes	**2.2**	**0.4**	**3.4**	**0.4**	**3.0**	**1.1**	**8.6**
	Truck[3]	2.3	0.5	3.6	0.9	2.8	1.5	8.8
	For-hire truck	3.1	0.9	3.8	1.4	3.2	1.3	5.6
	Private truck	4.5	1.2	6.1	1.2	6.0	0.5	5.0
	Rail	12.9	0.2	14.0	0.7	15.9	1.1	5.6
	Water	S	S	S	S	S	S	47.5
	Inland water	S	S	S	S	S	S	3.5
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	37.3	Z	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	12.5	0.1	14.2	Z	14.9	Z	7.9
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**4.9**	**0.4**	**8.6**	**0.4**	**10.4**	**1.1**	**4.3**
	Parcel, U.S. Postal Service, or courier	4.9	0.4	5.7	0.1	7.9	0.2	4.3
	Truck and rail	16.4	0.2	12.1	0.4	13.4	1.0	11.5
	Truck and water	27.9	Z	23.7	Z	18.5	0.1	10.0
	Rail and water	S	S	S	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
34	**Machinery**							
	All modes	**2.8**	**0.0**	**9.5**	**0.0**	**6.0**	**0.0**	**4.7**
	Single modes	**2.8**	**0.5**	**9.9**	**0.5**	**5.7**	**1.4**	**5.4**
	Truck[3]	2.3	0.7	9.9	0.7	5.8	1.8	5.7
	For-hire truck	2.4	0.7	7.3	1.7	6.1	1.6	5.8
	Private truck	3.6	0.5	19.6	2.1	8.8	0.5	4.1
	Rail	40.1	0.3	35.6	0.3	32.3	0.6	15.0
	Water	S	S	S	S	S	S	25.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	25.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	13.6	0.5	10.7	0.1	6.2	0.1	3.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**4.3**	**0.5**	**11.8**	**0.5**	**20.3**	**1.4**	**4.8**
	Parcel, U.S. Postal Service, or courier	3.3	0.4	5.4	0.2	8.3	0.2	4.8
	Truck and rail	32.4	0.4	30.6	0.5	37.9	1.4	5.6
	Truck and water	34.4	0.1	24.9	0.1	23.9	0.2	11.4
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
35	**Electronic and other electrical equipment and components and office equipment**							
	All modes	**3.4**	**0.0**	**3.8**	**0.0**	**4.0**	**0.0**	**4.8**
	Single modes	**4.5**	**1.0**	**4.0**	**0.4**	**4.0**	**0.7**	**10.9**
	Truck[3]	3.7	0.5	4.2	0.5	4.3	0.7	10.9
	For-hire truck	4.1	0.6	5.2	2.2	4.8	1.2	11.6
	Private truck	6.0	0.6	10.8	2.4	24.0	0.8	11.7
	Rail	37.4	Z	31.8	0.1	32.5	0.3	11.4
	Water	S	S	23.9	Z	35.8	Z	42.9
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	27.4	Z	40.1	Z	48.2
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	10.0	1.0	8.8	0.1	9.9	0.2	15.4
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**2.5**	**1.0**	**4.5**	**0.4**	**6.6**	**0.7**	**4.1**
	Parcel, U.S. Postal Service, or courier	2.8	1.0	3.7	0.4	6.6	0.5	4.1
	Truck and rail	30.5	0.2	27.0	0.2	25.6	0.5	14.2
	Truck and water	26.8	Z	26.0	Z	15.2	0.1	11.2
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
36	**Motorized and other vehicles (including parts)**							
	All modes	**2.4**	**0.0**	**4.5**	**0.0**	**7.9**	**0.0**	**8.9**
	Single modes	**2.2**	**1.2**	**4.4**	**0.8**	**8.2**	**1.7**	**11.9**
	Truck[3]	2.7	2.1	4.2	1.1	9.0	2.6	11.1
	For-hire truck	3.6	1.8	6.0	2.1	9.9	2.6	7.4
	Private truck	7.1	1.6	8.1	1.8	14.2	0.9	25.7
	Rail	36.6	1.5	29.9	0.8	25.8	1.6	8.0
	Water	S	S	S	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	20.9	0.3	17.1	Z	20.4	0.1	2.9
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**9.4**	**1.2**	**12.3**	**0.8**	**13.8**	**1.7**	**7.2**
	Parcel, U.S. Postal Service, or courier	6.9	0.6	7.4	0.1	9.1	0.2	7.3
	Truck and rail	18.0	1.1	14.6	0.7	17.2	1.7	6.3
	Truck and water	45.4	0.1	S	S	40.0	0.4	34.0
	Rail and water	41.6	0.1	10.0	0.1	5.0	0.6	11.7
	Other multiple modes	8.0	0.1	21.8	0.1	20.0	0.9	1.9
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
37	**Transportation equipment, n.e.c.**							
	All modes	**6.4**	**0.0**	**9.3**	**0.0**	**11.6**	**0.0**	**4.9**
	Single modes	**6.7**	**0.7**	**9.4**	**1.2**	**13.5**	**3.0**	**10.8**
	Truck[3]	10.9	3.5	17.5	5.6	17.2	6.3	17.3
	For-hire truck	12.7	3.0	17.7	5.3	17.6	6.3	8.3
	Private truck	13.4	1.2	17.4	0.6	25.0	0.4	15.5
	Rail	22.3	0.3	19.7	4.8	22.2	4.5	14.6
	Water	2.5	0.5	12.3	2.8	S	S	26.5
	Inland water	18.0	0.1	21.0	2.2	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	15.9	0.2	30.0	2.3	S	S	39.9
	Air (includes truck and air)	13.2	3.6	12.7	0.4	10.9	0.7	3.5
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**7.3**	**0.7**	**22.5**	**1.2**	**26.6**	**3.0**	**3.4**
	Parcel, U.S. Postal Service, or courier	8.1	1.0	8.9	0.1	9.8	0.4	3.4
	Truck and rail	S	S	29.3	1.3	35.4	3.2	11.2
	Truck and water	36.1	Z	S	S	S	S	37.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
38	**Precision instruments and apparatus**							
	All modes	**3.1**	**0.0**	**18.6**	**0.0**	**8.7**	**0.0**	**3.0**
	Single modes	**5.2**	**1.5**	**8.5**	**6.7**	**10.5**	**4.1**	**6.4**
	Truck[3]	4.3	1.2	8.5	6.2	10.8	3.9	10.7
	For-hire truck	4.8	1.0	8.0	4.9	10.7	3.8	8.3
	Private truck	6.4	0.5	18.8	2.3	26.4	0.2	15.1
	Rail	S	S	S	S	S	S	8.5
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	9.0	1.0	14.8	0.9	13.0	1.1	3.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**3.3**	**1.5**	**S**	**S**	**24.5**	**4.1**	**3.0**
	Parcel, U.S. Postal Service, or courier	3.3	1.4	9.8	2.0	11.0	1.6	3.0
	Truck and rail	27.5	0.1	S	S	S	S	35.2
	Truck and water	S	S	S	S	S	S	37.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**							
	All modes	**10.8**	**0.0**	**12.1**	**0.0**	**6.7**	**0.0**	**7.8**
	Single modes	**11.5**	**1.0**	**12.4**	**0.4**	**6.8**	**0.6**	**9.2**
	Truck[3]	11.6	1.0	12.5	0.4	7.0	0.8	9.3
	For-hire truck	12.4	2.7	13.8	3.2	7.1	1.6	5.4
	Private truck	12.9	2.5	15.5	3.4	25.8	1.8	13.9
	Rail	43.4	0.1	41.5	0.2	46.1	0.7	9.6
	Water	S	S	S	S	S	S	12.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	12.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	23.7	0.1	19.2	Z	26.5	0.1	11.6
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**10.5**	**1.0**	**12.3**	**0.4**	**11.8**	**0.6**	**5.5**
	Parcel, U.S. Postal Service, or courier	12.2	1.0	14.6	0.4	16.3	0.7	5.6
	Truck and rail	33.2	0.1	37.0	0.1	41.4	0.5	13.3
	Truck and water	28.4	Z	26.1	Z	28.7	0.1	15.4
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
40	**Miscellaneous manufactured products**							
	All modes	**3.7**	**0.0**	**10.9**	**0.0**	**6.0**	**0.0**	**3.3**
	Single modes	**4.5**	**1.4**	**11.6**	**0.8**	**6.3**	**1.2**	**9.6**
	Truck[3]	4.2	1.4	11.5	0.6	5.8	1.3	10.6
	For-hire truck	3.8	1.9	5.6	4.6	5.9	1.5	9.0
	Private truck	14.7	1.6	24.6	5.2	9.7	0.4	12.3
	Rail	35.3	0.1	33.5	0.2	40.9	0.8	16.2
	Water	S	S	S	S	S	S	25.7
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	26.2
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.2	0.4	20.6	0.1	18.7	0.2	3.2
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**5.2**	**1.4**	**8.2**	**0.8**	**10.7**	**1.2**	**2.7**
	Parcel, U.S. Postal Service, or courier	5.1	1.4	6.1	0.5	8.0	1.0	2.7
	Truck and rail	20.2	0.1	29.7	0.5	32.4	0.9	14.9
	Truck and water	S	S	S	S	S	S	15.5
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
41	**Waste and scrap**							
	All modes	**9.2**	**0.0**	**8.1**	**0.0**	**17.5**	**0.0**	**9.2**
	Single modes	**9.8**	**0.9**	**8.0**	**0.9**	**18.9**	**1.9**	**7.8**
	Truck[3]	10.0	1.9	8.4	2.8	26.5	5.3	8.3
	For-hire truck	9.0	2.4	11.0	3.5	29.9	5.9	10.6
	Private truck	14.7	2.5	11.0	2.6	9.6	1.5	5.7
	Rail	17.7	1.2	21.5	1.9	12.4	3.5	17.2
	Water	42.6	1.7	45.1	2.0	36.6	2.1	S
	Inland water	37.2	0.6	35.1	0.5	S	S	27.6
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	43.5	0.4	S
	Multiple waterways	S	S	S	S	S	S	25.5
	Air (includes truck and air)	49.8	0.1	S	S	S	S	15.6
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**11.5**	**0.9**	**17.0**	**0.9**	**25.2**	**1.9**	**9.6**
	Parcel, U.S. Postal Service, or courier	40.5	Z	42.4	Z	44.9	Z	21.4
	Truck and rail	12.9	0.8	19.1	1.0	27.0	1.8	11.4
	Truck and water	23.0	0.1	29.5	0.2	32.8	0.4	S
	Rail and water	S	S	S	S	28.0	Z	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
43	**Mixed freight**							
	All modes	**3.4**	**0.0**	**3.3**	**0.0**	**4.7**	**0.0**	**9.5**
	Single modes	**3.6**	**0.4**	**3.3**	**0.1**	**5.0**	**0.8**	**6.6**
	Truck[3]	3.6	0.4	3.3	0.1	5.3	1.1	7.3
	For-hire truck	7.5	1.9	7.8	2.0	7.5	1.9	6.6
	Private truck	3.8	1.9	3.7	1.9	5.3	1.7	3.5
	Rail	26.8	Z	22.8	0.1	26.1	0.5	13.4
	Water	35.7	Z	29.6	Z	33.2	0.2	14.9
	Inland water	S	S	29.6	Z	S	S	6.7
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	36.4	Z	29.6	Z	32.9	0.2	15.5
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	29.0	0.1	47.5	0.1	S	S	9.4
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**6.4**	**0.4**	**7.9**	**0.1**	**10.1**	**0.8**	**10.3**
	Parcel, U.S. Postal Service, or courier	6.7	0.3	10.8	0.1	8.3	0.3	10.4
	Truck and rail	15.9	0.1	14.5	0.1	16.1	0.6	11.4
	Truck and water	20.6	Z	18.9	Z	21.8	0.4	18.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-7.

Estimated Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[1]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
99	**Commodity unknown**							
	All modes	**37.9**	**0.0**	**33.0**	**0.0**	**28.0**	**0.0**	**19.4**
	Single modes	**37.9**	**0.0**	**33.0**	**0.0**	**28.0**	**0.0**	**19.4**
	Truck[3]	S	S	S	S	S	S	22.3
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	2.4
	Rail	30.8	15.8	27.0	14.5	26.7	10.8	24.4
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[2] Estimates exclude shipments of crude petroleum (SCTG 16).
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[5] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[6] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[7] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[8] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
	All commodities[3]			
	Total	**1.1**	**1.8**	**3.7**
	Less than 50 miles	2.0	2.2	2.4
	50 to 99 miles	2.2	2.8	3.1
	100 to 249 miles	1.8	3.2	3.6
	250 to 499 miles	1.2	4.1	4.0
	500 to 749 miles	1.7	4.4	4.9
	750 to 999 miles	1.9	8.4	8.3
	1,000 to 1,499 miles	2.5	6.9	6.8
	1,500 to 1,999 miles	4.0	5.4	7.4
	2,000 miles or more	3.5	4.3	4.2
01	**Live animals and live fish**			
	Total	**24.6**	**24.7**	**22.2**
	Less than 50 miles	30.3	39.2	37.2
	50 to 99 miles	43.8	42.3	47.1
	100 to 249 miles	39.0	42.2	38.1
	250 to 499 miles	31.6	29.3	30.4
	500 to 749 miles	S	S	S
	750 to 999 miles	29.0	29.6	29.9
	1,000 to 1,499 miles	31.9	32.9	34.2
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
02	**Cereal grains (includes seed)**			
	Total	**9.7**	**10.3**	**20.9**
	Less than 50 miles	7.6	8.6	12.8
	50 to 99 miles	19.2	22.3	22.1
	100 to 249 miles	19.2	19.9	22.6
	250 to 499 miles	15.1	16.9	16.7
	500 to 749 miles	19.7	18.0	19.5
	750 to 999 miles	49.4	49.6	S
	1,000 to 1,499 miles	30.2	31.8	31.6
	1,500 to 1,999 miles	24.0	29.9	32.4
	2,000 miles or more	44.3	46.6	47.1
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**			
	Total	**5.4**	**4.9**	**10.6**
	Less than 50 miles	6.5	7.7	16.4
	50 to 99 miles	12.8	13.2	15.2
	100 to 249 miles	9.0	14.2	14.0
	250 to 499 miles	20.2	17.1	18.6
	500 to 749 miles	15.6	20.5	22.7
	750 to 999 miles	19.4	27.0	28.7
	1,000 to 1,499 miles	14.1	19.5	20.7
	1,500 to 1,999 miles	7.8	22.1	32.4
	2,000 miles or more	13.5	16.3	16.3
04	**Animal feed, eggs, honey, and other products of animal origin**			
	Total	**5.9**	**6.5**	**6.1**
	Less than 50 miles	7.4	7.7	8.6
	50 to 99 miles	7.6	9.7	9.9
	100 to 249 miles	9.7	11.2	11.3
	250 to 499 miles	11.2	10.3	9.1
	500 to 749 miles	12.1	15.2	16.8
	750 to 999 miles	12.9	10.5	9.5
	1,000 to 1,499 miles	14.8	14.2	14.4
	1,500 to 1,999 miles	20.1	20.2	19.3
	2,000 miles or more	25.1	42.7	39.5
05	**Meat, poultry, fish, seafood, and their preparations**			
	Total	**3.3**	**3.3**	**4.1**
	Less than 50 miles	6.0	5.8	6.5
	50 to 99 miles	6.9	7.1	7.2
	100 to 249 miles	5.8	7.9	7.6
	250 to 499 miles	4.5	4.7	4.8
	500 to 749 miles	6.7	6.2	5.8
	750 to 999 miles	4.2	2.4	2.4
	1,000 to 1,499 miles	4.1	6.9	6.9
	1,500 to 1,999 miles	6.9	11.4	11.5
	2,000 miles or more	13.4	12.5	12.4
06	**Milled grain products and preparations and bakery products**			
	Total	**5.2**	**6.8**	**9.6**
	Less than 50 miles	7.7	14.3	15.7
	50 to 99 miles	8.9	12.0	12.3
	100 to 249 miles	8.6	18.5	27.4
	250 to 499 miles	9.5	7.1	7.2
	500 to 749 miles	9.6	9.9	14.3
	750 to 999 miles	5.7	5.5	5.7
	1,000 to 1,499 miles	11.1	10.5	10.5
	1,500 to 1,999 miles	10.6	20.3	20.7
	2,000 miles or more	10.7	15.4	15.8

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
07-R[4]	**Other prepared foodstuffs and fats and oils**			
	Total	**3.6**	**3.5**	**7.9**
	Less than 50 miles	3.7	5.1	4.0
	50 to 99 miles	7.4	6.7	6.7
	100 to 249 miles	4.7	4.4	4.5
	250 to 499 miles	4.1	3.4	3.6
	500 to 749 miles	5.6	6.7	6.9
	750 to 999 miles	4.1	7.8	8.3
	1,000 to 1,499 miles	7.2	8.2	8.7
	1,500 to 1,999 miles	10.6	15.8	16.4
	2,000 miles or more	20.2	30.5	30.8
08-R[5]	**Alcoholic beverages, and denatured alcohol**			
	Total	**1.6**	**2.9**	**4.3**
	Less than 50 miles	3.8	4.1	5.2
	50 to 99 miles	6.9	5.4	5.9
	100 to 249 miles	6.9	8.7	9.4
	250 to 499 miles	11.2	14.4	14.8
	500 to 749 miles	10.4	13.2	14.4
	750 to 999 miles	9.4	15.4	16.4
	1,000 to 1,499 miles	8.1	7.7	8.7
	1,500 to 1,999 miles	12.1	19.9	20.2
	2,000 miles or more	11.9	17.7	19.1
09	**Tobacco products**			
	Total	**15.0**	**13.1**	**15.6**
	Less than 50 miles	24.8	23.8	19.3
	50 to 99 miles	8.0	10.8	11.0
	100 to 249 miles	8.8	13.5	15.6
	250 to 499 miles	23.4	22.8	23.2
	500 to 749 miles	17.6	19.4	18.3
	750 to 999 miles	33.4	S	48.8
	1,000 to 1,499 miles	26.9	24.2	22.3
	1,500 to 1,999 miles	45.2	36.2	35.2
	2,000 miles or more	28.0	25.1	24.4
10	**Monumental or building stone**			
	Total	**17.0**	**11.3**	**10.4**
	Less than 50 miles	16.6	17.3	12.7
	50 to 99 miles	24.1	23.0	19.5
	100 to 249 miles	21.6	16.5	17.3
	250 to 499 miles	36.3	23.6	24.0
	500 to 749 miles	24.2	24.4	24.0
	750 to 999 miles	32.4	24.4	27.7
	1,000 to 1,499 miles	44.0	37.5	38.4
	1,500 to 1,999 miles	33.3	38.7	38.0
	2,000 miles or more	33.1	44.7	44.6
11	**Natural sands**			
	Total	**10.3**	**14.0**	**10.3**
	Less than 50 miles	14.7	15.7	15.6
	50 to 99 miles	21.1	32.8	31.3
	100 to 249 miles	17.0	18.2	19.5
	250 to 499 miles	18.0	17.3	22.2
	500 to 749 miles	23.3	21.5	22.9
	750 to 999 miles	17.5	28.0	27.3
	1,000 to 1,499 miles	25.5	15.0	15.3
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	35.0	34.3
12	**Gravel and crushed stone (excludes dolomite and slate)**			
	Total	**2.7**	**2.9**	**6.5**
	Less than 50 miles	3.2	3.2	3.4
	50 to 99 miles	9.9	10.9	11.2
	100 to 249 miles	10.6	12.1	14.4
	250 to 499 miles	9.9	15.1	15.0
	500 to 749 miles	15.8	27.6	27.4
	750 to 999 miles	29.8	42.9	40.8
	1,000 to 1,499 miles	38.9	29.8	29.1
	1,500 to 1,999 miles	28.1	35.8	37.2
	2,000 miles or more	32.5	35.7	36.5
13	**Other nonmetallic minerals, n.e.c.**			
	Total	**8.2**	**8.4**	**6.4**
	Less than 50 miles	18.3	10.1	14.7
	50 to 99 miles	13.2	8.6	9.0
	100 to 249 miles	10.1	12.0	12.7
	250 to 499 miles	15.0	18.2	17.3
	500 to 749 miles	8.6	16.3	16.5
	750 to 999 miles	17.1	17.2	17.2
	1,000 to 1,499 miles	16.5	15.8	16.2
	1,500 to 1,999 miles	33.2	18.8	19.0
	2,000 miles or more	23.8	18.4	18.4

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
14	**Metallic ores and concentrates**			
	Total	**9.5**	**21.9**	**26.5**
	Less than 50 miles	17.0	34.3	24.4
	50 to 99 miles	12.7	26.5	26.3
	100 to 249 miles	12.0	32.3	38.0
	250 to 499 miles	28.8	45.3	46.1
	500 to 749 miles	27.4	17.2	16.0
	750 to 999 miles	18.7	49.6	S
	1,000 to 1,499 miles	19.6	35.3	33.8
	1,500 to 1,999 miles	28.6	35.4	33.3
	2,000 miles or more	40.3	39.7	37.0
15	**Coal**			
	Total	**5.5**	**7.2**	**13.6**
	Less than 50 miles	8.3	8.2	5.1
	50 to 99 miles	9.9	13.2	14.1
	100 to 249 miles	16.5	20.0	17.0
	250 to 499 miles	9.2	16.6	14.1
	500 to 749 miles	12.1	16.1	16.6
	750 to 999 miles	20.4	21.4	21.0
	1,000 to 1,499 miles	17.8	16.6	16.3
	1,500 to 1,999 miles	27.1	26.5	26.0
	2,000 miles or more	S	S	S
17-R[6]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**			
	Total	**4.3**	**4.2**	**9.5**
	Less than 50 miles	4.7	4.5	6.8
	50 to 99 miles	10.3	10.5	9.0
	100 to 249 miles	12.7	12.6	13.9
	250 to 499 miles	29.5	29.4	25.9
	500 to 749 miles	36.1	34.5	32.6
	750 to 999 miles	31.3	29.2	26.5
	1,000 to 1,499 miles	5.7	5.1	5.4
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
18-R[7]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**			
	Total	**7.7**	**9.7**	**27.2**
	Less than 50 miles	9.9	12.5	8.0
	50 to 99 miles	17.3	18.5	19.7
	100 to 249 miles	12.9	13.1	11.6
	250 to 499 miles	28.7	28.3	29.8
	500 to 749 miles	S	S	S
	750 to 999 miles	14.3	15.4	15.8
	1,000 to 1,499 miles	43.7	46.4	47.6
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
19	**Other coal and petroleum products, n.e.c.**			
	Total	**6.0**	**8.9**	**20.3**
	Less than 50 miles	3.6	9.8	7.8
	50 to 99 miles	8.8	7.3	9.3
	100 to 249 miles	13.7	17.6	23.3
	250 to 499 miles	13.0	22.5	21.6
	500 to 749 miles	18.6	30.2	32.6
	750 to 999 miles	17.5	33.8	36.8
	1,000 to 1,499 miles	16.0	15.1	14.7
	1,500 to 1,999 miles	17.0	28.6	26.7
	2,000 miles or more	21.9	16.1	16.3
20	**Basic chemicals**			
	Total	**5.2**	**3.4**	**5.3**
	Less than 50 miles	6.1	5.2	9.0
	50 to 99 miles	13.4	13.2	13.3
	100 to 249 miles	9.0	6.9	7.2
	250 to 499 miles	8.6	10.7	10.4
	500 to 749 miles	15.1	16.9	19.0
	750 to 999 miles	9.4	13.6	12.5
	1,000 to 1,499 miles	5.3	7.3	7.1
	1,500 to 1,999 miles	9.1	14.0	14.4
	2,000 miles or more	20.8	20.0	20.4
21	**Pharmaceutical products**			
	Total	**2.5**	**7.2**	**8.5**
	Less than 50 miles	6.5	13.7	14.3
	50 to 99 miles	12.0	13.6	12.6
	100 to 249 miles	7.8	6.4	6.3
	250 to 499 miles	8.2	13.1	13.2
	500 to 749 miles	9.5	10.0	9.8
	750 to 999 miles	11.4	21.4	20.4
	1,000 to 1,499 miles	9.9	11.1	11.3
	1,500 to 1,999 miles	9.1	15.5	16.2
	2,000 miles or more	10.9	31.5	31.7

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
22	**Fertilizers**			
	Total	**6.6**	**15.6**	**12.2**
	Less than 50 miles	9.7	26.0	27.1
	50 to 99 miles	10.7	11.2	11.7
	100 to 249 miles	12.6	11.3	11.9
	250 to 499 miles	10.0	8.9	8.8
	500 to 749 miles	19.6	14.4	16.6
	750 to 999 miles	10.5	12.7	12.6
	1,000 to 1,499 miles	23.0	39.7	39.0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	21.0	29.8	30.6
23	**Chemical products and preparations, n.e.c.**			
	Total	**6.5**	**6.7**	**5.5**
	Less than 50 miles	7.5	7.0	7.3
	50 to 99 miles	13.4	24.5	23.0
	100 to 249 miles	10.3	8.1	8.0
	250 to 499 miles	12.6	10.2	10.1
	500 to 749 miles	5.0	7.2	7.3
	750 to 999 miles	8.2	12.3	12.5
	1,000 to 1,499 miles	7.6	8.5	9.1
	1,500 to 1,999 miles	6.8	7.7	8.0
	2,000 miles or more	14.9	11.0	10.3
24	**Plastics and rubber**			
	Total	**3.4**	**5.6**	**6.3**
	Less than 50 miles	6.5	10.2	10.3
	50 to 99 miles	7.4	8.5	8.1
	100 to 249 miles	4.0	10.2	10.0
	250 to 499 miles	4.6	7.9	8.1
	500 to 749 miles	5.8	7.0	7.5
	750 to 999 miles	8.5	12.6	13.9
	1,000 to 1,499 miles	7.7	11.5	12.2
	1,500 to 1,999 miles	6.4	8.2	9.1
	2,000 miles or more	6.5	10.3	10.4
25	**Logs and other wood in the rough**			
	Total	**17.0**	**25.1**	**20.2**
	Less than 50 miles	29.9	37.7	35.8
	50 to 99 miles	20.2	30.0	26.6
	100 to 249 miles	22.6	28.8	31.2
	250 to 499 miles	19.0	34.7	28.9
	500 to 749 miles	23.9	24.2	24.4
	750 to 999 miles	29.4	35.9	32.5
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	37.4	35.8
26	**Wood products**			
	Total	**2.6**	**7.2**	**6.9**
	Less than 50 miles	4.7	12.4	15.9
	50 to 99 miles	3.5	9.7	10.6
	100 to 249 miles	4.0	8.9	9.6
	250 to 499 miles	5.1	9.9	12.2
	500 to 749 miles	4.7	9.4	9.1
	750 to 999 miles	3.8	6.3	6.1
	1,000 to 1,499 miles	5.9	6.7	6.4
	1,500 to 1,999 miles	8.8	16.0	16.0
	2,000 miles or more	14.4	16.9	17.3
27	**Pulp, newsprint, paper, and paperboard**			
	Total	**3.2**	**4.5**	**3.8**
	Less than 50 miles	6.2	6.6	7.9
	50 to 99 miles	9.4	10.8	11.6
	100 to 249 miles	8.1	11.0	10.8
	250 to 499 miles	3.7	5.3	5.3
	500 to 749 miles	6.6	7.1	7.5
	750 to 999 miles	4.5	4.3	4.5
	1,000 to 1,499 miles	6.5	4.3	4.6
	1,500 to 1,999 miles	7.8	9.1	9.4
	2,000 miles or more	10.4	14.0	14.5
28	**Paper or paperboard articles**			
	Total	**2.5**	**3.5**	**3.6**
	Less than 50 miles	3.3	6.8	7.3
	50 to 99 miles	3.8	4.0	3.7
	100 to 249 miles	6.0	5.6	6.5
	250 to 499 miles	6.6	4.0	4.3
	500 to 749 miles	5.6	7.1	7.2
	750 to 999 miles	6.6	8.6	8.6
	1,000 to 1,499 miles	8.8	9.2	9.2
	1,500 to 1,999 miles	13.4	15.0	15.4
	2,000 miles or more	13.9	15.4	15.3

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
29	**Printed products**			
	Total	**4.3**	**8.0**	**9.2**
	Less than 50 miles	5.7	12.7	18.1
	50 to 99 miles	7.2	8.8	9.5
	100 to 249 miles	7.7	13.1	12.0
	250 to 499 miles	8.8	8.1	8.0
	500 to 749 miles	11.3	14.3	13.2
	750 to 999 miles	7.3	11.2	11.1
	1,000 to 1,499 miles	4.8	8.5	8.1
	1,500 to 1,999 miles	15.7	18.2	18.9
	2,000 miles or more	14.2	20.9	21.0
30	**Textiles, leather, and articles of textiles or leather**			
	Total	**8.8**	**8.0**	**11.0**
	Less than 50 miles	10.8	14.7	15.4
	50 to 99 miles	28.7	12.0	12.1
	100 to 249 miles	16.9	14.3	14.4
	250 to 499 miles	18.8	18.5	17.7
	500 to 749 miles	5.6	23.2	23.8
	750 to 999 miles	5.1	5.4	5.5
	1,000 to 1,499 miles	4.8	9.4	9.2
	1,500 to 1,999 miles	9.3	17.6	18.4
	2,000 miles or more	9.3	20.0	20.7
31	**Nonmetallic mineral products**			
	Total	**2.2**	**3.5**	**2.5**
	Less than 50 miles	4.1	4.7	4.6
	50 to 99 miles	2.5	5.7	5.8
	100 to 249 miles	5.8	6.2	6.3
	250 to 499 miles	9.8	6.5	6.6
	500 to 749 miles	10.5	4.8	5.3
	750 to 999 miles	8.7	6.2	6.1
	1,000 to 1,499 miles	11.5	11.8	12.9
	1,500 to 1,999 miles	17.9	10.1	10.3
	2,000 miles or more	12.2	9.0	8.5
32	**Base metal in primary or semifinished forms and in finished basic shapes**			
	Total	**2.2**	**3.1**	**2.8**
	Less than 50 miles	3.7	5.9	6.3
	50 to 99 miles	4.0	3.7	3.7
	100 to 249 miles	5.1	6.0	6.2
	250 to 499 miles	3.5	6.2	6.6
	500 to 749 miles	4.6	6.4	6.9
	750 to 999 miles	6.0	11.1	11.7
	1,000 to 1,499 miles	6.2	9.4	10.2
	1,500 to 1,999 miles	6.4	12.1	12.9
	2,000 miles or more	13.3	25.9	25.3
33	**Articles of base metal**			
	Total	**2.5**	**3.1**	**2.9**
	Less than 50 miles	3.1	5.4	7.5
	50 to 99 miles	2.7	5.4	5.4
	100 to 249 miles	3.0	5.6	5.7
	250 to 499 miles	5.0	3.8	4.0
	500 to 749 miles	6.6	7.1	7.5
	750 to 999 miles	5.2	7.7	7.5
	1,000 to 1,499 miles	7.0	7.3	7.1
	1,500 to 1,999 miles	6.8	8.8	8.7
	2,000 miles or more	5.8	10.6	10.4
34	**Machinery**			
	Total	**2.8**	**9.5**	**6.0**
	Less than 50 miles	3.5	24.6	18.1
	50 to 99 miles	5.7	7.9	8.4
	100 to 249 miles	3.6	6.1	6.9
	250 to 499 miles	6.3	6.5	6.7
	500 to 749 miles	5.7	8.0	8.2
	750 to 999 miles	4.9	8.2	8.7
	1,000 to 1,499 miles	6.2	10.8	11.7
	1,500 to 1,999 miles	7.1	17.5	18.3
	2,000 miles or more	7.4	12.5	12.3
35	**Electronic and other electrical equipment and components and office equipment**			
	Total	**3.4**	**3.8**	**4.0**
	Less than 50 miles	5.4	9.2	11.2
	50 to 99 miles	4.9	13.9	12.2
	100 to 249 miles	3.8	6.8	5.4
	250 to 499 miles	5.6	10.2	7.6
	500 to 749 miles	7.2	7.8	8.2
	750 to 999 miles	6.8	7.5	7.8
	1,000 to 1,499 miles	8.3	9.2	9.5
	1,500 to 1,999 miles	9.6	8.3	8.4
	2,000 miles or more	4.9	8.0	8.4

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
36	**Motorized and other vehicles (including parts)**			
	Total	**2.4**	**4.5**	**7.9**
	Less than 50 miles	3.8	8.7	9.7
	50 to 99 miles	6.2	12.3	10.0
	100 to 249 miles	6.0	7.0	8.2
	250 to 499 miles	2.4	5.3	4.8
	500 to 749 miles	9.0	24.8	21.6
	750 to 999 miles	11.7	7.7	7.6
	1,000 to 1,499 miles	8.1	8.1	7.9
	1,500 to 1,999 miles	17.6	11.7	12.3
	2,000 miles or more	18.2	44.2	41.9
37	**Transportation equipment, n.e.c.**			
	Total	**6.4**	**9.3**	**11.6**
	Less than 50 miles	13.2	17.6	27.2
	50 to 99 miles	24.5	16.8	15.0
	100 to 249 miles	27.0	25.0	22.8
	250 to 499 miles	11.3	13.7	14.1
	500 to 749 miles	16.0	22.8	21.9
	750 to 999 miles	13.5	18.2	17.6
	1,000 to 1,499 miles	12.7	26.6	29.3
	1,500 to 1,999 miles	36.5	8.0	8.2
	2,000 miles or more	35.9	24.7	24.5
38	**Precision instruments and apparatus**			
	Total	**3.1**	**18.6**	**8.7**
	Less than 50 miles	3.5	45.8	30.6
	50 to 99 miles	6.1	19.9	21.6
	100 to 249 miles	6.2	14.3	13.2
	250 to 499 miles	5.3	12.7	11.8
	500 to 749 miles	7.7	31.7	25.2
	750 to 999 miles	7.7	15.4	16.9
	1,000 to 1,499 miles	10.5	17.9	18.4
	1,500 to 1,999 miles	6.8	28.8	28.5
	2,000 miles or more	6.6	14.5	14.8
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**			
	Total	**10.8**	**12.1**	**6.7**
	Less than 50 miles	11.5	13.6	12.8
	50 to 99 miles	13.6	13.7	13.3
	100 to 249 miles	31.5	33.2	35.5
	250 to 499 miles	12.6	10.4	9.6
	500 to 749 miles	7.7	11.4	11.2
	750 to 999 miles	11.4	13.4	12.8
	1,000 to 1,499 miles	12.3	10.5	10.4
	1,500 to 1,999 miles	7.1	8.6	8.1
	2,000 miles or more	15.9	12.0	12.1
40	**Miscellaneous manufactured products**			
	Total	**3.7**	**10.9**	**6.0**
	Less than 50 miles	8.2	27.8	25.5
	50 to 99 miles	12.0	9.8	8.9
	100 to 249 miles	4.6	8.3	9.6
	250 to 499 miles	5.5	9.1	9.0
	500 to 749 miles	5.5	15.7	15.3
	750 to 999 miles	5.2	10.9	11.0
	1,000 to 1,499 miles	6.8	6.3	6.8
	1,500 to 1,999 miles	10.4	9.9	10.0
	2,000 miles or more	11.2	9.1	8.9
41	**Waste and scrap**			
	Total	**9.2**	**8.1**	**17.5**
	Less than 50 miles	18.2	12.3	16.0
	50 to 99 miles	9.6	9.1	10.1
	100 to 249 miles	7.6	8.1	9.0
	250 to 499 miles	9.1	11.7	11.6
	500 to 749 miles	13.0	13.7	15.0
	750 to 999 miles	23.4	46.1	46.8
	1,000 to 1,499 miles	19.9	S	S
	1,500 to 1,999 miles	23.6	34.9	34.1
	2,000 miles or more	23.9	45.4	41.6
43	**Mixed freight**			
	Total	**3.4**	**3.3**	**4.7**
	Less than 50 miles	2.9	3.8	5.0
	50 to 99 miles	6.1	5.8	5.9
	100 to 249 miles	5.7	5.9	6.8
	250 to 499 miles	8.6	8.5	8.5
	500 to 749 miles	10.7	7.9	8.7
	750 to 999 miles	6.2	7.7	7.9
	1,000 to 1,499 miles	6.2	7.2	7.6
	1,500 to 1,999 miles	9.5	9.1	8.8
	2,000 miles or more	11.8	15.8	16.1

See footnotes at end of table.

Table B-8.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[1]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number
99	**Commodity unknown**			
	Total	**37.9**	**33.0**	**28.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	46.6	40.8	36.2
	100 to 249 miles	6.8	7.2	22.1
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0

S Withheld because estimate did not meet publication standards.

[1] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

[3] Estimates exclude shipments of crude petroleum (SCTG 16).

[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
	All commodities[2]				
	Total	**1.1**	**1.8**	**3.7**	**3.4**
	Less than 50 lbs.	1.5	4.0	4.0	3.4
	50 to 99 lbs.	2.8	2.3	2.7	2.4
	100 to 499 lbs.	1.7	1.7	2.5	2.3
	500 to 749 lbs.	2.3	1.7	2.1	1.9
	750 to 999 lbs.	3.5	2.3	2.6	1.9
	1,000 to 9,999 lbs.	1.7	2.3	2.0	1.8
	10,000 to 49,999 lbs.	1.3	1.6	1.9	1.7
	50,000 to 99,999 lbs.	4.3	2.9	3.3	2.5
	100,000 lbs. or more	4.4	4.5	6.1	3.1
01	**Live animals and live fish**				
	Total	**24.6**	**24.7**	**22.2**	**19.2**
	Less than 50 lbs.	24.2	18.3	37.5	18.9
	50 to 99 lbs.	36.7	44.3	S	43.8
	100 to 499 lbs.	40.6	34.4	S	33.2
	500 to 749 lbs.	45.6	45.8	S	43.3
	750 to 999 lbs.	44.9	47.6	S	S
	1,000 to 9,999 lbs.	S	S	S	42.6
	10,000 to 49,999 lbs.	34.9	33.3	28.6	13.2
	50,000 to 99,999 lbs.	12.0	12.8	19.5	13.0
	100,000 lbs. or more	17.3	17.4	32.7	25.2
02	**Cereal grains (includes seed)**				
	Total	**9.7**	**10.3**	**20.9**	**13.0**
	Less than 50 lbs.	35.9	23.0	31.8	20.6
	50 to 99 lbs.	48.0	S	S	24.6
	100 to 499 lbs.	14.5	16.7	35.3	39.7
	500 to 749 lbs.	33.0	20.2	33.6	32.6
	750 to 999 lbs.	28.3	30.8	S	23.8
	1,000 to 9,999 lbs.	17.0	16.8	25.9	21.6
	10,000 to 49,999 lbs.	19.8	12.5	14.9	19.6
	50,000 to 99,999 lbs.	9.1	9.6	15.9	6.9
	100,000 lbs. or more	14.9	15.2	22.6	13.5
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**				
	Total	**5.4**	**4.9**	**10.6**	**15.9**
	Less than 50 lbs.	18.5	9.8	20.4	13.0
	50 to 99 lbs.	12.6	13.6	25.4	25.0
	100 to 499 lbs.	7.4	9.7	13.4	15.7
	500 to 749 lbs.	11.5	11.2	11.7	13.9
	750 to 999 lbs.	9.0	11.3	17.3	15.7
	1,000 to 9,999 lbs.	6.7	7.0	12.3	13.8
	10,000 to 49,999 lbs.	10.8	7.6	12.2	7.1
	50,000 to 99,999 lbs.	7.8	8.1	11.2	6.8
	100,000 lbs. or more	11.7	10.5	15.3	15.3
04	**Animal feed, eggs, honey, and other products of animal origin**				
	Total	**5.9**	**6.5**	**6.1**	**18.0**
	Less than 50 lbs.	30.3	42.3	48.2	11.9
	50 to 99 lbs.	25.2	24.7	S	20.1
	100 to 499 lbs.	23.0	19.1	39.7	22.6
	500 to 749 lbs.	12.8	18.0	21.2	23.2
	750 to 999 lbs.	11.6	13.1	15.1	33.7
	1,000 to 9,999 lbs.	8.6	8.5	10.8	8.4
	10,000 to 49,999 lbs.	8.5	9.0	11.6	7.4
	50,000 to 99,999 lbs.	11.0	10.6	8.0	10.4
	100,000 lbs. or more	7.6	9.1	10.6	4.4
05	**Meat, poultry, fish, seafood, and their preparations**				
	Total	**3.3**	**3.3**	**4.1**	**8.8**
	Less than 50 lbs.	15.2	11.9	37.3	25.0
	50 to 99 lbs.	20.5	14.6	26.5	12.6
	100 to 499 lbs.	12.8	8.5	12.4	9.2
	500 to 749 lbs.	9.3	7.0	6.2	6.7
	750 to 999 lbs.	12.6	9.1	12.9	9.7
	1,000 to 9,999 lbs.	5.6	6.1	10.1	11.1
	10,000 to 49,999 lbs.	2.7	3.5	3.1	2.7
	50,000 to 99,999 lbs.	9.9	10.0	19.2	13.7
	100,000 lbs. or more	22.1	26.1	24.6	29.9
06	**Milled grain products and preparations and bakery products**				
	Total	**5.2**	**6.8**	**9.6**	**25.3**
	Less than 50 lbs.	26.4	24.2	27.5	S
	50 to 99 lbs.	18.9	17.3	13.2	40.9
	100 to 499 lbs.	10.3	13.2	7.4	18.4
	500 to 749 lbs.	12.3	14.5	13.0	14.3
	750 to 999 lbs.	11.3	10.7	14.4	13.2
	1,000 to 9,999 lbs.	6.7	9.8	8.8	4.5
	10,000 to 49,999 lbs.	6.0	5.5	8.0	3.6
	50,000 to 99,999 lbs.	19.8	25.4	19.8	23.0
	100,000 lbs. or more	21.7	27.1	23.5	5.6

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
07-R[3]	**Other prepared foodstuffs and fats and oils**				
	Total	**3.6**	**3.5**	**7.9**	**18.5**
	Less than 50 lbs.	21.3	15.4	41.9	11.6
	50 to 99 lbs.	12.6	10.9	14.6	13.5
	100 to 499 lbs.	9.6	12.3	10.8	12.1
	500 to 749 lbs.	5.7	7.2	8.0	10.3
	750 to 999 lbs.	6.1	8.2	10.1	5.6
	1,000 to 9,999 lbs.	2.9	4.4	6.6	6.2
	10,000 to 49,999 lbs.	4.4	3.4	9.1	6.3
	50,000 to 99,999 lbs.	6.9	10.3	9.8	6.7
	100,000 lbs. or more	7.6	6.8	8.7	5.4
08-R[4]	**Alcoholic beverages, and denatured alcohol**				
	Total	**1.6**	**2.9**	**4.3**	**20.3**
	Less than 50 lbs.	16.0	9.5	41.3	25.5
	50 to 99 lbs.	8.0	4.9	8.5	9.1
	100 to 499 lbs.	8.1	4.8	5.5	4.1
	500 to 749 lbs.	6.2	4.7	5.1	2.8
	750 to 999 lbs.	5.1	5.2	5.6	5.8
	1,000 to 9,999 lbs.	4.5	5.5	5.7	5.4
	10,000 to 49,999 lbs.	5.7	7.7	7.4	6.4
	50,000 to 99,999 lbs.	10.6	12.9	22.1	14.5
	100,000 lbs. or more	16.7	19.1	17.9	8.1
09	**Tobacco products**				
	Total	**15.0**	**13.1**	**15.6**	**19.7**
	Less than 50 lbs.	9.9	12.7	33.0	19.6
	50 to 99 lbs.	7.7	7.5	12.6	12.1
	100 to 499 lbs.	11.7	10.9	27.6	17.5
	500 to 749 lbs.	7.0	9.8	16.7	20.4
	750 to 999 lbs.	17.1	13.4	28.9	15.3
	1,000 to 9,999 lbs.	18.9	5.4	11.3	13.7
	10,000 to 49,999 lbs.	21.7	19.4	14.7	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
10	**Monumental or building stone**				
	Total	**17.0**	**11.3**	**10.4**	**11.7**
	Less than 50 lbs.	32.5	42.3	39.9	28.1
	50 to 99 lbs.	26.9	31.5	S	31.0
	100 to 499 lbs.	29.6	41.6	S	17.8
	500 to 749 lbs.	25.3	32.9	30.1	27.0
	750 to 999 lbs.	21.9	40.3	25.9	26.4
	1,000 to 9,999 lbs.	26.7	21.3	21.6	11.5
	10,000 to 49,999 lbs.	19.7	15.5	12.0	13.8
	50,000 to 99,999 lbs.	34.2	10.6	22.6	17.2
	100,000 lbs. or more	31.0	42.3	35.0	S
11	**Natural sands**				
	Total	**10.3**	**14.0**	**10.3**	**12.7**
	Less than 50 lbs.	31.5	37.3	41.3	S
	50 to 99 lbs.	29.4	28.0	37.4	33.6
	100 to 499 lbs.	25.7	21.6	40.5	28.4
	500 to 749 lbs.	35.4	17.1	32.1	43.5
	750 to 999 lbs.	28.8	18.0	31.8	36.5
	1,000 to 9,999 lbs.	S	9.1	19.6	14.6
	10,000 to 49,999 lbs.	15.0	22.3	15.8	15.1
	50,000 to 99,999 lbs.	13.1	16.1	15.0	7.1
	100,000 lbs. or more	13.3	12.8	13.8	8.4
12	**Gravel and crushed stone (excludes dolomite and slate)**				
	Total	**2.7**	**2.9**	**6.5**	**7.7**
	Less than 50 lbs.	35.2	35.9	45.7	41.1
	50 to 99 lbs.	37.7	34.2	S	S
	100 to 499 lbs.	31.9	20.0	33.7	S
	500 to 749 lbs.	S	19.3	S	38.4
	750 to 999 lbs.	25.6	25.5	45.4	32.1
	1,000 to 9,999 lbs.	20.3	6.0	45.9	S
	10,000 to 49,999 lbs.	3.3	2.9	6.6	6.1
	50,000 to 99,999 lbs.	5.4	5.5	8.4	5.8
	100,000 lbs. or more	8.7	8.9	9.8	8.2
13	**Other nonmetallic minerals, n.e.c.**				
	Total	**8.2**	**8.4**	**6.4**	**17.9**
	Less than 50 lbs.	24.2	42.9	S	18.4
	50 to 99 lbs.	27.0	19.0	42.6	40.3
	100 to 499 lbs.	17.8	23.0	22.7	S
	500 to 749 lbs.	43.2	22.1	20.3	S
	750 to 999 lbs.	S	42.4	S	S
	1,000 to 9,999 lbs.	37.2	18.8	15.7	12.7
	10,000 to 49,999 lbs.	7.0	9.3	12.4	10.7
	50,000 to 99,999 lbs.	8.1	10.1	10.8	11.4
	100,000 lbs. or more	8.9	14.7	7.6	8.4

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
14	**Metallic ores and concentrates**				
	Total	**9.5**	**21.9**	**26.5**	**21.3**
	Less than 50 lbs.	S	28.7	39.1	29.0
	50 to 99 lbs.	S	39.2	50.0	45.0
	100 to 499 lbs.	28.4	30.2	42.7	S
	500 to 749 lbs.	32.5	29.7	36.4	35.9
	750 to 999 lbs.	S	43.3	S	35.6
	1,000 to 9,999 lbs.	18.3	24.4	22.4	42.4
	10,000 to 49,999 lbs.	13.3	23.7	18.9	10.1
	50,000 to 99,999 lbs.	23.6	27.4	26.1	15.1
	100,000 lbs. or more	16.2	24.1	28.1	19.5
15	**Coal**				
	Total	**5.5**	**7.2**	**13.6**	**4.8**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	47.3
	500 to 749 lbs.	S	S	S	35.1
	750 to 999 lbs.	39.3	42.6	41.0	S
	1,000 to 9,999 lbs.	24.7	23.7	23.3	S
	10,000 to 49,999 lbs.	10.5	10.1	12.2	15.1
	50,000 to 99,999 lbs.	9.8	7.4	12.4	10.5
	100,000 lbs. or more	6.5	8.5	13.8	38.2
17-R[5]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**				
	Total	**4.3**	**4.2**	**9.5**	**10.2**
	Less than 50 lbs.	16.7	17.6	28.9	38.5
	50 to 99 lbs.	32.6	36.5	31.2	13.6
	100 to 499 lbs.	23.8	23.0	42.3	25.1
	500 to 749 lbs.	12.9	13.0	18.6	17.9
	750 to 999 lbs.	19.3	19.5	18.6	10.6
	1,000 to 9,999 lbs.	16.8	15.6	25.2	20.2
	10,000 to 49,999 lbs.	4.2	4.1	8.6	11.0
	50,000 to 99,999 lbs.	7.4	7.2	7.4	7.0
	100,000 lbs. or more	6.8	6.4	12.7	5.4
18-R[6]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**				
	Total	**7.7**	**9.7**	**27.2**	**8.9**
	Less than 50 lbs.	24.9	29.7	45.3	41.2
	50 to 99 lbs.	31.7	34.7	S	15.2
	100 to 499 lbs.	13.6	14.3	17.2	13.5
	500 to 749 lbs.	14.4	14.7	20.7	8.0
	750 to 999 lbs.	10.4	10.1	25.9	24.8
	1,000 to 9,999 lbs.	13.3	13.4	15.9	9.3
	10,000 to 49,999 lbs.	8.1	8.5	22.8	10.7
	50,000 to 99,999 lbs.	6.8	6.8	8.7	6.7
	100,000 lbs. or more	18.3	21.6	41.7	38.6
19	**Other coal and petroleum products, n.e.c.**				
	Total	**6.0**	**8.9**	**20.3**	**9.7**
	Less than 50 lbs.	10.6	10.0	21.9	20.6
	50 to 99 lbs.	17.3	11.4	31.9	16.8
	100 to 499 lbs.	12.1	10.0	23.9	17.3
	500 to 749 lbs.	14.0	9.9	16.0	12.1
	750 to 999 lbs.	16.2	12.2	20.0	9.4
	1,000 to 9,999 lbs.	14.9	14.8	16.7	6.7
	10,000 to 49,999 lbs.	8.1	12.5	21.8	14.0
	50,000 to 99,999 lbs.	16.5	16.3	28.3	14.9
	100,000 lbs. or more	10.6	15.6	21.1	8.9
20	**Basic chemicals**				
	Total	**5.2**	**3.4**	**5.3**	**18.0**
	Less than 50 lbs.	22.6	12.8	29.8	14.5
	50 to 99 lbs.	17.6	9.0	16.3	13.7
	100 to 499 lbs.	19.3	8.6	8.0	11.3
	500 to 749 lbs.	10.5	17.3	14.0	13.3
	750 to 999 lbs.	29.8	19.6	49.4	17.2
	1,000 to 9,999 lbs.	9.0	15.6	7.8	15.8
	10,000 to 49,999 lbs.	4.8	5.3	6.6	6.9
	50,000 to 99,999 lbs.	7.6	7.4	21.2	11.6
	100,000 lbs. or more	9.4	5.9	7.8	4.2
21	**Pharmaceutical products**				
	Total	**2.5**	**7.2**	**8.5**	**12.2**
	Less than 50 lbs.	4.5	14.6	8.6	12.4
	50 to 99 lbs.	12.0	13.5	12.5	8.0
	100 to 499 lbs.	8.4	9.5	13.9	9.1
	500 to 749 lbs.	14.8	10.2	16.0	17.4
	750 to 999 lbs.	19.7	27.6	20.7	27.0
	1,000 to 9,999 lbs.	9.5	9.3	11.9	11.6
	10,000 to 49,999 lbs.	9.3	9.4	17.3	9.8
	50,000 to 99,999 lbs.	34.2	29.2	43.2	S
	100,000 lbs. or more	31.2	23.2	39.0	24.5

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
22	**Fertilizers**				
	Total	**6.6**	**15.6**	**12.2**	**11.4**
	Less than 50 lbs.	27.6	24.9	S	23.1
	50 to 99 lbs.	22.0	23.6	S	29.7
	100 to 499 lbs.	25.0	21.5	25.6	29.8
	500 to 749 lbs.	24.8	23.8	34.4	38.3
	750 to 999 lbs.	22.3	23.1	S	26.9
	1,000 to 9,999 lbs.	13.4	15.2	19.7	S
	10,000 to 49,999 lbs.	7.3	7.9	10.1	7.7
	50,000 to 99,999 lbs.	14.4	16.3	13.3	9.5
	100,000 lbs. or more	16.0	30.9	16.8	14.2
23	**Chemical products and preparations, n.e.c.**				
	Total	**6.5**	**6.7**	**5.5**	**4.6**
	Less than 50 lbs.	16.5	10.3	13.3	4.5
	50 to 99 lbs.	17.8	9.2	15.3	6.7
	100 to 499 lbs.	13.2	7.2	9.0	4.9
	500 to 749 lbs.	8.0	8.2	7.9	9.8
	750 to 999 lbs.	11.4	9.9	8.7	8.6
	1,000 to 9,999 lbs.	6.4	17.4	6.9	9.3
	10,000 to 49,999 lbs.	8.2	7.6	7.8	4.7
	50,000 to 99,999 lbs.	9.9	14.9	23.0	15.9
	100,000 lbs. or more	12.6	11.5	13.8	4.6
24	**Plastics and rubber**				
	Total	**3.4**	**5.6**	**6.3**	**11.0**
	Less than 50 lbs.	5.4	6.9	14.5	10.3
	50 to 99 lbs.	6.3	6.9	8.8	7.4
	100 to 499 lbs.	5.1	3.9	3.3	2.5
	500 to 749 lbs.	6.9	4.7	7.9	6.7
	750 to 999 lbs.	6.5	4.7	4.9	4.8
	1,000 to 9,999 lbs.	5.1	3.4	5.0	5.5
	10,000 to 49,999 lbs.	5.6	6.6	4.3	4.1
	50,000 to 99,999 lbs.	11.8	15.8	13.4	14.1
	100,000 lbs. or more	12.6	13.0	15.5	4.7
25	**Logs and other wood in the rough**				
	Total	**17.0**	**25.1**	**20.2**	**29.4**
	Less than 50 lbs.	44.4	43.5	48.1	16.6
	50 to 99 lbs.	35.5	38.0	38.3	S
	100 to 499 lbs.	37.1	28.0	49.7	35.7
	500 to 749 lbs.	S	39.7	41.6	32.9
	750 to 999 lbs.	S	37.4	41.7	S
	1,000 to 9,999 lbs.	24.4	24.6	37.1	48.5
	10,000 to 49,999 lbs.	18.7	25.5	34.2	15.6
	50,000 to 99,999 lbs.	21.7	33.2	18.8	14.2
	100,000 lbs. or more	S	S	22.5	S
26	**Wood products**				
	Total	**2.6**	**7.2**	**6.9**	**6.1**
	Less than 50 lbs.	11.4	9.0	12.9	10.2
	50 to 99 lbs.	16.7	11.7	29.2	15.8
	100 to 499 lbs.	3.7	5.4	8.2	8.2
	500 to 749 lbs.	4.1	4.1	10.2	10.5
	750 to 999 lbs.	4.4	3.9	8.4	9.6
	1,000 to 9,999 lbs.	2.9	4.5	5.8	6.8
	10,000 to 49,999 lbs.	2.7	3.2	4.2	4.0
	50,000 to 99,999 lbs.	14.3	16.7	12.9	10.2
	100,000 lbs. or more	7.2	18.8	11.8	7.6
27	**Pulp, newsprint, paper, and paperboard**				
	Total	**3.2**	**4.5**	**3.8**	**13.8**
	Less than 50 lbs.	40.8	14.4	25.0	22.5
	50 to 99 lbs.	16.9	10.8	29.0	26.7
	100 to 499 lbs.	2.9	4.8	8.2	10.8
	500 to 749 lbs.	10.1	6.5	13.9	10.2
	750 to 999 lbs.	4.7	9.6	10.0	13.6
	1,000 to 9,999 lbs.	5.4	5.7	8.5	7.4
	10,000 to 49,999 lbs.	2.9	2.8	2.8	3.7
	50,000 to 99,999 lbs.	22.8	24.0	16.0	14.0
	100,000 lbs. or more	9.1	9.2	9.1	3.0
28	**Paper or paperboard articles**				
	Total	**2.5**	**3.5**	**3.6**	**11.0**
	Less than 50 lbs.	10.8	8.9	11.4	10.6
	50 to 99 lbs.	8.0	11.4	16.7	12.3
	100 to 499 lbs.	7.0	8.1	11.1	9.2
	500 to 749 lbs.	7.0	7.3	7.4	8.2
	750 to 999 lbs.	8.8	7.9	9.4	11.1
	1,000 to 9,999 lbs.	3.7	3.2	4.4	5.1
	10,000 to 49,999 lbs.	3.7	3.7	4.4	2.0
	50,000 to 99,999 lbs.	18.4	23.7	24.5	17.7
	100,000 lbs. or more	27.3	32.0	24.7	14.9

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
29	**Printed products**				
	Total	**4.3**	**8.0**	**9.2**	**17.1**
	Less than 50 lbs.	6.5	10.0	6.9	17.6
	50 to 99 lbs.	8.3	14.6	14.2	14.6
	100 to 499 lbs.	8.9	14.6	11.0	15.2
	500 to 749 lbs.	11.9	14.4	13.6	15.9
	750 to 999 lbs.	11.9	21.2	15.0	12.5
	1,000 to 9,999 lbs.	4.1	9.2	12.1	6.1
	10,000 to 49,999 lbs.	4.8	12.3	12.5	8.9
	50,000 to 99,999 lbs.	39.3	36.6	22.5	49.3
	100,000 lbs. or more	19.8	21.8	S	29.0
30	**Textiles, leather, and articles of textiles or leather**				
	Total	**8.8**	**8.0**	**11.0**	**2.3**
	Less than 50 lbs.	8.8	8.3	10.8	2.1
	50 to 99 lbs.	7.4	6.2	15.6	9.6
	100 to 499 lbs.	5.0	6.0	5.7	5.3
	500 to 749 lbs.	9.5	10.3	12.0	9.8
	750 to 999 lbs.	22.0	19.8	15.7	9.8
	1,000 to 9,999 lbs.	18.2	7.7	8.2	5.2
	10,000 to 49,999 lbs.	14.4	9.9	11.2	7.0
	50,000 to 99,999 lbs.	37.7	34.3	42.7	33.2
	100,000 lbs. or more	32.6	28.0	S	31.0
31	**Nonmetallic mineral products**				
	Total	**2.2**	**3.5**	**2.5**	**8.0**
	Less than 50 lbs.	11.6	12.9	17.5	4.9
	50 to 99 lbs.	10.5	8.4	21.4	11.1
	100 to 499 lbs.	10.9	10.4	26.3	15.6
	500 to 749 lbs.	22.0	7.0	32.4	24.7
	750 to 999 lbs.	7.9	5.5	8.5	6.6
	1,000 to 9,999 lbs.	7.2	4.1	6.0	8.5
	10,000 to 49,999 lbs.	4.1	3.7	3.9	4.6
	50,000 to 99,999 lbs.	4.9	6.4	6.7	5.2
	100,000 lbs. or more	7.9	8.2	8.5	9.2
32	**Base metal in primary or semifinished forms and in finished basic shapes**				
	Total	**2.2**	**3.1**	**2.8**	**6.0**
	Less than 50 lbs.	5.8	7.4	21.2	10.0
	50 to 99 lbs.	5.3	6.0	6.6	6.0
	100 to 499 lbs.	5.0	5.5	8.0	5.9
	500 to 749 lbs.	7.1	6.2	6.8	6.4
	750 to 999 lbs.	5.8	6.3	9.8	5.7
	1,000 to 9,999 lbs.	4.1	5.4	6.1	3.5
	10,000 to 49,999 lbs.	3.0	4.0	4.2	2.3
	50,000 to 99,999 lbs.	5.9	6.5	4.4	6.7
	100,000 lbs. or more	6.8	5.4	7.1	6.5
33	**Articles of base metal**				
	Total	**2.5**	**3.1**	**2.9**	**4.4**
	Less than 50 lbs.	3.7	3.6	5.6	4.9
	50 to 99 lbs.	5.1	3.2	6.3	5.5
	100 to 499 lbs.	3.8	3.0	6.3	5.7
	500 to 749 lbs.	5.7	7.1	8.1	4.6
	750 to 999 lbs.	8.1	6.8	7.9	6.6
	1,000 to 9,999 lbs.	2.7	3.8	4.2	3.5
	10,000 to 49,999 lbs.	4.2	4.9	4.4	2.2
	50,000 to 99,999 lbs.	12.2	11.2	16.0	14.6
	100,000 lbs. or more	9.4	6.3	11.9	6.2
34	**Machinery**				
	Total	**2.8**	**9.5**	**6.0**	**4.7**
	Less than 50 lbs.	3.5	5.1	8.0	5.3
	50 to 99 lbs.	4.1	3.7	6.1	3.4
	100 to 499 lbs.	2.6	4.0	9.0	6.5
	500 to 749 lbs.	7.1	5.4	9.4	7.0
	750 to 999 lbs.	4.2	5.0	8.1	6.4
	1,000 to 9,999 lbs.	3.3	3.6	7.6	5.9
	10,000 to 49,999 lbs.	3.9	14.3	4.5	8.3
	50,000 to 99,999 lbs.	11.4	18.7	26.6	18.2
	100,000 lbs. or more	21.9	23.8	36.7	11.4
35	**Electronic and other electrical equipment and components and office equipment**				
	Total	**3.4**	**3.8**	**4.0**	**4.8**
	Less than 50 lbs.	3.8	3.5	6.1	4.6
	50 to 99 lbs.	5.8	3.2	9.2	7.8
	100 to 499 lbs.	4.0	4.0	6.5	6.9
	500 to 749 lbs.	10.0	7.1	12.5	11.5
	750 to 999 lbs.	12.7	8.0	8.3	7.4
	1,000 to 9,999 lbs.	3.7	6.4	5.0	4.2
	10,000 to 49,999 lbs.	7.0	7.1	5.2	4.6
	50,000 to 99,999 lbs.	16.8	21.1	31.0	25.4
	100,000 lbs. or more	32.0	30.4	26.8	22.3

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
36	**Motorized and other vehicles (including parts)**				
	Total	**2.4**	**4.5**	**7.9**	**8.9**
	Less than 50 lbs.	5.3	17.9	14.3	9.5
	50 to 99 lbs.	5.4	10.1	12.0	9.6
	100 to 499 lbs.	4.4	5.4	13.3	11.5
	500 to 749 lbs.	7.9	8.7	14.4	8.6
	750 to 999 lbs.	17.6	10.9	11.4	14.0
	1,000 to 9,999 lbs.	8.8	6.6	11.2	5.1
	10,000 to 49,999 lbs.	7.3	8.0	12.1	7.0
	50,000 to 99,999 lbs.	8.7	11.6	23.8	13.2
	100,000 lbs. or more	24.4	24.9	44.9	14.7
37	**Transportation equipment, n.e.c.**				
	Total	**6.4**	**9.3**	**11.6**	**4.9**
	Less than 50 lbs.	6.8	11.0	6.4	5.0
	50 to 99 lbs.	15.1	14.7	11.5	12.3
	100 to 499 lbs.	10.4	13.5	9.5	8.4
	500 to 749 lbs.	27.6	11.5	11.2	8.8
	750 to 999 lbs.	12.6	23.3	23.1	7.6
	1,000 to 9,999 lbs.	19.2	29.7	28.3	11.6
	10,000 to 49,999 lbs.	21.9	21.4	14.3	9.5
	50,000 to 99,999 lbs.	S	31.8	36.5	17.2
	100,000 lbs. or more	24.4	9.2	15.1	9.3
38	**Precision instruments and apparatus**				
	Total	**3.1**	**18.6**	**8.7**	**3.0**
	Less than 50 lbs.	4.1	8.8	9.6	2.9
	50 to 99 lbs.	9.4	11.0	15.8	5.6
	100 to 499 lbs.	6.1	11.3	15.7	6.6
	500 to 749 lbs.	14.5	8.3	20.7	14.2
	750 to 999 lbs.	9.1	13.9	19.6	14.2
	1,000 to 9,999 lbs.	5.7	9.2	13.8	7.7
	10,000 to 49,999 lbs.	16.9	15.4	21.0	5.8
	50,000 to 99,999 lbs.	37.3	23.5	37.7	26.8
	100,000 lbs. or more	S	S	S	21.7
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**				
	Total	**10.8**	**12.1**	**6.7**	**7.8**
	Less than 50 lbs.	16.6	23.8	29.1	6.1
	50 to 99 lbs.	9.3	12.9	9.7	7.3
	100 to 499 lbs.	11.7	16.8	6.8	10.6
	500 to 749 lbs.	13.1	17.9	10.4	12.6
	750 to 999 lbs.	10.2	16.5	15.7	10.1
	1,000 to 9,999 lbs.	18.3	22.7	12.5	4.8
	10,000 to 49,999 lbs.	15.3	11.6	13.8	5.4
	50,000 to 99,999 lbs.	S	24.1	32.9	31.2
	100,000 lbs. or more	24.2	38.0	S	S
40	**Miscellaneous manufactured products**				
	Total	**3.7**	**10.9**	**6.0**	**3.3**
	Less than 50 lbs.	5.1	5.9	8.5	3.3
	50 to 99 lbs.	7.8	8.3	11.8	6.1
	100 to 499 lbs.	5.4	5.6	7.0	5.9
	500 to 749 lbs.	11.9	7.5	12.2	6.0
	750 to 999 lbs.	7.8	17.6	16.6	7.3
	1,000 to 9,999 lbs.	2.2	7.2	4.9	6.4
	10,000 to 49,999 lbs.	9.2	12.9	11.4	11.5
	50,000 to 99,999 lbs.	34.2	46.4	15.7	39.6
	100,000 lbs. or more	24.4	29.3	28.3	15.6
41	**Waste and scrap**				
	Total	**9.2**	**8.1**	**17.5**	**9.2**
	Less than 50 lbs.	36.4	S	S	38.2
	50 to 99 lbs.	S	36.5	44.4	32.0
	100 to 499 lbs.	S	22.9	S	31.3
	500 to 749 lbs.	S	22.6	32.8	S
	750 to 999 lbs.	S	27.3	35.4	S
	1,000 to 9,999 lbs.	10.2	14.6	16.2	20.9
	10,000 to 49,999 lbs.	12.5	7.9	14.8	11.0
	50,000 to 99,999 lbs.	21.0	12.1	20.5	15.0
	100,000 lbs. or more	12.2	14.7	27.3	11.7
43	**Mixed freight**				
	Total	**3.4**	**3.3**	**4.7**	**9.5**
	Less than 50 lbs.	7.0	9.6	13.1	9.9
	50 to 99 lbs.	7.8	8.8	6.1	5.7
	100 to 499 lbs.	4.3	7.6	6.2	4.8
	500 to 749 lbs.	4.6	5.0	5.8	4.4
	750 to 999 lbs.	8.3	5.0	7.2	4.0
	1,000 to 9,999 lbs.	3.6	4.8	4.0	3.3
	10,000 to 49,999 lbs.	6.2	5.3	6.9	2.8
	50,000 to 99,999 lbs.	24.4	31.7	21.0	S
	100,000 lbs. or more	39.3	32.5	36.6	36.9

See footnotes at end of table.

Table B-9.

Estimated Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
99	**Commodity unknown**				
	Total	**37.9**	**33.0**	**28.0**	**19.4**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	38.2	33.0	28.0	18.5

S Withheld because estimate did not meet publication standards.

Z Rounds to zero.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

[2] Estimates exclude shipments of crude petroleum (SCTG 16).

[3] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[4] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[5] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[6] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-10a.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
	Total	**1.1**	**1.8**	**3.7**	**3.4**
212	Mining (except oil and gas)	3.1	2.6	9.7	3.0
31–33	Manufacturing	0.7	1.6	1.1	2.0
311	Food manufacturing	2.4	4.3	4.6	10.8
312	Beverage and tobacco product manufacturing	7.0	2.7	4.3	14.4
313	Textile mills	4.9	4.4	6.0	3.8
314	Textile product mills	9.1	18.9	19.1	4.7
315	Apparel manufacturing	18.1	17.1	36.7	4.5
316	Leather and allied product manufacturing	5.6	10.2	13.1	3.8
321	Wood product manufacturing	5.3	10.3	5.8	4.8
322	Paper manufacturing	2.4	4.4	3.9	5.7
323	Printing and related support activities	2.5	7.5	10.0	5.8
324	Petroleum and coal products manufacturing	4.3	4.1	10.2	10.9
325	Chemical manufacturing	2.1	3.8	5.6	3.7
326	Plastics and rubber products manufacturing	2.6	4.9	3.8	4.3
327	Nonmetallic mineral product manufacturing	2.2	2.6	4.9	5.9
331	Primary metal manufacturing	1.8	6.9	3.8	7.5
332	Fabricated metal product manufacturing	2.1	4.4	4.2	3.9
333	Machinery manufacturing	2.8	4.7	5.1	2.0
334	Computer and electronic product manufacturing	4.1	14.5	9.1	2.4
335	Electrical equipment, appliance, and component manufacturing	3.7	6.3	5.7	1.6
336	Transportation equipment manufacturing	3.8	6.0	5.9	4.1
337	Furniture and related product manufacturing	3.6	3.5	5.7	4.4
339	Miscellaneous manufacturing	2.6	14.7	10.2	2.5
42	Wholesale trade	1.5	3.6	5.1	2.9
423	Merchant wholesalers, durable goods	1.2	7.1	8.2	4.1
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4.1	6.8	15.2	8.3
4232	Furniture and home furnishing merchant wholesalers	4.7	15.0	27.4	6.0
4233	Lumber and other construction materials merchant wholesalers	3.0	16.7	15.1	8.6
4234	Professional and commercial equipment and supplies merchant wholesalers	2.1	6.6	9.8	6.0
4235	Metal and mineral (except petroleum) merchant wholesalers	3.5	7.1	24.3	7.9
4236	Electrical and electronic goods merchant wholesalers	4.8	6.9	5.6	6.3
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	3.4	2.6	7.4	7.1
4238	Machinery, equipment, and supplies merchant wholesalers	2.0	8.9	6.9	5.6
4239	Miscellaneous durable goods merchant wholesalers	4.6	8.1	6.8	5.1
424	Merchant wholesalers, nondurable goods	2.1	3.8	7.7	5.4
4241	Paper and paper product merchant wholesalers	3.3	4.6	10.4	10.1
4242	Drugs and druggists' sundries merchant wholesalers	5.4	9.2	16.0	6.7
4243	Apparel, piece goods, and notions merchant wholesalers	6.5	14.9	19.3	6.5
4244	Grocery and related product merchant wholesalers	2.3	5.2	5.2	9.5
4245	Farm product raw material merchant wholesalers	5.8	7.6	14.3	22.1
4246	Chemical and allied products merchant wholesalers	7.5	8.7	14.2	10.9
4247	Petroleum and petroleum products merchant wholesalers	3.5	5.6	15.7	8.6
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	3.5	4.4	7.7	8.1
4249	Miscellaneous nondurable goods merchant wholesalers	3.5	12.1	11.3	6.7
4541	Electronic shopping and mail-order houses	5.1	12.6	7.7	2.4
45431	Fuel dealers	2.5	2.5	7.1	1.8
4931[3]	Warehousing and storage	3.5	7.8	4.3	4.5
5111	Newspaper, periodical, book, and directory publishers	7.1	15.9	22.3	S
551114	Corporate, subsidiary, and regional managing offices	11.2	14.8	40.6	7.7

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

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Table B-10b.

Estimated Measures of Reliability for Shipment Characteristics by NAICS[1] for the United States: 2012 and 2007

[Estimates are based on data from the 2012 and 2007 Commodity Flow Survey]

NAICS code	NAICS title	Value			Tons		
		Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change
		2012	2007		2012	2007	
	Total	**1.1**	**0.8**	**1.6**	**1.8**	**1.6**	**2.2**
212	Mining (except oil and gas)	3.1	4.8	6.6	2.6	4.0	3.8
31–33	Manufacturing	0.7	1.0	1.3	1.6	1.5	1.9
311	Food manufacturing	2.4	1.9	3.8	4.3	3.6	5.4
312	Beverage and tobacco product manufacturing	7.0	4.9	9.4	2.7	4.8	6.2
313	Textile mills	4.9	5.4	6.2	4.4	4.7	5.1
314	Textile product mills	9.1	5.3	8.0	18.9	9.6	15.4
315	Apparel manufacturing	18.1	10.6	10.7	17.1	20.6	9.4
316	Leather and allied product manufacturing	5.6	10.0	10.3	10.2	21.7	25.9
321	Wood product manufacturing	5.3	4.8	5.4	10.3	4.6	10.9
322	Paper manufacturing	2.4	1.9	3.2	4.4	2.3	4.6
323	Printing and related support activities	2.5	2.9	3.1	7.5	6.0	6.1
324	Petroleum and coal products manufacturing	4.3	4.3	8.4	4.1	5.4	5.8
325	Chemical manufacturing	2.1	2.7	3.8	3.8	5.2	6.6
326	Plastics and rubber products manufacturing	2.6	1.6	3.2	4.9	2.7	5.0
327	Nonmetallic mineral product manufacturing	2.2	5.1	4.4	2.6	4.1	3.2
331	Primary metal manufacturing	1.8	2.3	3.1	6.9	4.1	7.5
332	Fabricated metal product manufacturing	2.1	1.8	2.7	4.4	4.4	5.1
333	Machinery manufacturing	2.8	2.9	4.7	4.7	5.1	6.4
334	Computer and electronic product manufacturing	4.1	5.6	5.9	14.5	8.8	14.3
335	Electrical equipment, appliance, and component manufacturing	3.7	4.1	5.2	6.3	4.9	7.1
336	Transportation equipment manufacturing	3.8	4.1	6.1	6.0	4.4	6.4
337	Furniture and related product manufacturing	3.6	3.1	3.8	3.5	6.6	5.9
339	Miscellaneous manufacturing	2.6	2.9	4.0	14.7	11.7	14.8
42	Wholesale trade	1.5	1.2	2.5	3.6	2.3	4.5
423	Merchant wholesalers, durable goods	1.2	1.7	2.4	7.1	5.9	6.6
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4.1	7.3	9.0	6.8	17.4	15.4
4232	Furniture and home furnishing merchant wholesalers	4.7	5.6	6.5	15.0	8.0	12.0
4233	Lumber and other construction materials merchant wholesalers	3.0	3.4	3.4	16.7	7.4	12.1
4234	Professional and commercial equipment and supplies merchant wholesalers	2.1	3.5	4.5	6.6	9.2	11.6
4235	Metal and mineral (except petroleum) merchant wholesalers	3.5	3.5	5.2	7.1	10.7	10.7
4236	Electrical and electronic goods merchant wholesalers	4.8	3.9	8.2	6.9	8.4	11.6
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	3.4	2.4	4.4	2.6	11.1	7.4
4238	Machinery, equipment, and supplies merchant wholesalers	2.0	2.5	3.8	8.9	13.1	13.7
4239	Miscellaneous durable goods merchant wholesalers	4.6	3.6	6.5	8.1	14.6	10.7
424	Merchant wholesalers, nondurable goods	2.1	1.5	3.7	3.8	2.5	5.7
4241	Paper and paper product merchant wholesalers	3.3	4.5	5.3	4.6	11.5	9.5
4242	Drugs and druggists' sundries merchant wholesalers	5.4	6.3	10.9	9.2	17.2	10.7
4243	Apparel, piece goods, and notions merchant wholesalers	6.5	6.6	9.5	14.9	12.9	19.8
4244	Grocery and related product merchant wholesalers	2.3	1.5	3.1	5.2	2.8	6.2
4245	Farm product raw material merchant wholesalers	5.8	5.6	13.4	7.6	5.2	9.5
4246	Chemical and allied products merchant wholesalers	7.5	5.3	11.8	8.7	16.1	16.0
4247	Petroleum and petroleum products merchant wholesalers	3.5	4.2	11.8	5.6	4.3	11.7
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	3.5	3.8	6.2	4.4	4.1	6.0
4249	Miscellaneous nondurable goods merchant wholesalers	3.5	4.1	6.9	12.1	8.6	16.4
4541	Electronic shopping and mail-order houses	5.1	6.8	12.5	12.6	7.2	23.9
45431	Fuel dealers	2.5	5.4	5.6	2.5	5.8	4.7
4931[3]	Warehousing and storage	3.5	6.5	9.9	7.8	5.9	15.3
5111	Newspaper, periodical, book, and directory publishers	7.1	6.2	12.2	15.9	7.8	17.3
551114	Corporate, subsidiary, and regional managing offices	11.2	7.6	10.8	14.8	8.3	7.3

See notes at end of table.

Table B-10b.

Estimated Measures of Reliability for Shipment Characteristics by NAICS[1] for the United States: 2012 and 2007—Con.

[Estimates are based on data from the 2012 and 2007 Commodity Flow Survey]

Ton-miles[2]			Average miles per shipment			NAICS title	NAICS code
Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change		
2012	2007		2012	2007			
3.7	**3.6**	**4.5**	**3.4**	**2.5**	**4.3**	**Total**	
9.7	9.1	10.8	3.0	4.4	4.8	Mining (except oil and gas)	212
1.1	1.9	2.1	2.0	2.1	2.8	Manufacturing	31–33
4.6	3.6	5.8	10.8	10.0	11.5	Food manufacturing	311
4.3	6.4	9.0	14.4	18.2	29.8	Beverage and tobacco product manufacturing	312
6.0	6.7	8.1	3.8	6.4	7.1	Textile mills	313
19.1	9.9	15.9	4.7	5.2	7.6	Textile product mills	314
36.7	31.1	13.8	4.5	4.8	6.3	Apparel manufacturing	315
13.1	23.8	24.4	3.8	4.4	5.8	Leather and allied product manufacturing	316
5.8	5.4	6.0	4.8	6.8	8.3	Wood product manufacturing	321
3.9	3.2	4.7	5.7	3.7	7.3	Paper manufacturing	322
10.0	5.6	7.4	5.8	5.9	8.0	Printing and related support activities	323
10.2	7.5	10.1	10.9	12.4	16.1	Petroleum and coal products manufacturing	324
5.6	5.5	8.8	3.7	3.8	5.6	Chemical manufacturing	325
3.8	3.8	4.8	4.3	3.6	6.3	Plastics and rubber products manufacturing	326
4.9	4.0	4.8	5.9	6.7	9.5	Nonmetallic mineral product manufacturing	327
3.8	5.7	6.1	7.5	3.7	9.2	Primary metal manufacturing	331
4.2	4.7	5.5	3.9	2.6	4.4	Fabricated metal product manufacturing	332
5.1	6.7	7.1	2.0	3.1	3.6	Machinery manufacturing	333
9.1	7.7	10.2	2.4	2.8	3.6	Computer and electronic product manufacturing	334
5.7	6.3	6.8	1.6	3.5	4.1	Electrical equipment, appliance, and component manufacturing	335
5.9	3.3	5.7	4.1	2.4	4.8	Transportation equipment manufacturing	336
5.7	5.8	6.8	4.4	3.2	6.0	Furniture and related product manufacturing	337
10.2	15.9	13.3	2.5	4.3	4.9	Miscellaneous manufacturing	339
5.1	4.1	6.2	2.9	3.6	4.5	Wholesale trade	42
8.2	5.7	8.6	4.1	4.9	5.8	Merchant wholesalers, durable goods	423
15.2	11.1	20.0	8.3	13.1	11.1	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231
27.4	20.7	24.4	6.0	7.5	9.7	Furniture and home furnishing merchant wholesalers	4232
15.1	13.8	15.0	8.6	10.8	8.5	Lumber and other construction materials merchant wholesalers	4233
9.8	14.3	23.3	6.0	5.8	7.4	Professional and commercial equipment and supplies merchant wholesalers	4234
24.3	13.8	32.3	7.9	8.3	13.3	Metal and mineral (except petroleum) merchant wholesalers	4235
5.6	14.1	15.8	6.3	6.0	9.5	Electrical and electronic goods merchant wholesalers	4236
7.4	12.9	13.4	7.1	6.8	11.8	Hardware, plumbing and heating equipment and supplies merchant wholesalers	4237
6.9	7.0	8.6	5.6	4.9	7.4	Machinery, equipment, and supplies merchant wholesalers	4238
6.8	11.0	8.7	5.1	3.9	5.8	Miscellaneous durable goods merchant wholesalers	4239
7.7	5.5	9.3	5.4	3.5	6.6	Merchant wholesalers, nondurable goods	424
10.4	23.7	12.7	10.1	7.5	14.0	Paper and paper product merchant wholesalers	4241
16.0	11.8	13.9	6.7	6.9	9.8	Drugs and druggists' sundries merchant wholesalers	4242
19.3	20.6	26.7	6.5	4.0	8.1	Apparel, piece goods, and notions merchant wholesalers	4243
5.2	7.4	7.4	9.5	7.4	13.7	Grocery and related product merchant wholesalers	4244
14.3	10.2	19.1	22.1	14.5	48.3	Farm product raw material merchant wholesalers	4245
14.2	17.5	16.2	10.9	8.9	13.2	Chemical and allied products merchant wholesalers	4246
15.7	8.6	26.9	8.6	12.4	16.0	Petroleum and petroleum products merchant wholesalers	4247
7.7	14.8	15.6	8.1	6.0	10.7	Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248
11.3	18.7	15.2	6.7	7.7	9.5	Miscellaneous nondurable goods merchant wholesalers	4249
7.7	8.1	16.3	2.4	2.4	3.4	Electronic shopping and mail-order houses	4541
7.1	33.2	14.0	1.8	7.3	6.2	Fuel dealers	45431
4.3	6.0	9.7	4.5	4.4	5.7	Warehousing and storage	4931[3]
22.3	14.4	24.8	S	25.8	S	Newspaper, periodical, book, and directory publishers	5111
40.6	11.9	18.4	7.7	4.8	8.9	Corporate, subsidiary, and regional managing offices	551114

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
212	**Mining (except oil and gas)**				
	All modes	**3.1**	**2.6**	**9.7**	**3.0**
	Single modes	**3.6**	**2.8**	**10.5**	**3.6**
	Truck[3]	4.4	4.6	5.9	3.9
	For-hire truck	5.6	6.7	7.9	5.0
	Private truck	8.7	4.2	8.5	3.0
	Rail	6.8	10.8	13.5	11.5
	Water	39.5	31.9	33.2	14.2
	Inland water	S	48.4	S	14.9
	Great Lakes	25.8	20.9	24.7	14.7
	Deep sea	S	S	S	24.5
	Multiple waterways	23.3	20.4	21.4	10.5
	Air (includes truck and air)	18.6	39.7	42.3	14.8
	Pipeline[4]	23.0	19.5	S	S
	Multiple modes	**16.3**	**17.7**	**22.7**	**12.8**
	Parcel, U.S. Postal Service, or courier	S	39.7	40.4	17.4
	Truck and rail	23.2	18.0	13.6	12.5
	Truck and water	34.5	31.2	39.1	S
	Rail and water	29.0	26.6	31.6	S
	Other multiple modes	10.2	9.3	9.3	Z
	Other modes	**31.8**	**18.1**	**22.7**	**S**
31–33	**Manufacturing**				
	All modes	**0.7**	**1.6**	**1.1**	**2.0**
	Single modes	**0.8**	**1.5**	**1.2**	**4.1**
	Truck[3]	0.7	2.1	0.8	4.6
	For-hire truck	1.0	3.0	0.9	2.3
	Private truck	2.3	2.2	2.5	3.4
	Rail	5.5	4.4	5.0	2.2
	Water	9.2	9.1	14.2	8.5
	Inland water	11.7	10.8	21.3	12.9
	Great Lakes	27.3	25.3	29.5	16.3
	Deep sea	26.0	33.7	34.6	14.6
	Multiple waterways	42.8	34.3	34.0	14.1
	Air (includes truck and air)	5.7	12.6	19.4	2.9
	Pipeline[4]	5.5	5.8	S	S
	Multiple modes	**1.4**	**8.5**	**10.8**	**2.0**
	Parcel, U.S. Postal Service, or courier	2.3	2.2	2.3	2.0
	Truck and rail	5.6	9.1	3.3	3.0
	Truck and water	18.9	29.5	S	11.0
	Rail and water	25.0	38.6	28.3	20.6
	Other multiple modes	S	47.6	48.2	3.4
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
311	**Food manufacturing**				
	All modes	**2.4**	**4.3**	**4.6**	**10.8**
	Single modes	**2.4**	**4.5**	**4.7**	**12.4**
	Truck[3]	2.6	4.7	3.3	12.2
	For-hire truck	2.9	3.6	3.6	7.7
	Private truck	6.2	8.7	7.2	11.1
	Rail	6.8	9.6	12.4	4.8
	Water	20.2	34.4	33.1	39.0
	Inland water	34.0	34.6	S	25.3
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	30.3	19.9	23.5	S
	Multiple waterways	S	13.5	S	47.5
	Air (includes truck and air)	30.2	22.1	20.4	8.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**8.1**	**10.5**	**7.3**	**4.4**
	Parcel, U.S. Postal Service, or courier	17.5	12.9	11.7	4.8
	Truck and rail	9.6	8.3	7.4	3.9
	Truck and water	48.2	S	34.1	S
	Rail and water	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
312	**Beverage and tobacco product manufacturing**				
	All modes	**7.0**	**2.7**	**4.3**	**14.4**
	Single modes	**7.3**	**2.7**	**3.9**	**7.0**
	Truck[3]	7.2	2.7	3.9	7.2
	For-hire truck	8.8	3.7	4.6	6.2
	Private truck	5.8	5.9	10.5	6.5
	Rail	27.1	25.5	37.4	16.3
	Water	29.6	33.5	46.9	22.2
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	29.6	33.5	46.9	22.2
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	49.3	36.6	34.1	23.4
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**15.4**	**13.7**	**16.4**	**11.7**
	Parcel, U.S. Postal Service, or courier	35.0	48.5	49.7	12.9
	Truck and rail	18.8	17.8	18.5	9.0
	Truck and water	30.1	26.2	25.4	18.9
	Rail and water	S	S	S	S
	Other multiple modes	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
313	**Textile mills**				
	All modes	**4.9**	**4.4**	**6.0**	**3.8**
	Single modes	**5.1**	**4.4**	**5.8**	**8.4**
	Truck[3]	5.2	4.2	6.2	8.2
	For-hire truck	5.0	5.3	6.4	6.2
	Private truck	16.4	15.7	17.0	21.1
	Rail	32.8	48.9	36.1	25.1
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	24.5	21.1	29.7	9.8
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**11.2**	**19.1**	**21.5**	**4.4**
	Parcel, U.S. Postal Service, or courier	10.0	10.1	11.2	4.4
	Truck and rail	30.3	29.1	28.6	14.4
	Truck and water	S	31.1	44.1	31.8
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
314	**Textile product mills**				
	All modes	**9.1**	**18.9**	**19.1**	**4.7**
	Single modes	**10.4**	**19.1**	**16.8**	**11.8**
	Truck[3]	10.6	19.1	17.0	11.7
	For-hire truck	8.2	16.4	17.9	8.5
	Private truck	22.4	30.1	41.8	16.0
	Rail	47.0	26.1	S	S
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	24.7	49.0	S	10.4
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**6.6**	**27.9**	**47.1**	**4.1**
	Parcel, U.S. Postal Service, or courier	6.9	7.1	8.4	4.3
	Truck and rail	46.2	S	S	21.7
	Truck and water	34.1	37.2	42.7	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
315	**Apparel manufacturing**				
	All modes	**18.1**	**17.1**	**36.7**	**4.5**
	Single modes	**26.7**	**19.8**	**44.2**	**11.8**
	Truck[3]	26.7	19.8	44.3	12.1
	For-hire truck	31.2	25.3	46.1	12.2
	Private truck	22.7	40.5	37.2	23.3
	Rail	S	S	S	S
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	37.4	S	47.8	11.7
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	9.7	7.2	10.4	4.5
	Parcel, U.S. Postal Service, or courier	9.7	7.2	10.4	4.5
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
316	**Leather and allied product manufacturing**				
	All modes	**5.6**	**10.2**	**13.1**	**3.8**
	Single modes	**8.7**	**12.6**	**14.5**	**5.8**
	Truck[3]	9.5	10.3	10.1	6.0
	For-hire truck	10.4	9.9	11.3	7.2
	Private truck	21.5	27.4	49.4	14.5
	Rail	S	S	S	16.8
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	16.7	18.4	14.2	11.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**9.3**	**24.1**	**22.7**	**3.8**
	Parcel, U.S. Postal Service, or courier	10.0	15.9	18.2	3.7
	Truck and rail	30.6	27.8	25.5	9.6
	Truck and water	S	S	S	36.3
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
321	**Wood product manufacturing**				
	All modes	**5.3**	**10.3**	**5.8**	**4.8**
	Single modes	**5.4**	**11.0**	**6.1**	**4.6**
	Truck[3]	5.5	11.4	7.7	4.7
	For-hire truck	4.8	12.6	7.9	4.5
	Private truck	8.5	11.5	11.9	7.1
	Rail	5.7	9.6	6.9	7.7
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	26.3
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**10.0**	**43.1**	**19.0**	**5.3**
	Parcel, U.S. Postal Service, or courier	19.7	20.5	19.1	5.5
	Truck and rail	10.3	43.7	19.4	11.0
	Truck and water	S	S	48.8	17.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
322	**Paper manufacturing**				
	All modes	**2.4**	**4.4**	**3.9**	**5.7**
	Single modes	**2.5**	**4.3**	**4.1**	**3.7**
	Truck[3]	2.4	3.6	2.5	4.0
	For-hire truck	2.9	4.3	2.7	3.8
	Private truck	6.4	6.0	6.5	3.5
	Rail	7.9	9.2	9.5	4.6
	Water	S	S	16.5	47.6
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	16.5	47.6
	Multiple waterways	**0.0**	**0.0**	**0.0**	**0.0**
	Air (includes truck and air)	29.8	18.9	24.4	8.8
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	6.9	8.6	6.6	5.2
	Parcel, U.S. Postal Service, or courier	21.8	15.2	16.1	5.2
	Truck and rail	7.5	8.5	6.8	4.0
	Truck and water	24.3	32.7	30.6	10.4
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
323	**Printing and related support activities**				
	All modes	**2.5**	**7.5**	**10.0**	**5.8**
	Single modes	**2.7**	**7.9**	**10.8**	**12.8**
	Truck[3]	2.0	8.0	10.9	13.9
	For-hire truck	2.9	8.4	11.0	8.0
	Private truck	4.9	10.9	15.5	10.5
	Rail	28.8	42.5	29.5	14.8
	Water	27.9	24.8	38.3	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	27.9	24.8	38.3	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	35.4	32.9	26.5	15.4
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**4.5**	**4.6**	**5.8**	**6.9**
	Parcel, U.S. Postal Service, or courier	4.8	5.6	6.8	6.9
	Truck and rail	49.4	23.7	21.7	28.1
	Truck and water	22.7	44.1	41.0	11.6
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
324	**Petroleum and coal products manufacturing**				
	All modes	**4.3**	**4.1**	**10.2**	**10.9**
	Single modes	**4.2**	**4.1**	**7.7**	**14.2**
	Truck[3]	5.1	7.7	7.7	15.7
	For-hire truck	5.9	12.5	9.1	15.5
	Private truck	11.1	12.8	11.5	19.8
	Rail	10.7	11.1	12.1	7.0
	Water	12.8	11.7	22.6	23.6
	Inland water	16.0	14.6	27.8	18.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	36.3	34.7	42.7	23.0
	Multiple waterways	20.7	16.4	24.6	29.6
	Air (includes truck and air)	33.8	23.2	23.7	8.1
	Pipeline[4]	5.9	6.0	S	S
	Multiple modes	**S**	**S**	**S**	**5.7**
	Parcel, U.S. Postal Service, or courier	18.1	19.0	20.3	6.0
	Truck and rail	S	S	43.4	34.2
	Truck and water	S	S	S	14.5
	Rail and water	33.0	39.4	30.2	45.4
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
325	**Chemical manufacturing**				
	All modes	**2.1**	**3.8**	**5.6**	**3.7**
	Single modes	**2.7**	**4.2**	**6.3**	**4.2**
	Truck[3]	2.5	3.5	4.2	5.9
	For-hire truck	3.0	3.9	4.2	3.2
	Private truck	6.0	4.8	5.6	8.8
	Rail	8.0	7.0	7.6	2.1
	Water	13.5	14.7	27.9	15.4
	Inland water	16.3	17.0	32.9	17.3
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	35.8	30.8	35.8	S
	Multiple waterways	40.8	38.6	32.0	S
	Air (includes truck and air)	14.0	48.2	S	3.3
	Pipeline[4]	14.1	11.7	S	S
	Multiple modes	**8.5**	**18.0**	**7.1**	**3.7**
	Parcel, U.S. Postal Service, or courier	14.4	18.8	21.2	3.7
	Truck and rail	6.3	19.3	7.9	4.2
	Truck and water	32.9	38.4	33.2	13.8
	Rail and water	35.7	34.5	35.0	44.5
	Other multiple modes	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
326	**Plastics and rubber products manufacturing**				
	All modes	**2.6**	**4.9**	**3.8**	**4.3**
	Single modes	**2.8**	**2.8**	**3.8**	**3.5**
	Truck[3]	2.8	2.8	3.7	3.7
	For-hire truck	3.3	3.0	3.9	3.5
	Private truck	4.9	7.9	5.1	8.4
	Rail	21.0	17.6	23.2	11.0
	Water	S	S	S	21.4
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	24.0
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	7.8	12.5	14.0	3.2
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**5.0**	**S**	**19.3**	**4.9**
	Parcel, U.S. Postal Service, or courier	7.6	10.3	12.5	5.0
	Truck and rail	13.5	S	23.8	7.4
	Truck and water	33.7	33.3	32.7	14.9
	Rail and water	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
327	**Nonmetallic mineral product manufacturing**				
	All modes	**2.2**	**2.6**	**4.9**	**5.9**
	Single modes	**2.1**	**2.6**	**4.1**	**7.0**
	Truck[3]	2.3	2.7	4.3	7.1
	For-hire truck	3.6	4.7	4.0	8.6
	Private truck	3.0	3.6	6.3	11.2
	Rail	9.0	15.4	12.3	22.5
	Water	21.3	23.6	20.6	20.6
	Inland water	30.2	30.8	30.9	21.4
	Great Lakes	27.3	25.3	29.5	16.3
	Deep sea	40.5	27.5	40.0	23.3
	Multiple waterways	24.0	26.9	35.1	27.2
	Air (includes truck and air)	15.2	20.0	20.1	8.2
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**11.2**	**20.5**	**18.4**	**6.1**
	Parcel, U.S. Postal Service, or courier	17.5	12.6	13.7	6.4
	Truck and rail	12.9	21.9	16.8	8.6
	Truck and water	32.0	44.4	47.4	12.8
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
331	**Primary metal manufacturing**				
	All modes	**1.8**	**6.9**	**3.8**	**7.5**
	Single modes	**1.8**	**7.2**	**3.7**	**6.4**
	Truck[3]	1.8	9.7	5.0	6.8
	For-hire truck	2.0	9.9	5.1	6.1
	Private truck	6.2	10.4	9.8	12.5
	Rail	7.3	6.8	7.2	7.9
	Water	20.9	25.4	34.7	15.8
	Inland water	32.9	39.9	S	17.4
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	48.2	13.5
	Multiple waterways	48.8	43.3	35.1	15.5
	Air (includes truck and air)	12.0	33.3	17.1	3.3
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**6.8**	**13.3**	**10.7**	**4.7**
	Parcel, U.S. Postal Service, or courier	17.3	18.7	21.3	5.3
	Truck and rail	6.5	12.0	11.2	5.9
	Truck and water	S	S	39.9	S
	Rail and water	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
332	**Fabricated metal product manufacturing**				
	All modes	**2.1**	**4.4**	**4.2**	**3.9**
	Single modes	**2.4**	**4.5**	**4.4**	**6.3**
	Truck[3]	2.5	4.5	4.4	6.3
	For-hire truck	2.7	5.4	4.5	3.6
	Private truck	3.2	6.0	8.6	9.9
	Rail	13.3	12.0	14.5	14.8
	Water	S	44.1	47.0	28.8
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	28.8
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	8.3	12.4	11.6	2.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**4.1**	**14.2**	**15.0**	**2.1**
	Parcel, U.S. Postal Service, or courier	4.6	4.7	4.2	2.1
	Truck and rail	25.0	22.9	24.8	4.4
	Truck and water	30.4	25.9	27.2	8.7
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
333	**Machinery manufacturing**				
	All modes	**2.8**	**4.7**	**5.1**	**2.0**
	Single modes	**3.2**	**4.6**	**4.3**	**1.8**
	Truck[3]	3.3	4.5	4.2	2.3
	For-hire truck	3.3	4.6	4.2	2.5
	Private truck	7.7	12.0	16.8	8.9
	Rail	30.0	29.3	30.1	6.0
	Water	S	39.5	S	36.8
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	39.5	S	36.8
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	9.3	12.2	11.0	2.1
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**6.5**	**20.7**	**29.0**	**2.5**
	Parcel, U.S. Postal Service, or courier	4.7	8.2	7.9	2.5
	Truck and rail	35.1	36.5	44.1	5.3
	Truck and water	41.2	32.5	30.5	13.7
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
334	**Computer and electronic product manufacturing**				
	All modes	**4.1**	**14.5**	**9.1**	**2.4**
	Single modes	**5.7**	**16.1**	**10.0**	**2.9**
	Truck[3]	5.1	15.2	8.7	5.0
	For-hire truck	5.9	8.7	8.0	4.0
	Private truck	17.8	40.1	35.6	10.6
	Rail	S	S	S	15.2
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	10.6	29.7	23.8	2.3
	Pipeline[4]	5.4	5.6	S	S
	Multiple modes	**4.2**	**8.1**	**8.3**	**2.6**
	Parcel, U.S. Postal Service, or courier	4.1	7.6	6.5	2.6
	Truck and rail	28.1	22.5	37.7	17.3
	Truck and water	S	S	S	20.4
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
335	**Electrical equipment, appliance, and component manufacturing**				
	All modes	**3.7**	**6.3**	**5.7**	**1.6**
	Single modes	**4.2**	**6.1**	**5.0**	**1.3**
	Truck[3]	4.9	6.3	4.9	1.3
	For-hire truck	5.6	7.2	5.1	1.5
	Private truck	12.2	14.7	18.0	12.6
	Rail	36.6	30.6	24.1	11.2
	Water	S	S	31.5	37.3
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.6	16.1	12.2	3.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**8.4**	**14.3**	**20.9**	**1.8**
	Parcel, U.S. Postal Service, or courier	8.8	13.0	13.7	1.8
	Truck and rail	18.5	23.4	29.6	9.6
	Truck and water	28.0	23.9	29.3	25.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
336	**Transportation equipment manufacturing**				
	All modes	**3.8**	**6.0**	**5.9**	**4.1**
	Single modes	**3.3**	**6.2**	**6.0**	**5.8**
	Truck[3]	4.5	5.8	5.8	6.5
	For-hire truck	5.5	5.7	5.4	4.0
	Private truck	10.2	11.0	16.5	17.9
	Rail	33.0	22.6	24.5	12.3
	Water	2.5	12.4	S	38.1
	Inland water	14.9	18.3	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	16.0	30.4	S	40.0
	Air (includes truck and air)	15.1	16.1	16.2	1.8
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**10.7**	**11.3**	**13.9**	**1.5**
	Parcel, U.S. Postal Service, or courier	13.4	16.1	20.0	1.6
	Truck and rail	14.2	12.0	15.3	8.8
	Truck and water	37.6	39.6	48.4	17.0
	Rail and water	41.6	10.0	5.0	11.7
	Other multiple modes	8.0	21.8	20.0	1.9
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
337	**Furniture and related product manufacturing**				
	All modes	**3.6**	**3.5**	**5.7**	**4.4**
	Single modes	**3.7**	**3.0**	**5.2**	**6.8**
	Truck[3]	3.8	2.9	5.1	6.7
	For-hire truck	3.9	3.2	5.4	5.8
	Private truck	5.1	8.1	11.0	7.1
	Rail	44.2	S	42.2	19.3
	Water	30.5	44.0	38.9	8.7
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	30.5	44.0	38.9	8.7
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	25.6	23.2	25.1	7.7
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**6.3**	**34.8**	**37.5**	**3.2**
	Parcel, U.S. Postal Service, or courier	6.3	8.9	7.6	3.1
	Truck and rail	23.4	S	S	11.4
	Truck and water	33.0	46.6	44.9	13.3
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
339	**Miscellaneous manufacturing**				
	All modes	**2.6**	**14.7**	**10.2**	**2.5**
	Single modes	**2.5**	**15.8**	**11.5**	**7.6**
	Truck[3]	3.1	15.9	11.7	10.4
	For-hire truck	2.9	16.8	11.4	5.6
	Private truck	16.5	27.7	39.7	12.8
	Rail	39.1	S	S	19.4
	Water	S	S	S	47.7
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.5	16.1	19.4	5.1
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**5.8**	**4.8**	**6.2**	**2.2**
	Parcel, U.S. Postal Service, or courier	5.8	4.5	5.0	2.2
	Truck and rail	24.7	18.8	20.7	24.3
	Truck and water	28.5	37.0	43.0	9.5
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
42	**Wholesale trade**				
	All modes	**1.5**	**3.6**	**5.1**	**2.9**
	Single modes	**1.6**	**3.7**	**5.1**	**4.5**
	Truck[3]	1.5	3.9	4.6	5.1
	For-hire truck	2.3	4.6	5.0	4.1
	Private truck	1.5	4.1	5.2	18.0
	Rail	7.9	16.2	14.8	8.7
	Water	47.6	36.0	12.9	15.3
	Inland water	S	45.4	12.9	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	34.3	36.7	43.4	11.7
	Multiple waterways	35.9	35.3	36.1	17.3
	Air (includes truck and air)	5.4	11.8	28.2	2.6
	Pipeline[4]	S	S	S	S
	Multiple modes	**3.3**	**9.7**	**15.6**	**2.8**
	Parcel, U.S. Postal Service, or courier	3.4	3.0	3.3	2.8
	Truck and rail	12.4	12.4	24.0	14.6
	Truck and water	28.7	38.2	38.2	8.9
	Rail and water	25.7	27.8	27.2	34.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
423	**Merchant wholesalers, durable goods**				
	All modes	**1.2**	**7.1**	**8.2**	**4.1**
	Single modes	**1.2**	**7.2**	**8.5**	**4.2**
	Truck[3]	1.2	7.7	9.7	4.5
	For-hire truck	1.6	11.1	11.3	3.9
	Private truck	2.2	6.9	5.4	23.0
	Rail	10.3	7.2	12.2	17.1
	Water	36.0	38.8	21.0	22.2
	Inland water	30.0	20.6	27.6	22.2
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	23.1	S	35.6	22.0
	Multiple waterways	S	S	S	25.5
	Air (includes truck and air)	5.0	8.5	8.2	1.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**2.8**	**6.7**	**8.8**	**3.8**
	Parcel, U.S. Postal Service, or courier	3.0	3.3	3.9	3.8
	Truck and rail	21.5	10.0	13.5	9.8
	Truck and water	22.9	21.7	21.8	7.6
	Rail and water	S	S	32.9	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	All modes	**4.1**	**6.8**	**15.2**	**8.3**
	Single modes	**4.1**	**6.9**	**16.5**	**11.1**
	Truck[3]	4.1	6.9	16.5	10.1
	For-hire truck	6.3	12.4	18.1	7.7
	Private truck	4.3	7.6	16.0	26.1
	Rail	40.2	44.5	33.5	14.3
	Water	42.6	S	S	42.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	42.6	S	S	42.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	19.6	24.7	24.9	3.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**9.4**	**12.5**	**20.0**	**6.5**
	Parcel, U.S. Postal Service, or courier	10.2	10.1	11.7	6.5
	Truck and rail	45.8	32.1	38.7	12.3
	Truck and water	32.8	28.1	42.4	46.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4232	**Furniture and home furnishing merchant wholesalers**				
	All modes	**4.7**	**15.0**	**27.4**	**6.0**
	Single modes	**4.4**	**14.8**	**28.7**	**8.5**
	Truck[3]	4.0	13.9	24.9	8.2
	For-hire truck	7.8	21.5	26.1	4.5
	Private truck	5.4	6.6	10.0	10.1
	Rail	S	S	S	21.4
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	28.5	28.6	25.3
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**12.7**	**24.5**	**21.1**	**6.0**
	Parcel, U.S. Postal Service, or courier	11.5	19.7	21.8	6.0
	Truck and rail	33.9	32.4	35.3	20.4
	Truck and water	S	S	S	37.6
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4233	**Lumber and other construction materials merchant wholesalers**				
	All modes	**3.0**	**16.7**	**15.1**	**8.6**
	Single modes	**3.0**	**16.9**	**15.1**	**6.5**
	Truck[3]	3.0	17.5	19.1	6.6
	For-hire truck	7.2	32.6	22.1	13.2
	Private truck	2.9	12.1	14.4	6.8
	Rail	43.0	44.4	S	13.6
	Water	36.6	S	S	16.8
	Inland water	45.6	46.8	S	23.9
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	35.9	35.2	28.0	17.9
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	38.4	36.6	21.7
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	10.6	23.2	21.4	13.1
	Parcel, U.S. Postal Service, or courier	18.3	16.6	19.6	13.1
	Truck and rail	18.6	23.4	21.9	15.8
	Truck and water	31.7	S	42.3	40.8
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	0.0	0.0	0.0	0.0
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	All modes	**2.1**	**6.6**	**9.8**	**6.0**
	Single modes	**4.0**	**6.4**	**10.9**	**8.7**
	Truck[3]	4.8	6.5	11.2	11.1
	For-hire truck	7.1	10.2	11.8	8.0
	Private truck	3.9	2.8	6.9	8.8
	Rail	S	S	50.0	36.1
	Water	S	43.9	49.2	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	43.9	49.2	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	12.4	16.0	22.6	4.1
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**7.3**	**11.8**	**11.3**	**6.8**
	Parcel, U.S. Postal Service, or courier	7.4	8.4	6.8	6.8
	Truck and rail	36.5	39.8	39.2	23.7
	Truck and water	46.6	40.9	S	49.1
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	All modes	**3.5**	**7.1**	**24.3**	**7.9**
	Single modes	**3.7**	**7.5**	**25.1**	**8.6**
	Truck[3]	3.8	7.6	26.2	8.6
	For-hire truck	4.1	10.2	29.3	8.5
	Private truck	4.8	6.2	8.3	6.2
	Rail	17.5	21.4	32.7	16.6
	Water	33.3	43.6	S	21.9
	Inland water	39.3	39.6	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	42.0	48.8	20.8
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	49.3	28.3	13.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**12.8**	**38.9**	**19.3**	**8.9**
	Parcel, U.S. Postal Service, or courier	24.1	15.3	17.4	8.9
	Truck and rail	33.0	44.9	26.2	10.5
	Truck and water	S	43.3	44.1	20.3
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4236	**Electrical and electronic goods merchant wholesalers**				
	All modes	**4.8**	**6.9**	**5.6**	**6.3**
	Single modes	**5.9**	**7.4**	**6.8**	**5.2**
	Truck[3]	5.5	7.5	6.8	7.7
	For-hire truck	5.1	6.8	7.4	7.8
	Private truck	8.1	10.1	18.3	8.2
	Rail	S	S	S	28.6
	Water	S	34.0	S	S
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	41.3	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	12.0	14.2	18.7	5.5
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**8.2**	**7.1**	**12.5**	**5.4**
	Parcel, U.S. Postal Service, or courier	8.2	6.9	12.0	5.4
	Truck and rail	28.8	25.3	32.6	48.2
	Truck and water	30.9	31.9	35.9	13.7
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	All modes	**3.4**	**2.6**	**7.4**	**7.1**
	Single modes	**3.5**	**2.4**	**8.0**	**11.4**
	Truck[3]	3.4	2.4	8.0	12.0
	For-hire truck	6.8	6.5	10.6	14.7
	Private truck	3.0	2.9	4.6	5.2
	Rail	S	31.2	S	S
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	26.7	36.8	35.8	6.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**8.0**	**11.3**	**15.4**	**4.6**
	Parcel, U.S. Postal Service, or courier	7.7	8.1	10.8	4.6
	Truck and rail	35.0	37.8	41.9	31.5
	Truck and water	49.4	S	S	26.6
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	All modes	**2.0**	**8.9**	**6.9**	**5.6**
	Single modes	**2.4**	**9.2**	**7.7**	**5.7**
	Truck[3]	2.5	9.3	8.1	6.8
	For-hire truck	3.0	11.4	9.4	6.9
	Private truck	4.9	14.1	15.3	6.9
	Rail	46.0	37.3	S	S
	Water	35.2	S	S	44.6
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	37.1	S	S	43.7
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	15.0	20.0	13.9	3.4
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**3.4**	**4.6**	**7.6**	**5.6**
	Parcel, U.S. Postal Service, or courier	3.4	5.4	8.9	5.6
	Truck and rail	26.0	16.0	24.8	41.8
	Truck and water	24.0	16.6	25.7	18.1
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4239	**Miscellaneous durable goods merchant wholesalers**				
	All modes	**4.6**	**8.1**	**6.8**	**5.1**
	Single modes	**4.8**	**8.2**	**5.9**	**8.7**
	Truck[3]	4.7	8.5	7.3	9.0
	For-hire truck	4.6	8.3	7.6	5.9
	Private truck	8.4	14.1	10.0	10.9
	Rail	14.7	12.9	9.4	7.8
	Water	38.9	41.6	32.0	21.4
	Inland water	30.9	28.5	40.7	20.8
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	46.4	36.0
	Multiple waterways	S	S	S	25.5
	Air (includes truck and air)	15.8	33.1	S	8.8
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**5.7**	**11.5**	**16.1**	**4.1**
	Parcel, U.S. Postal Service, or courier	6.7	11.0	15.1	4.1
	Truck and rail	10.0	13.8	18.9	11.8
	Truck and water	29.4	27.3	27.7	34.2
	Rail and water	S	S	32.9	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
424	**Merchant wholesalers, nondurable goods**				
	All modes	**2.1**	**3.8**	**7.7**	**5.4**
	Single modes	**2.3**	**3.9**	**7.2**	**8.2**
	Truck[3]	2.4	3.0	5.6	8.5
	For-hire truck	3.5	3.8	7.3	10.5
	Private truck	2.5	3.8	6.0	3.5
	Rail	11.3	18.2	16.5	10.6
	Water	S	39.3	14.9	15.5
	Inland water	S	48.0	13.4	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	35.9	37.1	S	13.4
	Multiple waterways	38.7	37.7	36.4	14.4
	Air (includes truck and air)	14.3	26.3	S	6.1
	Pipeline[4]	S	S	S	S
	Multiple modes	**7.1**	**17.4**	**27.1**	**5.6**
	Parcel, U.S. Postal Service, or courier	7.8	3.9	6.9	5.6
	Truck and rail	18.1	24.4	41.0	29.7
	Truck and water	31.9	40.3	41.4	14.2
	Rail and water	29.0	28.7	27.7	34.6
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4241	**Paper and paper product merchant wholesalers**				
	All modes	**3.3**	**4.6**	**10.4**	**10.1**
	Single modes	**3.8**	**4.6**	**10.4**	**10.0**
	Truck[3]	3.8	4.6	10.2	10.3
	For-hire truck	5.9	11.6	13.1	16.3
	Private truck	6.4	7.3	9.0	5.3
	Rail	33.4	37.1	26.4	20.5
	Water	27.9	S	34.1	13.1
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	27.9	S	34.1	13.1
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	37.7	40.6	12.3
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**9.6**	**5.9**	**15.7**	**6.2**
	Parcel, U.S. Postal Service, or courier	9.9	9.0	13.0	6.2
	Truck and rail	S	39.3	S	27.8
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4242	**Drugs and druggists' sundries merchant wholesalers**				
	All modes	**5.4**	**9.2**	**16.0**	**6.7**
	Single modes	**6.7**	**11.1**	**18.4**	**27.7**
	Truck[3]	6.9	11.4	18.7	31.7
	For-hire truck	9.2	13.8	20.4	15.8
	Private truck	13.0	17.4	23.2	18.1
	Rail	S	S	S	S
	Water	45.4	S	S	15.4
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	45.4	S	S	15.4
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	27.7	S	S	6.4
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**10.7**	**10.5**	**15.2**	**11.0**
	Parcel, U.S. Postal Service, or courier	10.7	10.9	12.0	11.0
	Truck and rail	42.1	S	S	S
	Truck and water	48.6	S	S	28.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	All modes	**6.5**	**14.9**	**19.3**	**6.5**
	Single modes	**9.5**	**16.3**	**22.4**	**12.3**
	Truck[3]	9.9	16.7	23.2	14.1
	For-hire truck	9.3	18.8	23.3	12.4
	Private truck	18.6	20.8	30.9	14.2
	Rail	44.7	S	S	15.2
	Water	S	S	S	S
	Inland water	S	S	7.3	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	26.1	20.1	27.6	6.3
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**8.3**	**7.9**	**12.8**	**5.1**
	Parcel, U.S. Postal Service, or courier	8.7	8.9	10.0	5.1
	Truck and rail	36.3	33.6	43.6	16.2
	Truck and water	43.6	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4244	**Grocery and related product merchant wholesalers**				
	All modes	**2.3**	**5.2**	**5.2**	**9.5**
	Single modes	**2.3**	**5.2**	**5.2**	**4.4**
	Truck[3]	2.3	5.3	5.2	3.2
	For-hire truck	5.6	4.4	6.2	7.3
	Private truck	3.3	6.1	5.7	3.4
	Rail	13.8	30.4	38.8	19.3
	Water	27.2	38.4	26.7	15.9
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	31.5	44.0	32.7	15.9
	Multiple waterways	S	S	S	Z
	Air (includes truck and air)	35.3	S	S	18.6
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**14.2**	**16.7**	**16.4**	**9.2**
	Parcel, U.S. Postal Service, or courier	25.5	19.7	16.6	10.7
	Truck and rail	39.0	40.4	29.6	S
	Truck and water	17.8	17.6	25.7	11.5
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4245	**Farm product raw material merchant wholesalers**				
	All modes	**5.8**	**7.6**	**14.3**	**22.1**
	Single modes	**5.6**	**7.7**	**13.3**	**12.1**
	Truck[3]	6.4	6.9	7.6	14.4
	For-hire truck	9.2	9.4	9.7	11.6
	Private truck	6.5	8.7	9.4	11.5
	Rail	13.9	15.8	20.7	9.9
	Water	10.0	10.2	16.4	8.9
	Inland water	17.4	19.6	14.4	11.8
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	43.0	43.2	26.4	33.1
	Multiple waterways	39.0	36.9	35.1	14.8
	Air (includes truck and air)	S	37.6	35.7	12.8
	Pipeline[4]	S	S	S	S
	Multiple modes	**17.8**	**22.2**	**37.2**	**14.2**
	Parcel, U.S. Postal Service, or courier	S	40.8	S	12.2
	Truck and rail	24.1	32.3	S	16.3
	Truck and water	29.8	31.8	48.8	15.4
	Rail and water	27.4	27.1	26.0	17.6
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4246	**Chemical and allied products merchant wholesalers**				
	All modes	**7.5**	**8.7**	**14.2**	**10.9**
	Single modes	**7.8**	**8.2**	**14.1**	**13.9**
	Truck[3]	8.1	8.9	9.7	14.5
	For-hire truck	8.6	10.8	12.4	17.3
	Private truck	10.2	12.6	15.1	7.7
	Rail	35.6	48.4	S	17.3
	Water	S	S	S	22.7
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	33.0	S	S	21.4
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	30.5	35.6	24.8	15.0
	Pipeline[4]	46.9	10.9	S	S
	Multiple modes	**12.7**	**S**	**S**	**6.7**
	Parcel, U.S. Postal Service, or courier	12.0	16.2	23.3	6.7
	Truck and rail	41.5	S	S	48.9
	Truck and water	20.0	31.7	45.6	27.8
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4247	**Petroleum and petroleum products merchant wholesalers**				
	All modes	**3.5**	**5.6**	**15.7**	**8.6**
	Single modes	**3.5**	**5.6**	**15.7**	**7.2**
	Truck[3]	4.5	4.6	14.6	7.0
	For-hire truck	5.0	5.5	20.5	19.5
	Private truck	8.0	8.7	13.7	8.7
	Rail	32.2	S	43.9	13.7
	Water	S	S	S	23.1
	Inland water	S	S	S	41.4
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	36.5
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	35.3
	Pipeline[4]	S	S	S	S
	Multiple modes	**37.7**	**S**	**27.4**	**19.4**
	Parcel, U.S. Postal Service, or courier	S	S	S	21.4
	Truck and rail	38.4	32.0	33.2	47.1
	Truck and water	S	S	48.1	26.8
	Rail and water	36.3	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	All modes	**3.5**	**4.4**	**7.7**	**8.1**
	Single modes	**3.5**	**4.4**	**7.2**	**6.2**
	Truck[3]	3.5	4.3	6.9	6.3
	For-hire truck	15.5	11.7	13.7	22.0
	Private truck	3.4	4.4	3.8	2.7
	Rail	S	S	S	S
	Water	S	42.7	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	42.7	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	37.7	S
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**49.1**	**S**	**S**	**21.5**
	Parcel, U.S. Postal Service, or courier	S	26.9	34.3	21.8
	Truck and rail	S	S	S	27.0
	Truck and water	44.5	49.6	47.1	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	All modes	**3.5**	**12.1**	**11.3**	**6.7**
	Single modes	**3.6**	**12.4**	**12.4**	**12.0**
	Truck[3]	3.4	7.9	4.9	12.7
	For-hire truck	5.6	10.0	6.9	12.0
	Private truck	4.5	8.2	7.1	3.8
	Rail	31.0	49.4	38.0	S
	Water	34.7	49.0	S	24.3
	Inland water	37.7	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	34.9	S	S	25.6
	Multiple waterways	S	49.5	49.3	0.3
	Air (includes truck and air)	26.1	40.8	38.2	9.6
	Pipeline[4]	S	S	S	S
	Multiple modes	**8.8**	**22.9**	**25.9**	**5.5**
	Parcel, U.S. Postal Service, or courier	8.4	7.3	8.9	5.6
	Truck and rail	24.4	24.6	29.7	S
	Truck and water	40.6	36.1	40.9	32.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4541	**Electronic shopping and mail-order houses**				
	All modes	**5.1**	**12.6**	**7.7**	**2.4**
	Single modes	**14.1**	**18.9**	**16.2**	**9.8**
	Truck[3]	13.6	19.1	16.3	12.5
	For-hire truck	11.5	16.9	16.2	9.1
	Private truck	24.1	33.6	35.7	34.1
	Rail	0.0	0.0	0.0	0.0
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	23.7	43.6	30.7	5.7
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**6.5**	**7.1**	**7.7**	**2.2**
	Parcel, U.S. Postal Service, or courier	6.5	7.2	7.8	2.2
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	0.1
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
45431	**Fuel dealers**				
	All modes	**2.5**	**2.5**	**7.1**	**1.8**
	Single modes	**2.5**	**2.5**	**7.1**	**1.8**
	Truck[3]	2.5	2.4	7.0	1.8
	For-hire truck	19.1	18.1	S	8.0
	Private truck	2.3	2.3	3.8	1.9
	Rail	S	S	S	42.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S
	Pipeline[4]	S	S	S	S
	Multiple modes	**36.1**	**39.3**	**S**	**34.8**
	Parcel, U.S. Postal Service, or courier	35.0	39.5	39.7	41.0
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4931[5]	**Warehousing and storage**				
	All modes	**3.5**	**7.8**	**4.3**	**4.5**
	Single modes	**3.9**	**7.8**	**4.5**	**8.3**
	Truck[3]	3.8	8.1	4.5	8.3
	For-hire truck	5.7	11.3	6.0	8.5
	Private truck	6.3	12.5	11.4	10.7
	Rail	49.7	S	36.4	13.4
	Water	41.9	S	S	15.1
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	42.2	S	42.1	17.9
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	18.9	41.0	34.8	15.7
	Pipeline[4]	43.6	31.0	S	S
	Multiple modes	**10.5**	**12.7**	**16.3**	**5.8**
	Parcel, U.S. Postal Service, or courier	13.2	20.4	21.1	5.8
	Truck and rail	24.3	22.3	25.3	10.9
	Truck and water	27.4	22.6	23.9	5.2
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
5111	**Newspaper, periodical, book, and directory publishers**				
	All modes	**7.1**	**15.9**	**22.3**	**S**
	Single modes	**7.7**	**16.7**	**24.8**	**S**
	Truck[3]	8.0	16.7	25.6	S
	For-hire truck	9.8	18.6	28.1	S
	Private truck	17.9	27.7	16.0	28.2
	Rail	36.7	25.9	22.1	12.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	22.8	37.9	35.0	3.9
	Pipeline[4]	0.0	0.0	0.0	0.0
	Multiple modes	**19.5**	**16.8**	**16.0**	**45.0**
	Parcel, U.S. Postal Service, or courier	20.0	16.8	15.7	45.1
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	29.5
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-11.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
551114	**Corporate, subsidiary, and regional managing offices**				
	All modes	**11.2**	**14.8**	**40.6**	**7.7**
	Single modes	**11.7**	**15.1**	**42.1**	**18.0**
	Truck[3]	13.2	20.3	46.4	19.1
	For-hire truck	17.3	29.6	S	15.1
	Private truck	13.2	15.0	11.2	11.7
	Rail	26.5	29.3	S	14.3
	Water	44.7	48.9	37.4	26.7
	Inland water	29.7	30.9	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	32.4
	Multiple waterways	S	S	S	18.8
	Air (includes truck and air)	27.0	21.8	22.0	11.0
	Pipeline[4]	30.6	29.1	S	S
	Multiple modes	**13.2**	**24.0**	**33.0**	**9.2**
	Parcel, U.S. Postal Service, or courier	15.8	18.2	21.4	9.2
	Truck and rail	47.3	36.0	45.7	13.0
	Truck and water	S	S	S	22.6
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	S	S	S	S
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] NAICS codes shown are those covered in the Commodity Flow Survey.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.
[3] “Truck” as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[5] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
212	**Mining (except oil and gas)**			
	Total	**3.1**	**2.6**	**9.7**
	Less than 50 miles	4.8	4.1	3.5
	50 to 99 miles	6.7	10.8	11.2
	100 to 249 miles	11.2	12.9	12.2
	250 to 499 miles	12.3	11.5	10.0
	500 to 749 miles	13.9	11.5	11.9
	750 to 999 miles	11.5	19.6	19.1
	1,000 to 1,499 miles	16.0	14.2	14.1
	1,500 to 1,999 miles	22.6	19.3	18.8
	2,000 miles or more	37.5	24.6	26.5
31–33	**Manufacturing**			
	Total	**0.7**	**1.6**	**1.1**
	Less than 50 miles	2.2	2.7	3.7
	50 to 99 miles	2.8	4.8	4.8
	100 to 249 miles	2.4	3.5	3.2
	250 to 499 miles	1.4	1.7	1.7
	500 to 749 miles	2.2	3.9	4.5
	750 to 999 miles	3.6	5.2	5.4
	1,000 to 1,499 miles	2.5	3.5	3.6
	1,500 to 1,999 miles	3.9	6.3	11.3
	2,000 miles or more	5.1	5.7	5.9
311	**Food manufacturing**			
	Total	**2.4**	**4.3**	**4.6**
	Less than 50 miles	5.8	8.2	9.0
	50 to 99 miles	6.1	8.4	8.2
	100 to 249 miles	3.4	4.8	4.9
	250 to 499 miles	3.1	4.2	4.1
	500 to 749 miles	3.1	5.4	5.7
	750 to 999 miles	3.9	7.1	7.2
	1,000 to 1,499 miles	4.3	4.5	4.7
	1,500 to 1,999 miles	6.3	10.1	11.0
	2,000 miles or more	14.1	19.7	20.1
312	**Beverage and tobacco product manufacturing**			
	Total	**7.0**	**2.7**	**4.3**
	Less than 50 miles	17.8	5.0	7.0
	50 to 99 miles	7.0	6.4	6.2
	100 to 249 miles	3.6	4.0	4.1
	250 to 499 miles	10.4	5.9	6.0
	500 to 749 miles	12.4	8.9	9.2
	750 to 999 miles	7.1	11.6	11.6
	1,000 to 1,499 miles	11.3	11.2	12.6
	1,500 to 1,999 miles	13.0	15.5	16.2
	2,000 miles or more	13.0	16.0	17.4
313	**Textile mills**			
	Total	**4.9**	**4.4**	**6.0**
	Less than 50 miles	17.6	22.2	19.4
	50 to 99 miles	13.6	23.3	25.3
	100 to 249 miles	11.6	15.3	15.3
	250 to 499 miles	8.3	7.3	8.1
	500 to 749 miles	2.7	4.4	4.6
	750 to 999 miles	9.7	9.1	8.9
	1,000 to 1,499 miles	18.2	15.0	14.9
	1,500 to 1,999 miles	10.1	15.5	15.1
	2,000 miles or more	22.6	21.9	21.2
314	**Textile product mills**			
	Total	**9.1**	**18.9**	**19.1**
	Less than 50 miles	20.3	33.1	24.2
	50 to 99 miles	15.4	15.1	15.1
	100 to 249 miles	7.5	17.4	19.0
	250 to 499 miles	6.2	24.5	21.8
	500 to 749 miles	14.8	21.7	22.3
	750 to 999 miles	11.1	25.0	24.4
	1,000 to 1,499 miles	7.7	10.7	10.0
	1,500 to 1,999 miles	10.7	29.6	31.6
	2,000 miles or more	12.9	31.3	30.5
315	**Apparel manufacturing**			
	Total	**18.1**	**17.1**	**36.7**
	Less than 50 miles	16.0	40.2	25.6
	50 to 99 miles	15.0	19.4	19.4
	100 to 249 miles	13.6	30.4	36.8
	250 to 499 miles	16.2	17.2	16.7
	500 to 749 miles	7.3	17.8	19.5
	750 to 999 miles	9.3	10.8	10.7
	1,000 to 1,499 miles	14.1	16.5	15.4
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	14.4	16.4	15.5

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
316	**Leather and allied product manufacturing**			
	Total	**5.6**	**10.2**	**13.1**
	Less than 50 miles	21.5	29.3	21.5
	50 to 99 miles	16.8	38.1	37.8
	100 to 249 miles	21.6	26.5	23.5
	250 to 499 miles	15.3	32.7	30.6
	500 to 749 miles	13.9	29.4	30.7
	750 to 999 miles	16.9	28.1	30.6
	1,000 to 1,499 miles	11.6	19.0	19.7
	1,500 to 1,999 miles	12.4	24.9	27.5
	2,000 miles or more	19.2	19.0	19.5
321	**Wood product manufacturing**			
	Total	**5.3**	**10.3**	**5.8**
	Less than 50 miles	11.1	18.4	21.4
	50 to 99 miles	7.4	12.6	13.6
	100 to 249 miles	6.1	10.0	11.1
	250 to 499 miles	4.3	8.1	9.9
	500 to 749 miles	7.5	9.0	8.6
	750 to 999 miles	10.4	9.0	9.0
	1,000 to 1,499 miles	7.1	8.5	8.0
	1,500 to 1,999 miles	6.4	6.5	6.9
	2,000 miles or more	19.0	15.4	15.3
322	**Paper manufacturing**			
	Total	**2.4**	**4.4**	**3.9**
	Less than 50 miles	3.5	4.9	5.2
	50 to 99 miles	7.3	8.4	9.0
	100 to 249 miles	5.3	8.3	8.5
	250 to 499 miles	4.1	4.1	4.2
	500 to 749 miles	3.6	6.1	6.8
	750 to 999 miles	2.8	3.4	3.6
	1,000 to 1,499 miles	3.4	4.1	3.6
	1,500 to 1,999 miles	7.4	8.9	8.9
	2,000 miles or more	7.5	9.2	9.1
323	**Printing and related support activities**			
	Total	**2.5**	**7.5**	**10.0**
	Less than 50 miles	4.9	6.1	9.6
	50 to 99 miles	14.2	13.8	14.5
	100 to 249 miles	4.4	15.1	13.7
	250 to 499 miles	4.9	8.5	8.6
	500 to 749 miles	6.0	11.8	11.5
	750 to 999 miles	5.6	11.9	12.2
	1,000 to 1,499 miles	4.9	16.4	15.4
	1,500 to 1,999 miles	13.5	11.0	11.1
	2,000 miles or more	11.0	28.1	28.4
324	**Petroleum and coal products manufacturing**			
	Total	**4.3**	**4.1**	**10.2**
	Less than 50 miles	5.9	4.9	7.5
	50 to 99 miles	13.5	13.6	13.8
	100 to 249 miles	11.2	10.7	10.5
	250 to 499 miles	11.2	13.1	12.8
	500 to 749 miles	23.6	24.7	23.2
	750 to 999 miles	24.8	28.7	29.3
	1,000 to 1,499 miles	11.6	16.4	16.0
	1,500 to 1,999 miles	33.4	45.1	S
	2,000 miles or more	30.5	37.6	35.6
325	**Chemical manufacturing**			
	Total	**2.1**	**3.8**	**5.6**
	Less than 50 miles	4.0	4.3	6.9
	50 to 99 miles	7.0	5.3	5.7
	100 to 249 miles	3.1	7.2	7.2
	250 to 499 miles	4.7	6.1	5.7
	500 to 749 miles	5.6	10.1	12.6
	750 to 999 miles	4.7	5.7	5.8
	1,000 to 1,499 miles	4.1	10.1	10.0
	1,500 to 1,999 miles	6.2	18.5	19.6
	2,000 miles or more	7.9	12.2	11.7
326	**Plastics and rubber products manufacturing**			
	Total	**2.6**	**4.9**	**3.8**
	Less than 50 miles	5.3	12.7	15.6
	50 to 99 miles	10.2	12.6	13.4
	100 to 249 miles	3.6	3.9	3.5
	250 to 499 miles	4.2	7.9	8.1
	500 to 749 miles	3.3	4.0	4.1
	750 to 999 miles	7.2	10.5	10.1
	1,000 to 1,499 miles	4.2	7.0	7.0
	1,500 to 1,999 miles	7.1	8.2	8.7
	2,000 miles or more	5.6	8.9	8.9

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
327	**Nonmetallic mineral product manufacturing**			
	Total	**2.2**	**2.6**	**4.9**
	Less than 50 miles	2.3	3.3	4.5
	50 to 99 miles	4.0	4.6	4.6
	100 to 249 miles	3.9	5.7	5.4
	250 to 499 miles	4.3	7.7	8.5
	500 to 749 miles	3.7	9.0	10.1
	750 to 999 miles	8.1	8.4	8.6
	1,000 to 1,499 miles	10.1	10.2	10.3
	1,500 to 1,999 miles	15.9	9.8	9.9
	2,000 miles or more	11.5	15.1	15.4
331	**Primary metal manufacturing**			
	Total	**1.8**	**6.9**	**3.8**
	Less than 50 miles	6.4	26.4	24.1
	50 to 99 miles	6.5	11.0	11.4
	100 to 249 miles	8.9	10.2	10.4
	250 to 499 miles	3.6	4.8	5.6
	500 to 749 miles	4.0	6.8	7.4
	750 to 999 miles	7.1	16.0	19.3
	1,000 to 1,499 miles	7.4	12.1	12.9
	1,500 to 1,999 miles	13.4	13.4	13.6
	2,000 miles or more	14.2	33.9	32.5
332	**Fabricated metal product manufacturing**			
	Total	**2.1**	**4.4**	**4.2**
	Less than 50 miles	4.0	5.8	4.5
	50 to 99 miles	3.3	6.0	6.5
	100 to 249 miles	3.8	6.7	6.6
	250 to 499 miles	2.8	9.9	10.0
	500 to 749 miles	3.2	5.1	5.1
	750 to 999 miles	6.1	7.6	8.2
	1,000 to 1,499 miles	3.9	7.8	7.4
	1,500 to 1,999 miles	4.8	8.5	8.9
	2,000 miles or more	4.3	9.2	9.1
333	**Machinery manufacturing**			
	Total	**2.8**	**4.7**	**5.1**
	Less than 50 miles	6.8	13.6	11.6
	50 to 99 miles	6.6	12.0	12.4
	100 to 249 miles	4.8	7.5	8.6
	250 to 499 miles	4.6	4.7	4.6
	500 to 749 miles	2.8	3.7	3.8
	750 to 999 miles	5.7	8.6	8.6
	1,000 to 1,499 miles	5.7	10.5	11.7
	1,500 to 1,999 miles	4.5	10.4	10.6
	2,000 miles or more	4.7	9.3	8.5
334	**Computer and electronic product manufacturing**			
	Total	**4.1**	**14.5**	**9.1**
	Less than 50 miles	5.9	31.0	25.7
	50 to 99 miles	11.9	22.2	21.6
	100 to 249 miles	5.8	25.6	22.5
	250 to 499 miles	3.9	16.5	20.5
	500 to 749 miles	9.9	13.0	12.5
	750 to 999 miles	10.9	12.5	14.5
	1,000 to 1,499 miles	11.4	14.9	14.6
	1,500 to 1,999 miles	12.2	15.9	16.3
	2,000 miles or more	5.6	13.4	13.1
335	**Electrical equipment, appliance, and component manufacturing**			
	Total	**3.7**	**6.3**	**5.7**
	Less than 50 miles	11.5	17.4	16.3
	50 to 99 miles	7.3	9.4	9.6
	100 to 249 miles	4.1	15.7	13.2
	250 to 499 miles	7.3	7.2	7.9
	500 to 749 miles	7.2	8.2	7.6
	750 to 999 miles	6.1	5.4	5.4
	1,000 to 1,499 miles	4.1	8.6	8.7
	1,500 to 1,999 miles	5.1	15.7	16.5
	2,000 miles or more	7.8	9.3	9.7
336	**Transportation equipment manufacturing**			
	Total	**3.8**	**6.0**	**5.9**
	Less than 50 miles	4.9	9.4	9.7
	50 to 99 miles	11.4	19.6	15.8
	100 to 249 miles	8.6	8.4	8.9
	250 to 499 miles	5.4	5.6	5.4
	500 to 749 miles	8.3	8.5	8.4
	750 to 999 miles	16.4	13.5	13.0
	1,000 to 1,499 miles	8.0	7.1	7.0
	1,500 to 1,999 miles	21.4	16.2	16.1
	2,000 miles or more	30.9	20.3	18.8

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
337	**Furniture and related product manufacturing**			
	Total	**3.6**	**3.5**	**5.7**
	Less than 50 miles	4.3	10.3	14.5
	50 to 99 miles	6.6	11.8	14.5
	100 to 249 miles	7.9	7.0	6.9
	250 to 499 miles	6.3	6.5	6.6
	500 to 749 miles	8.7	7.4	7.5
	750 to 999 miles	5.9	12.9	16.0
	1,000 to 1,499 miles	8.6	12.8	12.5
	1,500 to 1,999 miles	9.2	17.1	17.2
	2,000 miles or more	12.2	24.6	24.5
339	**Miscellaneous manufacturing**			
	Total	**2.6**	**14.7**	**10.2**
	Less than 50 miles	6.3	27.3	24.3
	50 to 99 miles	9.8	26.6	28.4
	100 to 249 miles	5.3	S	S
	250 to 499 miles	6.9	15.7	15.0
	500 to 749 miles	4.5	7.5	7.6
	750 to 999 miles	8.8	11.1	12.3
	1,000 to 1,499 miles	7.1	9.6	9.4
	1,500 to 1,999 miles	5.2	23.5	23.5
	2,000 miles or more	8.0	15.8	15.3
42	**Wholesale trade**			
	Total	**1.5**	**3.6**	**5.1**
	Less than 50 miles	2.2	4.7	5.5
	50 to 99 miles	3.4	5.3	5.5
	100 to 249 miles	1.6	2.8	3.6
	250 to 499 miles	2.0	7.4	7.7
	500 to 749 miles	2.5	5.1	6.5
	750 to 999 miles	2.6	16.5	20.1
	1,000 to 1,499 miles	3.6	11.2	10.7
	1,500 to 1,999 miles	5.8	9.2	10.4
	2,000 miles or more	2.6	7.9	7.4
423	**Merchant wholesalers, durable goods**			
	Total	**1.2**	**7.1**	**8.2**
	Less than 50 miles	2.3	10.7	10.5
	50 to 99 miles	2.4	5.2	5.2
	100 to 249 miles	2.4	3.0	3.7
	250 to 499 miles	3.7	6.4	7.3
	500 to 749 miles	3.2	11.4	9.9
	750 to 999 miles	4.0	18.1	18.6
	1,000 to 1,499 miles	5.2	28.4	26.8
	1,500 to 1,999 miles	8.0	15.9	15.5
	2,000 miles or more	4.0	17.2	16.5
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**			
	Total	**4.1**	**6.8**	**15.2**
	Less than 50 miles	3.6	7.5	8.4
	50 to 99 miles	7.8	11.4	10.6
	100 to 249 miles	6.5	7.4	8.0
	250 to 499 miles	8.9	14.7	14.2
	500 to 749 miles	10.5	47.9	43.2
	750 to 999 miles	9.8	6.1	6.1
	1,000 to 1,499 miles	13.6	13.5	13.7
	1,500 to 1,999 miles	19.2	26.0	26.1
	2,000 miles or more	22.5	48.7	47.3
4232	**Furniture and home furnishing merchant wholesalers**			
	Total	**4.7**	**15.0**	**27.4**
	Less than 50 miles	5.0	5.8	8.0
	50 to 99 miles	6.7	14.2	13.9
	100 to 249 miles	10.4	13.5	13.9
	250 to 499 miles	11.8	20.2	22.0
	500 to 749 miles	9.3	S	S
	750 to 999 miles	12.6	17.8	16.9
	1,000 to 1,499 miles	13.9	16.5	15.7
	1,500 to 1,999 miles	13.5	31.1	32.7
	2,000 miles or more	11.6	26.6	26.6
4233	**Lumber and other construction materials merchant wholesalers**			
	Total	**3.0**	**16.7**	**15.1**
	Less than 50 miles	3.8	20.7	19.4
	50 to 99 miles	4.6	9.9	9.0
	100 to 249 miles	5.6	15.1	18.2
	250 to 499 miles	14.2	27.6	32.6
	500 to 749 miles	10.2	20.1	21.5
	750 to 999 miles	14.5	46.8	43.1
	1,000 to 1,499 miles	12.1	20.8	22.4
	1,500 to 1,999 miles	22.5	41.2	42.0
	2,000 miles or more	27.1	32.8	33.0

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4234	**Professional and commercial equipment and supplies merchant wholesalers**			
	Total	**2.1**	**6.6**	**9.8**
	Less than 50 miles	2.5	4.9	6.3
	50 to 99 miles	7.2	4.9	5.5
	100 to 249 miles	5.1	14.1	14.5
	250 to 499 miles	5.5	12.5	11.3
	500 to 749 miles	10.0	15.1	15.4
	750 to 999 miles	8.5	30.2	29.4
	1,000 to 1,499 miles	9.3	19.6	20.1
	1,500 to 1,999 miles	8.5	8.7	8.7
	2,000 miles or more	5.9	12.6	12.6
4235	**Metal and mineral (except petroleum) merchant wholesalers**			
	Total	**3.5**	**7.1**	**24.3**
	Less than 50 miles	4.8	7.1	8.2
	50 to 99 miles	6.2	7.9	7.5
	100 to 249 miles	4.6	5.2	4.7
	250 to 499 miles	8.2	9.7	9.9
	500 to 749 miles	10.4	15.5	16.9
	750 to 999 miles	9.3	26.8	26.5
	1,000 to 1,499 miles	15.3	S	S
	1,500 to 1,999 miles	17.2	35.0	34.3
	2,000 miles or more	28.0	26.9	27.0
4236	**Electrical and electronic goods merchant wholesalers**			
	Total	**4.8**	**6.9**	**5.6**
	Less than 50 miles	6.8	10.3	18.2
	50 to 99 miles	4.8	13.7	12.0
	100 to 249 miles	7.8	8.4	8.7
	250 to 499 miles	8.7	12.0	11.4
	500 to 749 miles	14.5	19.2	19.6
	750 to 999 miles	9.7	13.1	12.1
	1,000 to 1,499 miles	15.1	11.8	12.3
	1,500 to 1,999 miles	10.9	12.0	12.5
	2,000 miles or more	5.4	9.3	10.0
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**			
	Total	**3.4**	**2.6**	**7.4**
	Less than 50 miles	3.6	3.4	4.5
	50 to 99 miles	6.1	9.3	9.2
	100 to 249 miles	5.5	6.5	6.5
	250 to 499 miles	6.8	7.6	7.4
	500 to 749 miles	7.5	9.0	9.7
	750 to 999 miles	14.4	11.0	11.0
	1,000 to 1,499 miles	12.1	27.7	28.9
	1,500 to 1,999 miles	13.3	16.3	16.0
	2,000 miles or more	16.2	21.1	21.8
4238	**Machinery, equipment, and supplies merchant wholesalers**			
	Total	**2.0**	**8.9**	**6.9**
	Less than 50 miles	4.2	17.3	12.7
	50 to 99 miles	4.4	11.1	11.4
	100 to 249 miles	4.3	8.5	8.2
	250 to 499 miles	5.8	16.1	12.6
	500 to 749 miles	6.4	11.2	11.3
	750 to 999 miles	10.0	13.8	14.2
	1,000 to 1,499 miles	7.3	11.4	10.9
	1,500 to 1,999 miles	9.9	25.5	24.6
	2,000 miles or more	8.8	18.4	17.9
4239	**Miscellaneous durable goods merchant wholesalers**			
	Total	**4.6**	**8.1**	**6.8**
	Less than 50 miles	12.3	12.7	16.5
	50 to 99 miles	8.3	8.3	8.7
	100 to 249 miles	3.5	7.8	8.5
	250 to 499 miles	5.0	7.9	7.8
	500 to 749 miles	9.0	8.2	9.3
	750 to 999 miles	4.2	31.7	33.4
	1,000 to 1,499 miles	12.5	20.3	20.9
	1,500 to 1,999 miles	6.0	16.0	16.6
	2,000 miles or more	14.4	17.9	19.3
424	**Merchant wholesalers, nondurable goods**			
	Total	**2.1**	**3.8**	**7.7**
	Less than 50 miles	3.0	5.1	5.4
	50 to 99 miles	4.8	6.1	6.6
	100 to 249 miles	3.8	4.9	6.2
	250 to 499 miles	4.5	10.1	10.0
	500 to 749 miles	3.4	8.0	9.6
	750 to 999 miles	7.7	24.4	28.6
	1,000 to 1,499 miles	2.7	13.2	13.5
	1,500 to 1,999 miles	3.7	13.8	18.5
	2,000 miles or more	8.5	8.7	8.4

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4241	**Paper and paper product merchant wholesalers**			
	Total	**3.3**	**4.6**	**10.4**
	Less than 50 miles	5.0	3.9	5.0
	50 to 99 miles	7.7	9.5	9.6
	100 to 249 miles	5.1	10.1	11.4
	250 to 499 miles	5.7	18.3	17.3
	500 to 749 miles	8.3	21.9	22.2
	750 to 999 miles	11.2	17.0	16.7
	1,000 to 1,499 miles	13.7	16.3	16.2
	1,500 to 1,999 miles	19.1	14.0	13.2
	2,000 miles or more	28.4	24.8	25.9
4242	**Drugs and druggists' sundries merchant wholesalers**			
	Total	**5.4**	**9.2**	**16.0**
	Less than 50 miles	11.8	15.4	17.0
	50 to 99 miles	13.2	17.8	14.8
	100 to 249 miles	12.5	22.8	22.6
	250 to 499 miles	10.9	9.3	8.8
	500 to 749 miles	10.0	21.1	20.7
	750 to 999 miles	15.3	20.5	19.0
	1,000 to 1,499 miles	11.3	14.2	14.4
	1,500 to 1,999 miles	16.3	23.0	23.5
	2,000 miles or more	13.4	33.5	33.6
4243	**Apparel, piece goods, and notions merchant wholesalers**			
	Total	**6.5**	**14.9**	**19.3**
	Less than 50 miles	7.3	15.4	13.0
	50 to 99 miles	17.5	33.4	33.1
	100 to 249 miles	18.8	27.4	27.2
	250 to 499 miles	14.7	25.4	26.3
	500 to 749 miles	7.8	12.3	12.2
	750 to 999 miles	11.5	35.3	31.7
	1,000 to 1,499 miles	6.8	9.8	8.7
	1,500 to 1,999 miles	11.2	14.0	13.9
	2,000 miles or more	10.0	37.0	38.3
4244	**Grocery and related product merchant wholesalers**			
	Total	**2.3**	**5.2**	**5.2**
	Less than 50 miles	3.2	6.5	6.4
	50 to 99 miles	6.6	7.7	7.9
	100 to 249 miles	3.1	4.4	4.1
	250 to 499 miles	3.7	7.2	8.0
	500 to 749 miles	7.3	5.8	5.7
	750 to 999 miles	12.7	15.3	15.3
	1,000 to 1,499 miles	10.6	8.4	8.5
	1,500 to 1,999 miles	9.1	21.5	22.3
	2,000 miles or more	11.2	13.2	13.0
4245	**Farm product raw material merchant wholesalers**			
	Total	**5.8**	**7.6**	**14.3**
	Less than 50 miles	7.0	8.3	13.1
	50 to 99 miles	16.0	18.3	18.6
	100 to 249 miles	10.9	13.9	16.0
	250 to 499 miles	19.2	12.1	10.0
	500 to 749 miles	10.6	11.6	12.2
	750 to 999 miles	26.3	38.2	41.7
	1,000 to 1,499 miles	14.2	20.1	20.3
	1,500 to 1,999 miles	19.7	34.0	45.7
	2,000 miles or more	28.2	21.9	24.2
4246	**Chemical and allied products merchant wholesalers**			
	Total	**7.5**	**8.7**	**14.2**
	Less than 50 miles	10.0	13.1	13.1
	50 to 99 miles	11.9	26.1	26.9
	100 to 249 miles	12.3	10.7	9.6
	250 to 499 miles	16.9	19.6	22.6
	500 to 749 miles	13.8	37.1	42.5
	750 to 999 miles	13.5	20.7	19.9
	1,000 to 1,499 miles	13.3	11.6	11.3
	1,500 to 1,999 miles	19.4	22.6	22.0
	2,000 miles or more	22.6	11.1	11.3
4247	**Petroleum and petroleum products merchant wholesalers**			
	Total	**3.5**	**5.6**	**15.7**
	Less than 50 miles	4.8	7.3	6.2
	50 to 99 miles	7.9	7.3	6.5
	100 to 249 miles	10.6	13.1	17.6
	250 to 499 miles	18.8	29.2	29.6
	500 to 749 miles	33.7	S	S
	750 to 999 miles	19.9	13.5	13.5
	1,000 to 1,499 miles	33.2	26.7	26.1
	1,500 to 1,999 miles	23.7	26.6	28.0
	2,000 miles or more	33.0	37.6	38.3

See footnotes at end of table.

Table B-12.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**			
	Total	**3.5**	**4.4**	**7.7**
	Less than 50 miles	4.2	5.0	5.8
	50 to 99 miles	7.6	7.7	7.7
	100 to 249 miles	11.9	10.4	12.0
	250 to 499 miles	15.7	22.0	22.1
	500 to 749 miles	24.4	38.7	39.4
	750 to 999 miles	18.1	18.6	18.1
	1,000 to 1,499 miles	18.5	19.4	19.8
	1,500 to 1,999 miles	30.8	32.3	32.3
	2,000 miles or more	27.4	24.2	24.4
4249	**Miscellaneous nondurable goods merchant wholesalers**			
	Total	**3.5**	**12.1**	**11.3**
	Less than 50 miles	5.7	18.2	18.4
	50 to 99 miles	3.0	10.9	11.6
	100 to 249 miles	5.6	10.9	11.8
	250 to 499 miles	5.6	14.5	14.9
	500 to 749 miles	8.4	13.9	15.2
	750 to 999 miles	10.9	35.1	29.6
	1,000 to 1,499 miles	10.0	38.0	42.6
	1,500 to 1,999 miles	10.8	27.5	28.2
	2,000 miles or more	17.4	14.8	14.9
4541	**Electronic shopping and mail-order houses**			
	Total	**5.1**	**12.6**	**7.7**
	Less than 50 miles	12.4	25.4	31.1
	50 to 99 miles	12.6	22.2	45.0
	100 to 249 miles	8.7	16.5	15.6
	250 to 499 miles	5.0	12.8	12.0
	500 to 749 miles	6.3	8.9	8.6
	750 to 999 miles	9.5	17.6	15.9
	1,000 to 1,499 miles	5.7	11.2	10.4
	1,500 to 1,999 miles	8.4	13.3	13.8
	2,000 miles or more	8.4	10.4	10.5
45431	**Fuel dealers**			
	Total	**2.5**	**2.5**	**7.1**
	Less than 50 miles	2.6	2.4	2.8
	50 to 99 miles	16.0	16.0	17.1
	100 to 249 miles	17.2	26.8	33.7
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	44.2	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4931[4]	**Warehousing and storage**			
	Total	**3.5**	**7.8**	**4.3**
	Less than 50 miles	6.6	13.8	13.2
	50 to 99 miles	7.0	4.8	4.9
	100 to 249 miles	6.6	8.5	9.3
	250 to 499 miles	7.1	7.5	7.0
	500 to 749 miles	7.7	14.4	17.0
	750 to 999 miles	7.0	6.4	6.6
	1,000 to 1,499 miles	14.9	11.8	11.6
	1,500 to 1,999 miles	22.8	14.3	14.0
	2,000 miles or more	12.5	16.4	16.4
5111	**Newspaper, periodical, book, and directory publishers**			
	Total	**7.1**	**15.9**	**22.3**
	Less than 50 miles	14.1	21.9	16.8
	50 to 99 miles	15.2	12.2	12.4
	100 to 249 miles	26.2	24.1	28.4
	250 to 499 miles	17.7	15.5	16.9
	500 to 749 miles	22.5	S	S
	750 to 999 miles	22.6	30.9	28.9
	1,000 to 1,499 miles	18.2	26.1	25.6
	1,500 to 1,999 miles	27.3	29.0	28.8
	2,000 miles or more	37.6	39.6	39.5
551114	**Corporate, subsidiary, and regional managing offices**			
	Total	**11.2**	**14.8**	**40.6**
	Less than 50 miles	9.2	22.2	17.9
	50 to 99 miles	26.8	22.7	21.6
	100 to 249 miles	24.6	24.0	25.4
	250 to 499 miles	18.1	22.0	20.7
	500 to 749 miles	15.6	37.6	38.3
	750 to 999 miles	12.7	25.5	25.2
	1,000 to 1,499 miles	15.0	S	S
	1,500 to 1,999 miles	34.4	S	S
	2,000 miles or more	26.9	S	S

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
212	**Mining (except oil and gas)**				
	Total	**3.1**	**2.6**	**9.7**	**3.0**
	Less than 50 lbs.	37.8	34.9	37.4	S
	50 to 99 lbs.	40.6	47.4	29.7	S
	100 to 499 lbs.	32.4	22.6	18.6	30.9
	500 to 749 lbs.	24.5	20.8	28.3	48.4
	750 to 999 lbs.	S	31.6	46.0	34.2
	1,000 to 9,999 lbs.	36.8	6.0	15.5	12.3
	10,000 to 49,999 lbs.	6.5	4.7	6.3	3.6
	50,000 to 99,999 lbs.	5.6	4.9	6.4	4.8
	100,000 lbs. or more	4.9	5.0	10.8	4.7
31–33	**Manufacturing**				
	Total	**0.7**	**1.6**	**1.1**	**2.0**
	Less than 50 lbs.	2.0	3.5	2.5	2.6
	50 to 99 lbs.	4.3	3.2	3.5	1.7
	100 to 499 lbs.	1.9	2.5	2.8	1.6
	500 to 749 lbs.	4.2	3.3	4.3	1.2
	750 to 999 lbs.	5.4	3.5	3.9	1.9
	1,000 to 9,999 lbs.	2.9	1.4	2.2	1.4
	10,000 to 49,999 lbs.	1.4	1.9	1.5	1.7
	50,000 to 99,999 lbs.	9.2	7.2	5.2	3.2
	100,000 lbs. or more	2.9	2.8	2.8	2.3
311	**Food manufacturing**				
	Total	**2.4**	**4.3**	**4.6**	**10.8**
	Less than 50 lbs.	22.4	26.1	11.5	26.9
	50 to 99 lbs.	16.9	15.5	18.2	18.3
	100 to 499 lbs.	6.7	6.7	9.1	11.5
	500 to 749 lbs.	10.4	7.0	9.3	7.3
	750 to 999 lbs.	5.4	8.3	8.2	10.8
	1,000 to 9,999 lbs.	4.6	5.7	5.1	6.4
	10,000 to 49,999 lbs.	2.6	3.3	3.8	4.3
	50,000 to 99,999 lbs.	11.2	13.7	8.1	9.0
	100,000 lbs. or more	4.6	7.5	10.0	3.5
312	**Beverage and tobacco product manufacturing**				
	Total	**7.0**	**2.7**	**4.3**	**14.4**
	Less than 50 lbs.	42.2	34.2	S	12.6
	50 to 99 lbs.	21.4	23.2	17.0	29.7
	100 to 499 lbs.	14.1	10.2	13.3	16.1
	500 to 749 lbs.	20.5	21.3	14.8	15.5
	750 to 999 lbs.	8.5	17.2	20.7	23.6
	1,000 to 9,999 lbs.	14.3	10.9	11.8	15.6
	10,000 to 49,999 lbs.	8.0	3.0	3.5	3.5
	50,000 to 99,999 lbs.	7.5	6.6	13.9	11.1
	100,000 lbs. or more	19.0	17.5	30.8	14.5
313	**Textile mills**				
	Total	**4.9**	**4.4**	**6.0**	**3.8**
	Less than 50 lbs.	10.9	9.4	8.5	7.0
	50 to 99 lbs.	14.9	13.8	14.8	9.9
	100 to 499 lbs.	11.3	13.8	11.9	6.6
	500 to 749 lbs.	11.4	14.5	9.7	10.5
	750 to 999 lbs.	12.6	12.4	12.1	10.4
	1,000 to 9,999 lbs.	7.3	6.2	6.3	6.8
	10,000 to 49,999 lbs.	5.3	5.2	7.1	2.9
	50,000 to 99,999 lbs.	31.9	30.4	31.0	S
	100,000 lbs. or more	23.7	42.1	41.8	S
314	**Textile product mills**				
	Total	**9.1**	**18.9**	**19.1**	**4.7**
	Less than 50 lbs.	5.5	5.5	9.1	5.6
	50 to 99 lbs.	7.1	8.6	12.9	5.4
	100 to 499 lbs.	6.4	10.6	19.3	8.6
	500 to 749 lbs.	12.5	13.4	25.0	11.9
	750 to 999 lbs.	10.7	13.1	22.6	13.9
	1,000 to 9,999 lbs.	7.8	10.9	10.8	6.5
	10,000 to 49,999 lbs.	21.6	25.8	33.0	11.3
	50,000 to 99,999 lbs.	30.1	24.3	23.8	44.7
	100,000 lbs. or more	S	S	29.8	S
315	**Apparel manufacturing**				
	Total	**18.1**	**17.1**	**36.7**	**4.5**
	Less than 50 lbs.	9.6	8.5	13.1	5.0
	50 to 99 lbs.	18.1	14.9	21.2	9.5
	100 to 499 lbs.	15.5	12.5	15.4	8.0
	500 to 749 lbs.	15.0	15.4	24.3	15.2
	750 to 999 lbs.	21.7	15.4	28.4	18.2
	1,000 to 9,999 lbs.	17.4	20.2	20.1	20.0
	10,000 to 49,999 lbs.	S	32.5	S	21.4
	50,000 to 99,999 lbs.	22.8	21.5	S	S
	100,000 lbs. or more	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
316	**Leather and allied product manufacturing**				
	Total	**5.6**	**10.2**	**13.1**	**3.8**
	Less than 50 lbs.	8.6	13.6	15.0	3.8
	50 to 99 lbs.	11.4	14.3	20.5	7.2
	100 to 499 lbs.	19.7	15.8	17.3	13.4
	500 to 749 lbs.	19.2	21.3	21.3	9.3
	750 to 999 lbs.	27.8	25.1	35.5	16.1
	1,000 to 9,999 lbs.	20.7	32.5	39.2	10.5
	10,000 to 49,999 lbs.	10.2	14.2	18.2	6.7
	50,000 to 99,999 lbs.	29.2	21.7	32.4	24.8
	100,000 lbs. or more	37.6	38.4	S	30.7
321	**Wood product manufacturing**				
	Total	**5.3**	**10.3**	**5.8**	**4.8**
	Less than 50 lbs.	12.7	9.6	16.4	6.4
	50 to 99 lbs.	7.6	7.0	10.0	7.5
	100 to 499 lbs.	6.9	5.7	9.1	7.9
	500 to 749 lbs.	11.5	8.6	11.6	8.1
	750 to 999 lbs.	10.2	6.7	19.2	13.9
	1,000 to 9,999 lbs.	4.8	6.0	8.1	6.1
	10,000 to 49,999 lbs.	5.1	6.9	7.1	3.7
	50,000 to 99,999 lbs.	16.1	19.4	12.7	11.9
	100,000 lbs. or more	4.5	15.0	9.9	6.0
322	**Paper manufacturing**				
	Total	**2.4**	**4.4**	**3.9**	**5.7**
	Less than 50 lbs.	19.1	19.5	21.7	5.2
	50 to 99 lbs.	19.8	8.1	13.4	7.7
	100 to 499 lbs.	6.2	7.5	8.0	7.0
	500 to 749 lbs.	7.3	6.5	9.0	6.6
	750 to 999 lbs.	7.7	7.4	10.0	8.7
	1,000 to 9,999 lbs.	5.1	3.5	4.2	5.0
	10,000 to 49,999 lbs.	2.4	3.2	3.0	2.2
	50,000 to 99,999 lbs.	23.0	22.9	18.4	7.1
	100,000 lbs. or more	9.6	9.9	9.4	2.9
323	**Printing and related support activities**				
	Total	**2.5**	**7.5**	**10.0**	**5.8**
	Less than 50 lbs.	4.6	6.3	5.3	6.1
	50 to 99 lbs.	3.7	7.6	13.3	5.5
	100 to 499 lbs.	2.3	4.3	8.5	6.3
	500 to 749 lbs.	22.4	6.2	7.6	7.8
	750 to 999 lbs.	7.7	7.1	7.6	5.7
	1,000 to 9,999 lbs.	5.5	13.9	13.8	4.6
	10,000 to 49,999 lbs.	7.5	9.4	13.1	7.3
	50,000 to 99,999 lbs.	12.1	16.1	26.9	21.0
	100,000 lbs. or more	39.4	45.1	S	S
324	**Petroleum and coal products manufacturing**				
	Total	**4.3**	**4.1**	**10.2**	**10.9**
	Less than 50 lbs.	S	20.3	20.1	9.4
	50 to 99 lbs.	50.0	35.9	25.5	20.6
	100 to 499 lbs.	26.6	34.5	29.7	14.5
	500 to 749 lbs.	22.3	28.3	33.0	7.9
	750 to 999 lbs.	23.9	34.5	13.2	35.9
	1,000 to 9,999 lbs.	21.2	6.5	14.0	23.2
	10,000 to 49,999 lbs.	5.5	11.6	11.2	11.3
	50,000 to 99,999 lbs.	7.3	9.2	8.7	8.4
	100,000 lbs. or more	5.3	5.9	12.8	9.4
325	**Chemical manufacturing**				
	Total	**2.1**	**3.8**	**5.6**	**3.7**
	Less than 50 lbs.	9.7	20.3	21.0	4.0
	50 to 99 lbs.	9.5	10.1	18.1	7.0
	100 to 499 lbs.	6.9	10.8	7.3	8.8
	500 to 749 lbs.	19.7	11.2	7.8	8.0
	750 to 999 lbs.	16.4	9.9	12.6	6.0
	1,000 to 9,999 lbs.	5.9	5.4	3.6	5.5
	10,000 to 49,999 lbs.	3.0	4.4	4.7	1.4
	50,000 to 99,999 lbs.	3.7	6.0	9.1	7.6
	100,000 lbs. or more	6.8	5.9	8.1	2.1
326	**Plastics and rubber products manufacturing**				
	Total	**2.6**	**4.9**	**3.8**	**4.3**
	Less than 50 lbs.	7.5	10.1	14.0	5.4
	50 to 99 lbs.	4.8	7.3	11.2	4.7
	100 to 499 lbs.	3.5	5.5	7.7	3.3
	500 to 749 lbs.	5.7	7.7	10.5	4.5
	750 to 999 lbs.	7.0	7.5	7.6	4.5
	1,000 to 9,999 lbs.	2.9	4.1	4.3	5.1
	10,000 to 49,999 lbs.	4.2	2.4	4.1	3.2
	50,000 to 99,999 lbs.	17.3	22.3	18.2	26.8
	100,000 lbs. or more	46.1	S	S	32.7

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
327	**Nonmetallic mineral product manufacturing**				
	Total	**2.2**	**2.6**	**4.9**	**5.9**
	Less than 50 lbs.	9.1	16.4	12.0	11.0
	50 to 99 lbs.	20.1	16.4	10.8	19.8
	100 to 499 lbs.	9.3	12.8	11.4	17.8
	500 to 749 lbs.	9.2	7.8	10.9	11.6
	750 to 999 lbs.	12.5	8.7	11.8	10.0
	1,000 to 9,999 lbs.	7.5	3.4	8.0	9.6
	10,000 to 49,999 lbs.	2.0	4.9	4.3	5.8
	50,000 to 99,999 lbs.	6.4	8.6	8.4	4.9
	100,000 lbs. or more	6.3	11.1	10.8	9.3
331	**Primary metal manufacturing**				
	Total	**1.8**	**6.9**	**3.8**	**7.5**
	Less than 50 lbs.	16.5	20.3	26.6	8.0
	50 to 99 lbs.	16.5	13.3	25.5	12.2
	100 to 499 lbs.	13.7	8.5	6.9	5.7
	500 to 749 lbs.	17.0	9.6	5.7	4.5
	750 to 999 lbs.	8.5	8.4	9.6	6.0
	1,000 to 9,999 lbs.	4.5	9.4	9.1	3.4
	10,000 to 49,999 lbs.	2.7	10.6	4.7	6.6
	50,000 to 99,999 lbs.	8.5	9.6	8.5	9.7
	100,000 lbs. or more	5.0	5.5	6.3	5.0
332	**Fabricated metal product manufacturing**				
	Total	**2.1**	**4.4**	**4.2**	**3.9**
	Less than 50 lbs.	5.2	9.3	5.2	6.2
	50 to 99 lbs.	4.3	4.3	4.1	4.7
	100 to 499 lbs.	4.3	4.5	6.1	5.2
	500 to 749 lbs.	5.3	5.6	5.8	1.5
	750 to 999 lbs.	6.5	7.1	6.5	4.7
	1,000 to 9,999 lbs.	3.2	3.3	2.9	2.6
	10,000 to 49,999 lbs.	3.0	5.6	4.9	2.8
	50,000 to 99,999 lbs.	10.2	9.0	14.4	12.4
	100,000 lbs. or more	9.0	16.0	18.8	7.9
333	**Machinery manufacturing**				
	Total	**2.8**	**4.7**	**5.1**	**2.0**
	Less than 50 lbs.	3.9	6.5	7.7	2.3
	50 to 99 lbs.	5.0	9.2	10.3	4.8
	100 to 499 lbs.	2.3	5.8	6.3	2.5
	500 to 749 lbs.	8.6	6.3	8.7	3.9
	750 to 999 lbs.	5.5	6.4	5.6	5.3
	1,000 to 9,999 lbs.	2.7	5.3	5.6	2.2
	10,000 to 49,999 lbs.	5.1	6.4	5.3	3.0
	50,000 to 99,999 lbs.	11.1	13.3	14.4	5.3
	100,000 lbs. or more	24.4	22.4	31.9	10.1
334	**Computer and electronic product manufacturing**				
	Total	**4.1**	**14.5**	**9.1**	**2.4**
	Less than 50 lbs.	5.9	4.8	4.9	2.7
	50 to 99 lbs.	9.7	8.8	8.0	3.3
	100 to 499 lbs.	4.6	6.4	7.3	2.9
	500 to 749 lbs.	19.4	9.2	9.2	8.6
	750 to 999 lbs.	24.7	11.3	9.3	7.5
	1,000 to 9,999 lbs.	4.1	9.8	12.9	5.3
	10,000 to 49,999 lbs.	16.1	27.5	16.0	9.6
	50,000 to 99,999 lbs.	46.9	13.0	27.4	24.0
	100,000 lbs. or more	S	38.6	S	28.4
335	**Electrical equipment, appliance, and component manufacturing**				
	Total	**3.7**	**6.3**	**5.7**	**1.6**
	Less than 50 lbs.	9.1	8.1	8.6	1.9
	50 to 99 lbs.	7.8	9.9	13.0	4.6
	100 to 499 lbs.	5.1	7.4	9.4	1.8
	500 to 749 lbs.	8.9	9.0	9.0	5.8
	750 to 999 lbs.	8.0	6.3	8.1	3.7
	1,000 to 9,999 lbs.	5.9	5.7	6.8	2.9
	10,000 to 49,999 lbs.	4.4	7.5	7.6	3.9
	50,000 to 99,999 lbs.	22.3	21.0	18.6	17.0
	100,000 lbs. or more	28.3	18.0	19.8	10.6
336	**Transportation equipment manufacturing**				
	Total	**3.8**	**6.0**	**5.9**	**4.1**
	Less than 50 lbs.	11.1	10.3	11.6	2.0
	50 to 99 lbs.	14.8	7.6	14.2	8.4
	100 to 499 lbs.	8.1	17.9	11.7	10.8
	500 to 749 lbs.	8.7	14.7	21.5	6.9
	750 to 999 lbs.	8.1	13.7	18.6	6.3
	1,000 to 9,999 lbs.	9.9	7.7	9.7	4.1
	10,000 to 49,999 lbs.	6.7	6.0	7.8	6.6
	50,000 to 99,999 lbs.	49.2	18.2	35.5	17.9
	100,000 lbs. or more	17.3	15.3	32.2	17.7

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
337	**Furniture and related product manufacturing**				
	Total	**3.6**	**3.5**	**5.7**	**4.4**
	Less than 50 lbs.	8.4	6.5	6.8	6.6
	50 to 99 lbs.	7.5	8.4	10.9	7.7
	100 to 499 lbs.	5.1	8.9	9.5	3.8
	500 to 749 lbs.	5.7	7.0	10.4	10.1
	750 to 999 lbs.	4.0	8.7	14.6	7.3
	1,000 to 9,999 lbs.	4.0	5.3	6.1	3.7
	10,000 to 49,999 lbs.	11.7	8.2	10.9	5.4
	50,000 to 99,999 lbs.	9.6	20.5	26.2	22.2
	100,000 lbs. or more	27.7	32.3	42.9	24.1
339	**Miscellaneous manufacturing**				
	Total	**2.6**	**14.7**	**10.2**	**2.5**
	Less than 50 lbs.	5.0	5.2	6.7	2.4
	50 to 99 lbs.	11.5	6.5	5.2	4.0
	100 to 499 lbs.	6.4	6.5	12.5	6.3
	500 to 749 lbs.	5.5	8.8	20.2	8.3
	750 to 999 lbs.	14.0	8.0	9.0	6.6
	1,000 to 9,999 lbs.	3.6	8.4	9.8	2.9
	10,000 to 49,999 lbs.	8.7	17.1	18.8	8.6
	50,000 to 99,999 lbs.	42.3	44.1	36.7	23.3
	100,000 lbs. or more	S	S	S	S
42	**Wholesale trade**				
	Total	**1.5**	**3.6**	**5.1**	**2.9**
	Less than 50 lbs.	2.5	4.4	4.1	3.4
	50 to 99 lbs.	3.8	1.7	3.2	3.7
	100 to 499 lbs.	1.9	1.5	3.5	3.0
	500 to 749 lbs.	1.9	2.1	2.7	3.5
	750 to 999 lbs.	4.8	2.7	3.3	3.0
	1,000 to 9,999 lbs.	1.9	3.6	2.8	2.4
	10,000 to 49,999 lbs.	2.2	5.3	4.3	3.2
	50,000 to 99,999 lbs.	5.7	5.7	6.0	6.5
	100,000 lbs. or more	17.3	15.5	10.9	11.1
423	**Merchant wholesalers, durable goods**				
	Total	**1.2**	**7.1**	**8.2**	**4.1**
	Less than 50 lbs.	2.4	5.5	4.6	4.4
	50 to 99 lbs.	3.3	2.3	4.0	3.8
	100 to 499 lbs.	1.5	1.2	4.6	3.8
	500 to 749 lbs.	2.0	2.5	3.8	3.2
	750 to 999 lbs.	7.2	5.1	3.7	5.2
	1,000 to 9,999 lbs.	2.5	2.1	4.3	2.0
	10,000 to 49,999 lbs.	3.0	12.2	8.1	7.9
	50,000 to 99,999 lbs.	8.0	13.4	10.8	18.7
	100,000 lbs. or more	9.0	12.9	21.9	9.0
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	Total	**4.1**	**6.8**	**15.2**	**8.3**
	Less than 50 lbs.	6.9	16.8	16.0	8.6
	50 to 99 lbs.	7.3	8.3	13.4	8.7
	100 to 499 lbs.	4.3	3.7	14.5	12.5
	500 to 749 lbs.	6.6	8.3	15.2	8.2
	750 to 999 lbs.	19.0	9.9	7.5	11.9
	1,000 to 9,999 lbs.	10.5	7.4	14.6	6.8
	10,000 to 49,999 lbs.	12.8	19.4	22.7	16.0
	50,000 to 99,999 lbs.	43.7	42.8	S	38.0
	100,000 lbs. or more	S	S	S	46.3
4232	**Furniture and home furnishing merchant wholesalers**				
	Total	**4.7**	**15.0**	**27.4**	**6.0**
	Less than 50 lbs.	8.5	15.1	20.3	7.6
	50 to 99 lbs.	8.0	10.7	19.2	9.3
	100 to 499 lbs.	5.6	7.6	9.6	9.2
	500 to 749 lbs.	5.4	7.2	11.9	10.0
	750 to 999 lbs.	11.9	9.6	15.3	15.5
	1,000 to 9,999 lbs.	5.3	7.5	15.6	7.4
	10,000 to 49,999 lbs.	15.1	22.2	39.7	11.2
	50,000 to 99,999 lbs.	44.1	40.6	S	S
	100,000 lbs. or more	S	S	S	33.1
4233	**Lumber and other construction materials merchant wholesalers**				
	Total	**3.0**	**16.7**	**15.1**	**8.6**
	Less than 50 lbs.	13.4	11.4	15.9	12.4
	50 to 99 lbs.	15.3	9.6	9.9	8.4
	100 to 499 lbs.	7.7	5.5	8.3	7.8
	500 to 749 lbs.	5.5	6.8	7.8	10.7
	750 to 999 lbs.	6.5	6.5	5.8	10.3
	1,000 to 9,999 lbs.	4.8	4.2	6.2	5.4
	10,000 to 49,999 lbs.	4.9	28.4	12.4	16.6
	50,000 to 99,999 lbs.	9.8	23.3	17.1	14.0
	100,000 lbs. or more	21.3	39.2	32.9	35.2

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	Total	**2.1**	**6.6**	**9.8**	**6.0**
	Less than 50 lbs.	5.3	6.4	7.6	6.3
	50 to 99 lbs.	6.9	8.1	7.5	6.7
	100 to 499 lbs.	4.0	6.8	6.9	4.9
	500 to 749 lbs.	8.4	6.4	13.7	12.1
	750 to 999 lbs.	14.2	5.7	11.6	10.2
	1,000 to 9,999 lbs.	6.5	4.9	11.8	7.9
	10,000 to 49,999 lbs.	11.8	16.0	26.8	15.4
	50,000 to 99,999 lbs.	31.1	31.5	49.4	S
	100,000 lbs. or more	S	S	S	S
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	Total	**3.5**	**7.1**	**24.3**	**7.9**
	Less than 50 lbs.	12.5	5.6	12.5	10.9
	50 to 99 lbs.	9.2	6.2	10.4	15.0
	100 to 499 lbs.	6.2	7.6	9.2	7.2
	500 to 749 lbs.	12.6	10.4	9.9	6.6
	750 to 999 lbs.	8.4	8.2	8.4	6.0
	1,000 to 9,999 lbs.	5.0	5.6	9.3	6.9
	10,000 to 49,999 lbs.	4.3	6.0	5.2	3.7
	50,000 to 99,999 lbs.	18.9	17.9	11.7	11.6
	100,000 lbs. or more	27.0	26.6	48.9	15.6
4236	**Electrical and electronic goods merchant wholesalers**				
	Total	**4.8**	**6.9**	**5.6**	**6.3**
	Less than 50 lbs.	6.0	5.1	8.9	6.4
	50 to 99 lbs.	10.3	5.8	11.8	6.5
	100 to 499 lbs.	5.9	5.5	7.9	6.5
	500 to 749 lbs.	10.6	7.0	10.2	9.6
	750 to 999 lbs.	9.9	10.5	15.4	15.5
	1,000 to 9,999 lbs.	6.0	7.1	9.4	8.2
	10,000 to 49,999 lbs.	10.4	14.9	11.1	10.8
	50,000 to 99,999 lbs.	35.8	33.7	S	S
	100,000 lbs. or more	47.2	45.8	S	25.2
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	Total	**3.4**	**2.6**	**7.4**	**7.1**
	Less than 50 lbs.	4.8	4.8	9.8	7.5
	50 to 99 lbs.	5.8	4.4	9.2	6.6
	100 to 499 lbs.	4.1	3.1	14.1	10.8
	500 to 749 lbs.	5.4	3.1	15.6	14.6
	750 to 999 lbs.	7.0	5.3	25.3	20.1
	1,000 to 9,999 lbs.	2.4	3.7	8.6	9.1
	10,000 to 49,999 lbs.	9.4	9.8	7.7	6.6
	50,000 to 99,999 lbs.	40.2	31.2	27.7	42.7
	100,000 lbs. or more	35.1	S	S	S
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	Total	**2.0**	**8.9**	**6.9**	**5.6**
	Less than 50 lbs.	2.2	4.0	4.8	5.9
	50 to 99 lbs.	3.7	5.5	15.6	13.3
	100 to 499 lbs.	2.3	3.8	4.0	5.3
	500 to 749 lbs.	4.7	7.9	10.6	10.7
	750 to 999 lbs.	4.7	9.1	5.8	10.1
	1,000 to 9,999 lbs.	4.9	6.3	9.6	10.6
	10,000 to 49,999 lbs.	4.5	17.2	11.3	15.2
	50,000 to 99,999 lbs.	16.5	15.4	19.2	16.6
	100,000 lbs. or more	19.6	22.0	S	29.2
4239	**Miscellaneous durable goods merchant wholesalers**				
	Total	**4.6**	**8.1**	**6.8**	**5.1**
	Less than 50 lbs.	7.1	9.2	10.6	4.4
	50 to 99 lbs.	7.3	12.7	22.5	10.4
	100 to 499 lbs.	12.3	17.3	12.9	5.0
	500 to 749 lbs.	16.9	44.8	21.8	30.0
	750 to 999 lbs.	21.5	49.9	24.4	35.0
	1,000 to 9,999 lbs.	11.4	23.9	10.9	21.7
	10,000 to 49,999 lbs.	9.7	5.5	9.9	6.9
	50,000 to 99,999 lbs.	21.7	18.6	15.5	21.8
	100,000 lbs. or more	12.1	15.9	10.5	11.5
424	**Merchant wholesalers, nondurable goods**				
	Total	**2.1**	**3.8**	**7.7**	**5.4**
	Less than 50 lbs.	5.0	6.9	6.7	6.3
	50 to 99 lbs.	8.0	4.2	4.5	6.9
	100 to 499 lbs.	4.1	2.5	3.2	4.8
	500 to 749 lbs.	4.7	2.8	2.4	4.1
	750 to 999 lbs.	6.0	3.9	7.2	5.6
	1,000 to 9,999 lbs.	2.9	5.1	3.5	2.1
	10,000 to 49,999 lbs.	2.5	3.0	5.7	2.7
	50,000 to 99,999 lbs.	6.1	5.3	6.6	8.0
	100,000 lbs. or more	19.7	18.6	13.7	12.3

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4241	**Paper and paper product merchant wholesalers**				
	Total	**3.3**	**4.6**	**10.4**	**10.1**
	Less than 50 lbs.	8.5	6.5	14.9	9.4
	50 to 99 lbs.	11.4	5.0	8.3	9.9
	100 to 499 lbs.	5.0	5.3	12.4	13.4
	500 to 749 lbs.	6.6	7.5	15.1	11.8
	750 to 999 lbs.	8.2	6.4	14.9	10.4
	1,000 to 9,999 lbs.	6.1	6.2	8.7	8.7
	10,000 to 49,999 lbs.	5.2	8.2	13.3	9.3
	50,000 to 99,999 lbs.	24.1	19.7	25.6	19.7
	100,000 lbs. or more	32.7	42.2	37.1	S
4242	**Drugs and druggists' sundries merchant wholesalers**				
	Total	**5.4**	**9.2**	**16.0**	**6.7**
	Less than 50 lbs.	7.0	20.1	12.1	7.0
	50 to 99 lbs.	13.1	13.6	15.5	18.0
	100 to 499 lbs.	9.5	22.4	14.0	12.4
	500 to 749 lbs.	17.2	16.0	17.8	17.3
	750 to 999 lbs.	20.3	25.0	39.0	30.4
	1,000 to 9,999 lbs.	18.9	9.6	15.8	18.6
	10,000 to 49,999 lbs.	17.3	21.4	29.0	15.4
	50,000 to 99,999 lbs.	34.7	35.7	S	48.1
	100,000 lbs. or more	S	16.9	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	Total	**6.5**	**14.9**	**19.3**	**6.5**
	Less than 50 lbs.	7.9	6.6	10.4	6.4
	50 to 99 lbs.	11.7	11.3	12.6	9.3
	100 to 499 lbs.	10.5	12.3	15.9	6.6
	500 to 749 lbs.	15.6	12.1	14.5	10.6
	750 to 999 lbs.	33.5	26.4	20.8	17.0
	1,000 to 9,999 lbs.	10.7	12.7	11.2	8.7
	10,000 to 49,999 lbs.	14.1	14.2	12.9	6.6
	50,000 to 99,999 lbs.	S	42.4	S	S
	100,000 lbs. or more	42.0	48.7	S	40.2
4244	**Grocery and related product merchant wholesalers**				
	Total	**2.3**	**5.2**	**5.2**	**9.5**
	Less than 50 lbs.	11.0	10.0	16.0	22.5
	50 to 99 lbs.	9.6	8.6	8.6	9.1
	100 to 499 lbs.	3.5	4.4	2.2	5.5
	500 to 749 lbs.	3.1	4.3	3.7	3.5
	750 to 999 lbs.	2.5	4.2	3.5	3.6
	1,000 to 9,999 lbs.	3.7	4.9	4.4	4.2
	10,000 to 49,999 lbs.	3.0	6.2	6.7	4.4
	50,000 to 99,999 lbs.	6.6	18.5	10.7	24.0
	100,000 lbs. or more	18.8	31.7	44.9	19.6
4245	**Farm product raw material merchant wholesalers**				
	Total	**5.8**	**7.6**	**14.3**	**22.1**
	Less than 50 lbs.	S	29.0	S	19.7
	50 to 99 lbs.	34.2	23.4	32.6	40.9
	100 to 499 lbs.	30.2	28.8	27.2	S
	500 to 749 lbs.	28.1	31.3	32.8	S
	750 to 999 lbs.	31.8	25.3	42.9	S
	1,000 to 9,999 lbs.	22.8	16.2	21.2	21.7
	10,000 to 49,999 lbs.	13.0	11.3	17.0	12.3
	50,000 to 99,999 lbs.	6.4	7.8	14.6	7.4
	100,000 lbs. or more	7.7	10.5	16.3	12.1
4246	**Chemical and allied products merchant wholesalers**				
	Total	**7.5**	**8.7**	**14.2**	**10.9**
	Less than 50 lbs.	11.1	8.8	18.0	14.0
	50 to 99 lbs.	10.3	10.0	20.1	18.0
	100 to 499 lbs.	9.0	9.1	11.9	13.9
	500 to 749 lbs.	15.1	18.9	11.1	20.2
	750 to 999 lbs.	10.3	12.1	10.1	12.9
	1,000 to 9,999 lbs.	10.6	16.2	12.2	13.4
	10,000 to 49,999 lbs.	10.9	13.9	11.2	11.8
	50,000 to 99,999 lbs.	20.7	20.2	31.6	16.3
	100,000 lbs. or more	31.1	33.1	S	25.5
4247	**Petroleum and petroleum products merchant wholesalers**				
	Total	**3.5**	**5.6**	**15.7**	**8.6**
	Less than 50 lbs.	18.8	17.6	27.7	18.9
	50 to 99 lbs.	34.4	21.2	42.4	13.8
	100 to 499 lbs.	18.7	15.3	29.4	13.8
	500 to 749 lbs.	17.4	16.2	21.2	8.8
	750 to 999 lbs.	17.0	14.8	19.1	9.6
	1,000 to 9,999 lbs.	13.3	14.9	18.5	8.8
	10,000 to 49,999 lbs.	4.4	5.8	19.8	11.1
	50,000 to 99,999 lbs.	7.0	6.5	9.2	12.6
	100,000 lbs. or more	40.4	50.0	36.7	36.3

See footnotes at end of table.

Table B-13.

Estimated Coefficients of Variation for Shipment Characteristics by NAICS[1] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	Total	**3.5**	**4.4**	**7.7**	**8.1**
	Less than 50 lbs.	12.6	8.3	19.4	25.4
	50 to 99 lbs.	8.0	4.9	10.5	10.4
	100 to 499 lbs.	7.7	4.6	5.8	6.3
	500 to 749 lbs.	6.2	4.4	3.6	2.0
	750 to 999 lbs.	5.2	5.1	5.0	4.5
	1,000 to 9,999 lbs.	5.0	5.7	7.7	3.8
	10,000 to 49,999 lbs.	8.4	8.4	12.8	13.7
	50,000 to 99,999 lbs.	31.5	28.7	46.9	25.8
	100,000 lbs. or more	S	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	Total	**3.5**	**12.1**	**11.3**	**6.7**
	Less than 50 lbs.	7.1	4.6	9.6	7.7
	50 to 99 lbs.	6.4	6.4	8.1	7.3
	100 to 499 lbs.	5.5	4.7	9.0	10.6
	500 to 749 lbs.	6.0	7.3	7.8	9.2
	750 to 999 lbs.	11.3	8.1	11.1	11.4
	1,000 to 9,999 lbs.	4.4	7.9	11.7	8.9
	10,000 to 49,999 lbs.	7.6	7.6	3.7	8.7
	50,000 to 99,999 lbs.	14.7	17.3	11.0	19.2
	100,000 lbs. or more	22.8	38.9	26.4	20.5
4541	**Electronic shopping and mail-order houses**				
	Total	**5.1**	**12.6**	**7.7**	**2.4**
	Less than 50 lbs.	6.4	7.1	8.8	2.0
	50 to 99 lbs.	16.3	16.0	12.2	17.0
	100 to 499 lbs.	16.1	27.1	13.2	25.3
	500 to 749 lbs.	19.8	22.8	36.2	16.2
	750 to 999 lbs.	24.8	33.6	28.4	S
	1,000 to 9,999 lbs.	18.3	22.7	30.4	28.9
	10,000 to 49,999 lbs.	36.0	S	S	23.2
	50,000 to 99,999 lbs.	32.8	S	S	S
	100,000 lbs. or more	S	S	S	S
45431	**Fuel dealers**				
	Total	**2.5**	**2.5**	**7.1**	**1.8**
	Less than 50 lbs.	32.5	13.6	17.9	8.6
	50 to 99 lbs.	9.5	8.8	12.1	6.0
	100 to 499 lbs.	5.9	4.9	3.5	3.4
	500 to 749 lbs.	5.2	5.0	4.9	3.1
	750 to 999 lbs.	4.1	4.3	4.8	2.5
	1,000 to 9,999 lbs.	3.5	3.5	4.5	1.8
	10,000 to 49,999 lbs.	8.0	6.5	25.9	16.7
	50,000 to 99,999 lbs.	38.8	41.6	32.8	32.1
	100,000 lbs. or more	28.3	24.4	23.5	29.7
4931[3]	**Warehousing and storage**				
	Total	**3.5**	**7.8**	**4.3**	**4.5**
	Less than 50 lbs.	11.3	19.7	17.8	5.2
	50 to 99 lbs.	15.7	14.4	20.5	8.3
	100 to 499 lbs.	10.6	14.2	23.1	10.5
	500 to 749 lbs.	12.9	10.7	26.3	15.1
	750 to 999 lbs.	11.2	11.0	16.1	10.1
	1,000 to 9,999 lbs.	8.9	3.4	6.3	6.7
	10,000 to 49,999 lbs.	5.8	6.2	6.8	4.4
	50,000 to 99,999 lbs.	26.5	30.1	12.9	40.2
	100,000 lbs. or more	24.9	37.6	34.2	36.2
5111	**Newspaper, periodical, book, and directory publishers**				
	Total	**7.1**	**15.9**	**22.3**	**S**
	Less than 50 lbs.	9.9	24.0	13.2	S
	50 to 99 lbs.	14.4	29.5	14.8	43.5
	100 to 499 lbs.	21.0	29.5	22.6	38.3
	500 to 749 lbs.	26.3	29.8	32.4	44.7
	750 to 999 lbs.	29.8	47.2	S	31.4
	1,000 to 9,999 lbs.	9.8	9.1	20.9	17.4
	10,000 to 49,999 lbs.	17.5	28.7	43.1	31.7
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	32.1	30.6	42.5	S
551114	**Corporate, subsidiary, and regional managing offices**				
	Total	**11.2**	**14.8**	**40.6**	**7.7**
	Less than 50 lbs.	13.4	12.5	14.8	10.2
	50 to 99 lbs.	17.7	23.7	39.0	15.6
	100 to 499 lbs.	15.0	27.0	23.2	18.9
	500 to 749 lbs.	15.1	31.2	36.2	34.6
	750 to 999 lbs.	21.8	22.7	37.1	30.7
	1,000 to 9,999 lbs.	12.0	23.7	23.7	25.1
	10,000 to 49,999 lbs.	23.8	24.9	S	24.0
	50,000 to 99,999 lbs.	48.5	S	36.3	S
	100,000 lbs. or more	19.1	20.0	45.2	22.6

S Withheld because estimate did not meet publication standards.

[1] NAICS codes shown are those covered in the Commodity Flow Survey.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-14.

Estimated Coefficients of Variation for Shipment Characteristics by Origin State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Origin state	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
Total	**1.1**	**1.8**	**3.7**	**3.4**
Alabama	5.9	7.3	6.9	6.2
Alaska	18.1	15.9	16.0	14.4
Arizona	6.9	9.9	10.7	9.3
Arkansas	6.1	7.6	9.7	6.3
California	2.9	3.3	7.4	8.2
Colorado	6.3	8.2	9.2	10.5
Connecticut	14.6	22.2	34.6	5.4
Delaware	18.0	20.6	15.8	17.2
District of Columbia	18.4	27.2	S	S
Florida	4.3	14.4	10.9	8.1
Georgia	4.1	12.3	5.4	6.5
Hawaii	15.8	19.4	S	14.8
Idaho	10.1	14.2	17.5	15.9
Illinois	4.1	4.7	7.8	4.4
Indiana	4.8	5.6	4.7	7.6
Iowa	4.3	8.3	10.3	15.5
Kansas	9.3	15.0	40.6	5.5
Kentucky	5.8	19.0	22.8	5.5
Louisiana	8.1	9.2	12.1	10.1
Maine	8.9	16.9	15.0	13.9
Maryland	15.6	6.8	8.6	23.0
Massachusetts	11.9	25.0	13.4	8.9
Michigan	4.3	6.5	8.8	8.3
Minnesota	4.1	11.9	13.5	10.7
Mississippi	15.9	25.4	11.5	5.6
Missouri	6.6	6.2	8.8	6.0
Montana	10.9	18.8	20.1	10.1
Nebraska	7.0	16.4	24.2	11.1
Nevada	11.2	21.2	7.2	8.7
New Hampshire	6.7	19.2	22.3	12.3
New Jersey	4.9	12.1	7.9	10.0
New Mexico	20.0	29.5	13.8	12.6
New York	3.7	6.2	5.9	10.8
North Carolina	4.1	6.2	5.8	7.9
North Dakota	10.3	17.7	12.1	35.4
Ohio	4.5	6.1	5.4	4.6
Oklahoma	11.3	15.8	21.1	12.4
Oregon	6.6	15.4	10.0	8.4
Pennsylvania	5.4	7.0	9.1	4.6
Rhode Island	13.4	18.9	18.6	17.6
South Carolina	4.8	6.4	6.9	8.3
South Dakota	29.7	11.4	17.6	25.6
Tennessee	5.1	9.0	8.3	3.4
Texas	4.8	7.6	7.3	6.4
Utah	9.2	15.1	22.7	7.2
Vermont	11.5	25.4	12.3	10.9
Virginia	5.7	4.2	7.8	10.8
Washington	7.4	11.1	5.4	10.5
West Virginia	8.0	13.6	17.5	11.7
Wisconsin	4.1	11.6	9.6	4.7
Wyoming	16.1	19.6	19.6	18.5

S Withheld because estimate did not meet publication standards.

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-15.

Estimated Coefficients of Variation for Shipment Characteristics by Destination State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Destination state	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[1]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
Total	**1.1**	**1.8**	**3.7**	**3.4**
Alabama	6.4	5.6	8.3	5.8
Alaska	9.3	14.1	8.1	7.8
Arizona	5.3	9.4	8.5	6.4
Arkansas	4.9	10.2	13.3	5.3
California	1.9	4.1	9.5	3.6
Colorado	6.5	6.2	8.7	3.4
Connecticut	18.6	27.1	15.7	10.2
Delaware	13.6	17.9	12.9	27.6
District of Columbia	7.1	10.5	10.5	10.2
Florida	2.6	12.6	12.5	6.4
Georgia	2.7	8.7	9.9	7.6
Hawaii	11.3	16.6	10.7	10.4
Idaho	5.3	11.6	9.8	9.0
Illinois	3.2	5.6	8.5	9.5
Indiana	4.6	7.5	14.4	4.8
Iowa	5.2	9.0	10.0	7.0
Kansas	7.5	7.7	10.0	6.5
Kentucky	5.0	12.2	11.4	6.6
Louisiana	5.7	8.5	10.1	4.6
Maine	6.1	13.4	9.7	7.6
Maryland	3.7	5.0	11.7	20.4
Massachusetts	9.9	18.9	10.8	5.9
Michigan	2.4	7.3	8.7	4.3
Minnesota	6.8	8.7	7.6	4.2
Mississippi	5.6	23.8	16.4	5.9
Missouri	4.2	8.3	16.4	4.1
Montana	7.9	15.2	24.9	3.9
Nebraska	6.1	12.8	8.6	7.6
Nevada	3.3	15.2	7.8	5.4
New Hampshire	12.3	18.4	13.2	3.6
New Jersey	3.9	9.6	8.2	12.1
New Mexico	9.8	21.4	14.7	5.0
New York	2.0	5.5	5.2	5.6
North Carolina	3.2	6.7	12.4	5.4
North Dakota	7.8	18.4	11.5	21.5
Ohio	3.5	6.1	4.5	3.7
Oklahoma	5.2	10.6	12.1	4.3
Oregon	6.1	12.2	9.1	7.3
Pennsylvania	2.7	5.0	6.5	9.0
Rhode Island	9.6	13.5	21.1	12.4
South Carolina	4.3	7.9	12.4	5.0
South Dakota	12.0	14.3	10.2	12.9
Tennessee	3.0	8.6	5.7	4.8
Texas	4.2	7.3	8.8	4.4
Utah	5.0	6.1	4.9	4.2
Vermont	6.3	18.8	5.5	10.0
Virginia	7.8	10.6	13.4	9.0
Washington	6.4	10.5	7.1	4.6
West Virginia	6.5	11.5	23.9	6.1
Wisconsin	2.9	7.5	8.8	4.3
Wyoming	9.2	17.1	9.7	9.7

[1] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-16.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
All modes	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**	**6.0**
Single modes	**2.7**	**0.8**	**2.2**	**0.2**	**2.1**	**0.3**	**5.4**
Truck[3]	2.9	0.7	2.3	0.7	2.6	1.2	4.6
For-hire truck	4.7	1.0	4.8	1.7	3.0	1.2	7.0
Private truck	3.0	1.2	3.8	1.7	2.7	0.5	2.7
Rail	9.9	0.2	10.6	0.4	8.0	1.0	8.1
Water	21.5	0.1	27.5	0.3	39.8	0.7	14.6
Inland water	34.2	0.1	30.6	0.3	S	S	24.7
Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deep sea	20.7	Z	12.6	Z	22.5	0.1	14.6
Multiple waterways	30.6	Z	44.8	0.1	27.4	0.1	32.1
Air (includes truck and air)	7.4	0.1	37.2	0.1	46.8	0.4	11.1
Pipeline[4]	33.2	Z	29.4	0.1	S	S	S
Multiple modes	**10.9**	**0.8**	**17.1**	**0.2**	**8.4**	**0.3**	**6.4**
Parcel, U.S. Postal Service, or courier	11.7	0.8	15.7	Z	16.9	Z	6.6
Truck and rail	14.8	0.1	11.6	0.1	11.4	0.3	34.5
Truck and water	19.4	Z	22.9	Z	16.1	0.1	17.5
Rail and water	S	S	S	S	48.0	0.3	S
Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

S Withheld because estimate did not meet publication standards
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[4] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-17.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Total Modal Activity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Mode of transportation[2]	Ton-miles[3]		Average miles per shipment—coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	
Total	**2.1**	**0.0**	**5.8**
Truck[4]	2.5	1.3	4.6
Rail	6.5	0.9	13.2
Inland water	43.7	0.7	35.1
Great Lakes	S	S	36.3
Deep sea	17.3	0.2	13.1
Air (includes truck and air)	S	S	13.3
Pipeline[5]	S	S	S
Parcel, U.S. Postal Service, or courier	16.9	Z	6.8
Other modes	0.0	0.0	0.0

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Estimates represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving only by truck plus ton-miles for truck segments of multiple mode shipments.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-18.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Distance shipped[2] (based on Great Circle Distance)	Value		Tons		Ton-miles[3]	
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total
Total	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**
Less than 50 miles	4.5	0.6	4.2	1.3	4.8	0.2
50 to 99 miles	8.3	0.8	4.4	0.5	4.4	0.1
100 to 249 miles	3.1	0.5	3.7	0.5	3.9	0.4
250 to 499 miles	3.9	0.6	2.5	0.4	4.1	0.7
500 to 749 miles	3.8	0.2	6.8	0.3	6.1	0.7
750 to 999 miles	4.8	0.2	6.5	0.2	6.2	0.7
1,000 to 1,499 miles	4.8	0.2	4.7	0.2	5.4	0.9
1,500 to 1,999 miles	6.6	0.2	6.9	0.1	7.4	0.7
2,000 miles or more	6.5	0.1	5.4	0.1	5.3	0.6

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-19.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Shipment weight	Value		Tons		Ton-miles[2]		Average miles per shipment— coefficient of variation of number
	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
Total	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**	**6.0**
Less than 50 lbs.	8.0	0.5	8.4	Z	12.6	Z	10.6
50 to 99 lbs.	13.6	0.3	10.1	Z	15.2	Z	14.0
100 to 499 lbs.	6.8	0.5	5.7	0.1	6.1	Z	6.7
500 to 749 lbs.	7.9	0.2	3.6	0.1	4.7	Z	3.5
750 to 999 lbs.	6.5	0.1	2.5	Z	3.4	Z	3.4
1,000 to 9,999 lbs.	5.4	0.8	4.0	0.7	3.2	0.4	3.0
10,000 to 49,999 lbs.	2.5	1.0	2.3	1.1	2.6	0.9	2.6
50,000 to 99,999 lbs.	15.8	0.4	14.5	1.3	12.2	0.5	9.7
100,000 lbs. or more	7.1	0.2	10.8	0.8	7.5	1.3	8.5

Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-20.

Estimates Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[3]	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**	**6.0**
01	Live animals and live fish	32.0	Z	29.3	Z	S	S	29.2
02	Cereal grains (includes seed)	S	S	S	S	S	S	16.2
03	Agricultural products (excludes animal feed, cereal grains, and forage products)	7.1	0.2	5.7	0.4	11.4	1.1	21.0
04	Animal feed, eggs, honey, and other products of animal origin	15.6	0.1	23.0	0.3	27.5	0.3	19.5
05	Meat, poultry, fish, seafood, and their preparations	3.4	0.7	3.3	0.5	4.0	0.7	8.9
06	Milled grain products and preparations and bakery products	8.8	0.3	10.2	0.4	14.0	0.7	10.6
07-R[4]	Other prepared foodstuffs and fats and oils	4.6	0.6	4.3	0.8	6.9	1.6	10.3
08-R[5]	Alcoholic beverages, and denatured alcohol	10.0	0.1	17.2	0.3	21.7	0.5	14.5
09	Tobacco products	21.6	Z	21.1	Z	23.1	Z	8.8
10	Monumental or building stone	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Natural sands	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Gravel and crushed stone (excludes dolomite and slate)	S	S	41.7	Z	S	S	28.2
13	Other nonmetallic minerals, n.e.c.	30.0	Z	37.8	Z	32.1	Z	S
14	Metallic ores and concentrates	S	S	S	S	S	S	5.3
15	Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-R[6]	Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)	19.9	Z	20.2	0.1	35.6	0.2	S
18-R[7]	Fuel oils (includes diesel, Bunker C, and biodiesel)	S	S	S	S	S	S	27.9
19	Other coal and petroleum products, n.e.c.	15.4	0.3	11.1	1.3	11.0	0.6	10.6
20	Basic chemicals	11.0	0.3	15.1	1.0	22.4	2.0	9.7
21	Pharmaceutical products	9.7	1.3	13.1	Z	15.6	0.1	5.0
22	Fertilizers	29.6	0.1	21.0	0.4	27.6	0.8	15.5
23	Chemical products and preparations, n.e.c.	11.5	0.1	14.0	0.1	12.4	0.2	13.9
24	Plastics and rubber	18.2	Z	27.4	Z	32.3	0.1	8.2
25	Logs and other wood in the rough	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	Wood products	S	S	S	S	S	S	S
27	Pulp, newsprint, paper, and paperboard	34.1	Z	S	S	S	S	S
28	Paper or paperboard articles	31.5	Z	22.6	Z	37.5	Z	24.5
29	Printed products	S	S	S	S	44.1	Z	38.4
30	Textiles, leather, and articles of textiles or leather	34.7	Z	36.0	Z	35.9	Z	37.1
31	Nonmetallic mineral products	22.3	Z	33.0	0.1	31.1	Z	22.5
32	Base metal in primary or semifinished forms and in finished basic shapes	40.1	Z	S	S	40.5	Z	S
33	Articles of base metal	S	S	S	S	S	S	26.3
34	Machinery	40.7	Z	S	S	S	S	36.5
35	Electronic and other electrical equipment and components and office equipment	S	S	S	S	S	S	S
36	Motorized and other vehicles (including parts)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	Transportation equipment, n.e.c.	S	S	S	S	S	S	S
38	Precision instruments and apparatus	19.3	Z	30.0	Z	27.4	Z	18.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	45.4	0.1	S	S	S	S	6.5
40	Miscellaneous manufactured products	S	S	28.9	Z	36.8	Z	27.4
41	Waste and scrap	S	S	S	S	S	S	S
43	Mixed freight	3.1	0.7	3.7	0.9	5.1	0.8	5.4
99	Commodity unknown	44.3	Z	S	S	S	S	12.1

S Withheld because estimate did not meet publication standards.

Z Rounds to zero.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[3] Estimates exclude shipments of crude petroleum (SCTG 16).

[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[3]							
	All modes	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**	**6.0**
	Single modes	**2.7**	**0.8**	**2.2**	**0.2**	**2.1**	**0.3**	**5.4**
	Truck[4]	2.9	0.7	2.3	0.7	2.6	1.2	4.6
	For-hire truck	4.7	1.0	4.8	1.7	3.0	1.2	7.0
	Private truck	3.0	1.2	3.8	1.7	2.7	0.5	2.7
	Rail	9.9	0.2	10.6	0.4	8.0	1.0	8.1
	Water	21.5	0.1	27.5	0.3	39.8	0.7	14.6
	Inland water	34.2	0.1	30.6	0.3	S	S	24.7
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	20.7	Z	12.6	Z	22.5	0.1	14.6
	Multiple waterways	30.6	Z	44.8	0.1	27.4	0.1	32.1
	Air (includes truck and air)	7.4	0.1	37.2	0.1	46.8	0.4	11.1
	Pipeline[5]	33.2	Z	29.4	0.1	S	S	S
	Multiple modes	**10.9**	**0.8**	**17.1**	**0.2**	**8.4**	**0.3**	**6.4**
	Parcel, U.S. Postal Service, or courier	11.7	0.8	15.7	Z	16.9	Z	6.6
	Truck and rail	14.8	0.1	11.6	0.1	11.4	0.3	34.5
	Truck and water	19.4	Z	22.9	Z	16.1	0.1	17.5
	Rail and water	S	S	S	S	48.0	0.3	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
01	**Live animals and live fish**							
	All modes	**32.0**	**0.0**	**29.3**	**0.0**	**S**	**S**	**29.2**
	Single modes	**31.8**	**2.0**	**29.3**	**0.9**	**S**	**S**	**34.3**
	Truck[4]	23.5	11.1	30.0	10.0	20.3	22.3	S
	For-hire truck	25.6	9.1	33.2	9.7	35.5	13.4	16.9
	Private truck	29.9	11.8	34.4	11.3	30.9	16.6	43.9
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	13.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**35.9**	**3.8**	**46.9**	**2.1**	**S**	**S**	**32.9**
	Parcel, U.S. Postal Service, or courier	35.9	3.8	46.9	2.1	S	S	32.9
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
02	**Cereal grains (includes seed)**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**16.2**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**16.2**
	Truck[4]	S	S	S	S	S	S	26.3
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	S	S	S	S	S	S	26.3
	Rail	S	S	S	S	S	S	S
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**							
	All modes	**7.1**	**0.0**	**5.7**	**0.0**	**11.4**	**0.0**	**21.0**
	Single modes	**7.2**	**0.3**	**5.7**	**0.1**	**11.3**	**0.2**	**18.9**
	Truck[4]	7.4	0.4	6.1	1.0	11.6	3.5	23.4
	For-hire truck	11.2	2.7	11.9	3.9	12.6	3.2	11.1
	Private truck	7.5	2.5	8.2	3.8	6.8	1.6	6.9
	Rail	46.5	0.6	46.7	2.4	47.5	8.4	6.0
	Water	36.9	Z	42.9	0.1	S	S	31.7
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	36.9	Z	42.9	0.1	S	S	31.7
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	27.3	0.1	29.3	Z	34.1	0.1	18.8
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**34.3**	**0.3**	**34.2**	**0.1**	**36.2**	**0.2**	**23.3**
	Parcel, U.S. Postal Service, or courier	37.4	0.3	43.1	0.1	49.9	0.2	22.6
	Truck and rail	15.1	Z	S	S	S	S	22.3
	Truck and water	43.1	Z	38.9	Z	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
04	**Animal feed, eggs, honey, and other products of animal origin**							
	All modes	**15.6**	**0.0**	**23.0**	**0.0**	**27.5**	**0.0**	**19.5**
	Single modes	**15.4**	**1.1**	**22.0**	**0.9**	**27.5**	**3.3**	**21.0**
	Truck[4]	13.8	2.6	19.1	5.2	16.9	12.4	9.9
	For-hire truck	21.2	3.9	30.7	3.7	16.3	9.9	22.6
	Private truck	17.8	5.3	18.9	5.5	23.2	3.5	11.5
	Rail	S	S	S	S	S	S	S
	Water	S	S	S	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	18.6
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**45.5**	**1.2**	**S**	**S**	**S**	**S**	**32.0**
	Parcel, U.S. Postal Service, or courier	44.0	0.5	S	S	45.8	0.1	21.6
	Truck and rail	47.2	1.8	S	S	S	S	36.8
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
05	**Meat, poultry, fish, seafood, and their preparations**							
	All modes	**3.4**	**0.0**	**3.3**	**0.0**	**4.0**	**0.0**	**8.9**
	Single modes	**3.3**	**0.1**	**3.2**	**0.2**	**4.2**	**0.4**	**9.2**
	Truck[4]	3.3	0.2	3.3	0.3	4.2	0.4	5.9
	For-hire truck	4.3	1.8	4.7	2.0	4.6	0.7	4.1
	Private truck	6.6	1.8	6.6	1.8	6.6	0.5	5.4
	Rail	34.2	0.1	49.1	0.2	S	S	S
	Water	34.6	0.1	35.0	0.1	42.6	0.2	17.9
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	34.7	0.1	35.8	0.1	42.8	0.2	17.9
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	25.0	0.1	19.2	Z	25.4	0.1	19.9
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**20.9**	**0.1**	**32.5**	**0.2**	**25.1**	**0.4**	**15.5**
	Parcel, U.S. Postal Service, or courier	27.0	Z	26.1	Z	31.5	Z	15.1
	Truck and rail	33.7	0.1	45.8	0.3	35.1	0.4	S
	Truck and water	41.6	0.1	S	S	19.7	0.1	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
06	**Milled grain products and preparations and bakery products**							
	All modes	**8.8**	**0.0**	**10.2**	**0.0**	**14.0**	**0.0**	**10.6**
	Single modes	**8.7**	**0.2**	**10.2**	**0.2**	**14.0**	**0.9**	**6.9**
	Truck[4]	8.7	0.3	10.3	0.4	14.1	1.2	6.9
	For-hire truck	11.5	3.8	13.2	4.6	14.8	2.0	10.4
	Private truck	11.8	3.9	14.7	4.6	17.1	1.5	11.5
	Rail	34.3	0.2	43.4	0.5	32.9	0.8	28.1
	Water	44.8	Z	S	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	44.8	Z	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**45.3**	**0.2**	**S**	**S**	**S**	**S**	**16.2**
	Parcel, U.S. Postal Service, or courier	46.3	Z	39.4	Z	39.2	Z	19.6
	Truck and rail	30.9	0.4	39.8	0.5	S	S	S
	Truck and water	S	S	S	S	S	S	43.2
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
07-R[6]	**Other prepared foodstuffs and fats and oils**							
	All modes	**4.6**	**0.0**	**4.3**	**0.0**	**6.9**	**0.0**	**10.3**
	Single modes	**4.6**	**0.2**	**4.3**	**0.4**	**7.1**	**1.2**	**9.2**
	Truck[4]	4.9	0.7	4.5	1.0	7.1	2.1	9.5
	For-hire truck	6.2	1.3	7.3	2.0	7.7	2.1	10.7
	Private truck	3.8	1.0	4.2	1.7	4.9	0.5	7.2
	Rail	24.8	0.6	18.1	0.7	18.6	1.7	8.6
	Water	34.2	0.1	36.2	0.1	21.5	0.1	12.0
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	25.6	Z	24.5	Z	33.1	0.1	15.5
	Multiple waterways	S	S	S	S	S	S	27.8
	Air (includes truck and air)	25.5	Z	25.3	Z	S	S	16.2
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**12.3**	**0.2**	**16.2**	**0.4**	**14.6**	**1.2**	**9.5**
	Parcel, U.S. Postal Service, or courier	29.2	Z	24.2	Z	28.8	Z	12.7
	Truck and rail	15.8	0.2	18.1	0.4	17.6	1.4	10.0
	Truck and water	S	S	48.0	0.1	S	S	22.4
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
08-R[7]	**Alcoholic beverages, and denatured alcohol**							
	All modes	**10.0**	**0.0**	**17.2**	**0.0**	**21.7**	**0.0**	**14.5**
	Single modes	**10.3**	**0.6**	**17.8**	**0.8**	**24.0**	**3.3**	**15.0**
	Truck[4]	10.4	0.7	18.0	1.1	26.5	6.7	15.4
	For-hire truck	15.4	3.4	25.8	4.8	27.1	6.8	32.0
	Private truck	8.4	3.4	9.4	4.5	11.5	0.5	4.6
	Rail	23.3	0.3	29.1	0.7	21.3	4.4	20.3
	Water	42.3	0.2	44.3	0.2	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	42.3	0.2	44.3	0.2	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	42.3	Z	S
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**23.7**	**0.6**	**28.1**	**0.8**	**29.2**	**3.3**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	31.3	0.7	35.4	0.9	30.5	4.1	12.8
	Truck and water	29.5	0.2	34.3	0.2	37.3	0.7	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
09	**Tobacco products**							
	All modes	**21.6**	**0.0**	**21.1**	**0.0**	**23.1**	**0.0**	**8.8**
	Single modes	**21.6**	**Z**	**21.1**	**Z**	**23.1**	**Z**	**8.9**
	Truck[4]	21.6	Z	21.1	Z	23.1	Z	8.9
	For-hire truck	32.7	0.9	36.7	2.3	30.7	5.9	S
	Private truck	21.8	0.7	21.6	1.8	22.6	5.6	8.7
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
10	**Monumental or building stone**							
	All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
11	**Natural sands**							
	All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
12	**Gravel and crushed stone (excludes dolomite and slate)**							
	All modes	**S**	**S**	**41.7**	**0.0**	**S**	**S**	**28.2**
	Single modes	**S**	**S**	**41.7**	**0.0**	**S**	**S**	**28.2**
	Truck[4]	S	S	41.7	0.0	S	S	28.2
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	S	S	41.7	0.0	S	S	28.2
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
13	**Other nonmetallic minerals, n.e.c.**							
	All modes	**30.0**	**0.0**	**37.8**	**0.0**	**32.1**	**0.0**	**S**
	Single modes	**30.0**	**0.0**	**37.8**	**0.0**	**32.1**	**0.0**	**S**
	Truck[4]	30.3	9.2	40.4	13.0	30.6	24.2	S
	For-hire truck	30.5	11.4	40.4	13.0	30.6	24.2	S
	Private truck	S	S	S	S	S	S	S
	Rail	19.6	25.2	14.5	29.2	18.9	3.7	7.4
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
14	**Metallic ores and concentrates**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**5.3**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**5.3**
	Truck[4]	S	S	S	S	S	S	5.3
	For-hire truck	S	S	S	S	S	S	5.3
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
15	**Coal**							
	All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
17-R[8]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**							
	All modes	**19.9**	**0.0**	**20.2**	**0.0**	**35.6**	**0.0**	**S**
	Single modes	**23.0**	**6.4**	**22.9**	**6.0**	**44.4**	**10.7**	**S**
	Truck[4]	33.3	15.1	31.7	15.2	30.5	19.9	10.9
	For-hire truck	49.7	15.1	46.9	15.1	35.3	18.4	S
	Private truck	20.3	14.3	21.8	14.2	38.0	8.1	24.7
	Rail	42.8	16.7	43.0	16.7	40.8	11.4	18.4
	Water	23.5	9.9	23.4	8.7	23.4	28.0	0.0
	Inland water	23.5	9.9	23.4	8.7	23.4	28.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**47.9**	**12.9**	**S**	**S**	**21.2**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	38.4	13.0	44.4	13.1	14.0	10.7	S
	Truck and water	S	S	S	S	S	S	1.5
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
18-R[9]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**27.9**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**27.9**
	Truck[4]	20.3	19.3	21.0	19.5	S	S	34.6
	For-hire truck	36.2	22.6	37.8	22.4	S	S	25.1
	Private truck	37.7	20.0	37.2	20.1	26.6	24.8	28.1
	Rail	S	S	S	S	S	S	S
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
19	**Other coal and petroleum products, n.e.c.**							
	All modes	**15.4**	**0.0**	**11.1**	**0.0**	**11.0**	**0.0**	**10.6**
	Single modes	**15.2**	**0.4**	**10.5**	**1.1**	**11.4**	**1.2**	**10.6**
	Truck[4]	17.0	2.9	11.4	1.7	14.9	4.9	9.3
	For-hire truck	22.1	5.1	18.7	5.4	17.7	5.0	10.3
	Private truck	11.0	3.9	20.2	5.5	13.6	1.8	10.5
	Rail	20.6	2.5	13.5	1.5	18.0	5.7	13.1
	Water	32.2	2.3	31.8	1.3	32.3	1.7	25.5
	Inland water	33.5	1.7	30.9	0.9	31.7	1.6	25.9
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	S	S	S	S	S	S	S
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	36.1	Z	S
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	S	S	S	S	48.0	8.0	S
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
20	**Basic chemicals**							
	All modes	**11.0**	**0.0**	**15.1**	**0.0**	**22.4**	**0.0**	**9.7**
	Single modes	**11.3**	**0.8**	**15.2**	**0.3**	**22.6**	**0.6**	**17.1**
	Truck[4]	14.4	5.8	12.6	4.0	21.3	7.1	19.0
	For-hire truck	17.3	5.1	21.4	2.5	25.4	5.8	8.2
	Private truck	16.1	2.8	10.7	4.6	14.6	3.0	14.4
	Rail	28.0	4.5	35.9	3.0	34.2	5.0	5.1
	Water	39.9	14.7	44.0	7.8	S	S	27.9
	Inland water	39.9	14.7	44.0	7.8	S	S	27.9
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	24.6
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**29.1**	**0.8**	**S**	**S**	**S**	**S**	**14.7**
	Parcel, U.S. Postal Service, or courier	29.4	0.8	26.4	Z	25.7	Z	14.7
	Truck and rail	42.0	Z	S	S	S	S	S
	Truck and water	33.8	0.4	19.4	Z	41.0	0.3	13.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
21	**Pharmaceutical products**							
	All modes	**9.7**	**0.0**	**13.1**	**0.0**	**15.6**	**0.0**	**5.0**
	Single modes	**10.8**	**2.9**	**14.0**	**1.4**	**15.8**	**1.5**	**17.9**
	Truck[4]	11.6	3.0	14.3	2.0	14.8	2.1	16.7
	For-hire truck	13.5	3.5	17.1	5.1	15.8	3.0	18.0
	Private truck	21.3	1.2	24.6	5.2	23.0	1.6	21.0
	Rail	25.9	0.1	36.0	1.5	35.8	3.3	14.2
	Water	S	S	S	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.2	0.7	24.1	0.7	20.7	1.4	9.4
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**11.8**	**2.9**	**12.1**	**1.4**	**19.7**	**1.5**	**6.2**
	Parcel, U.S. Postal Service, or courier	11.8	2.9	12.0	1.4	18.4	1.4	6.2
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	S	S	25.6	0.1	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
22	**Fertilizers**							
	All modes	**29.6**	**0.0**	**21.0**	**0.0**	**27.6**	**0.0**	**15.5**
	Single modes	**29.2**	**1.2**	**20.8**	**1.3**	**28.0**	**4.4**	**13.8**
	Truck[4]	24.9	9.1	18.2	8.0	21.9	4.9	17.5
	For-hire truck	30.8	4.5	24.1	4.3	25.3	4.0	13.1
	Private truck	20.1	6.3	20.1	5.4	15.6	1.5	21.4
	Rail	36.6	8.9	31.8	7.2	29.7	7.1	9.7
	Water	S	S	S	S	S	S	S
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	28.2	3.0	25.6	2.8	S	S	S
	Multiple modes	**S**	**S**	**46.6**	**1.4**	**S**	**S**	**12.7**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	39.1
	Truck and rail	S	S	46.8	1.4	S	S	12.7
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
23	**Chemical products and preparations, n.e.c.**							
	All modes	**11.5**	**0.0**	**14.0**	**0.0**	**12.4**	**0.0**	**13.9**
	Single modes	**12.0**	**1.5**	**14.1**	**1.1**	**12.3**	**2.8**	**13.7**
	Truck[4]	10.2	2.4	15.0	2.4	12.3	3.1	17.6
	For-hire truck	12.6	5.3	11.7	5.2	11.3	4.3	9.3
	Private truck	34.1	3.9	40.6	5.7	S	S	20.1
	Rail	16.1	1.1	16.7	2.2	18.2	2.9	13.7
	Water	S	S	S	S	S	S	2.6
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S	S	S	S
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	48.6	2.2	S	S	S	S	13.3
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**27.1**	**1.5**	**27.1**	**1.1**	**28.0**	**2.8**	**17.3**
	Parcel, U.S. Postal Service, or courier	28.9	0.8	25.8	0.1	21.6	0.1	17.4
	Truck and rail	44.7	1.5	28.3	1.1	28.6	2.7	14.2
	Truck and water	S	S	S	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
24	**Plastics and rubber**							
	All modes	**18.2**	**0.0**	**27.4**	**0.0**	**32.3**	**0.0**	**8.2**
	Single modes	**26.1**	**11.3**	**30.9**	**10.7**	**34.6**	**10.9**	**17.6**
	Truck[4]	26.7	11.4	30.9	10.7	34.7	11.2	18.5
	For-hire truck	25.8	10.5	29.6	9.7	34.7	10.8	18.6
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	16.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**22.4**	**11.3**	**34.5**	**10.7**	**29.3**	**10.9**	**10.2**
	Parcel, U.S. Postal Service, or courier	23.0	11.1	28.4	10.6	34.2	11.0	10.2
	Truck and rail	26.5	1.8	S	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
25	**Logs and other wood in the rough**							
	All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
26	**Wood products**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	S	S	S	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
27	**Pulp, newsprint, paper, and paperboard**							
	All modes	**34.1**	**0.0**	**S**	**S**	**S**	**S**	**S**
	Single modes	**26.1**	**34.4**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	26.1	34.4	S	S	S	S	S
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	26.1	34.4	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
28	**Paper or paperboard articles**							
	All modes	**31.5**	**0.0**	**22.6**	**0.0**	**37.5**	**0.0**	**24.5**
	Single modes	**34.3**	**7.2**	**23.8**	**6.4**	**41.9**	**9.9**	**26.5**
	Truck[4]	34.3	7.2	23.8	6.4	41.9	9.9	26.5
	For-hire truck	S	S	S	S	S	S	31.1
	Private truck	26.5	9.1	17.4	8.1	40.7	11.0	33.7
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
29	**Printed products**							
	All modes	**S**	**S**	**S**	**S**	**44.1**	**0.0**	**38.4**
	Single modes	**S**	**S**	**S**	**S**	**49.9**	**33.5**	**47.5**
	Truck[4]	S	S	S	S	49.9	33.5	47.5
	For-hire truck	S	S	S	S	49.9	33.5	47.5
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**44.6**	**42.0**	**42.3**	**50.2**	**S**	**S**	**31.2**
	Parcel, U.S. Postal Service, or courier	44.6	42.0	42.3	50.2	S	S	31.2
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
30	**Textiles, leather, and articles of textiles or leather**							
	All modes	**34.7**	**0.0**	**36.0**	**0.0**	**35.9**	**0.0**	**37.1**
	Single modes	**35.7**	**3.5**	**42.2**	**7.4**	**36.5**	**6.8**	**25.2**
	Truck[4]	30.8	6.3	45.3	10.2	42.6	9.4	34.7
	For-hire truck	31.5	5.8	S	S	S	S	25.5
	Private truck	32.6	4.6	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	49.8	5.0	S	S	S	S	8.7
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
31	**Nonmetallic mineral products**							
	All modes	**22.3**	**0.0**	**33.0**	**0.0**	**31.1**	**0.0**	**22.5**
	Single modes	**22.4**	**4.8**	**33.0**	**0.2**	**31.5**	**2.7**	**S**
	Truck[4]	22.4	4.8	33.0	0.2	31.5	2.7	S
	For-hire truck	19.5	7.9	S	S	31.3	13.8	S
	Private truck	27.0	10.2	41.6	17.2	35.7	14.1	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**37.2**	**6.5**	**26.7**	**0.3**	**46.5**	**3.8**	**S**
	Parcel, U.S. Postal Service, or courier	39.8	7.9	22.4	0.3	31.6	4.3	17.6
	Truck and rail	14.1	7.7	21.3	0.9	21.3	9.3	Z
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
32	**Base metal in primary or semifinished forms and in finished basic shapes**							
	All modes	**40.1**	**0.0**	**S**	**S**	**40.5**	**0.0**	**S**
	Single modes	**37.8**	**4.6**	**48.5**	**1.8**	**40.9**	**2.8**	**31.4**
	Truck[4]	41.3	8.1	48.7	1.7	41.8	4.0	27.6
	For-hire truck	42.3	7.7	S	S	42.5	4.0	31.1
	Private truck	39.2	7.4	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	44.9
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
33	**Articles of base metal**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**26.3**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	33.4	56.2	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.5**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	20.5
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
34	**Machinery**							
	All modes	**40.7**	**0.0**	**S**	**S**	**S**	**S**	**36.5**
	Single modes	**45.4**	**15.3**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	44.8	17.4	S	S	S	S	S
	For-hire truck	46.0	20.5	S	S	S	S	S
	Private truck	30.5	22.4	49.3	21.2	49.2	2.5	41.1
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	S	S	S
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**39.4**	**25.0**	**36.2**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	39.4	25.0	36.2
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
35	**Electronic and other electrical equipment and components and office equipment**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
36	**Motorized and other vehicles (including parts)**							
	All modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
37	**Transportation equipment, n.e.c.**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
38	**Precision instruments and apparatus**							
	All modes	**19.3**	**0.0**	**30.0**	**0.0**	**27.4**	**0.0**	**18.6**
	Single modes	**19.9**	**5.9**	**30.2**	**5.7**	**27.6**	**5.0**	**18.6**
	Truck[4]	30.9	8.1	31.1	14.0	28.4	16.5	S
	For-hire truck	31.5	7.7	32.4	16.0	28.5	16.7	44.0
	Private truck	48.1	1.9	48.1	9.6	35.9	0.4	39.8
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	42.8	9.8	24.1	11.5	17.3	14.4	10.7
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**32.1**	**5.9**	**47.7**	**5.7**	**38.2**	**5.0**	**31.0**
	Parcel, U.S. Postal Service, or courier	32.1	5.9	47.7	5.7	38.2	5.0	31.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**							
	All modes	**45.4**	**0.0**	**S**	**S**	**S**	**S**	**6.5**
	Single modes	**38.9**	**8.0**	**S**	**S**	**S**	**S**	**29.5**
	Truck[4]	38.9	8.0	S	S	S	S	29.5
	For-hire truck	S	S	S	S	S	S	S
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**4.0**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	4.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
40	**Miscellaneous manufactured products**							
	All modes	**S**	**S**	**28.9**	**0.0**	**36.8**	**0.0**	**27.4**
	Single modes	**S**	**S**	**28.7**	**2.2**	**35.6**	**3.6**	**S**
	Truck[4]	S	S	28.7	2.2	35.7	3.7	S
	For-hire truck	S	S	33.6	12.6	36.1	4.5	13.1
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S	6.1	0.5	41.3
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**25.8**
	Parcel, U.S. Postal Service, or courier	S	S	S	S	S	S	25.8
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
41	**Waste and scrap**							
	All modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	S	S	S	S	S	S	S
	Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
43	**Mixed freight**							
	All modes	**3.1**	**0.0**	**3.7**	**0.0**	**5.1**	**0.0**	**5.4**
	Single modes	**3.2**	**0.1**	**3.8**	**0.1**	**4.8**	**0.5**	**5.5**
	Truck[4]	3.3	0.3	3.8	0.3	4.9	2.4	5.5
	For-hire truck	10.0	1.8	11.1	2.3	10.2	3.0	13.0
	Private truck	3.6	1.8	4.9	2.3	3.8	3.0	5.4
	Rail	S	S	S	S	S	S	S
	Water	40.3	0.1	31.0	0.1	35.2	0.6	17.8
	Inland water	S	S	S	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	40.8	0.1	31.0	0.1	35.3	0.5	18.3
	Multiple waterways	S	S	S	S	S	S	S
	Air (includes truck and air)	S	S	S	S	S	S	16.9
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**20.2**	**0.1**	**23.0**	**0.1**	**22.3**	**0.5**	**20.3**
	Parcel, U.S. Postal Service, or courier	33.3	Z	S	S	S	S	17.2
	Truck and rail	S	S	S	S	35.2	0.4	S
	Truck and water	29.4	0.1	25.7	0.1	31.4	0.5	21.9
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-21.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and mode of transportation	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
99	**Commodity unknown**							
	All modes	**44.3**	**0.0**	**S**	**S**	**S**	**S**	**12.1**
	Single modes	**44.3**	**0.0**	**S**	**S**	**S**	**S**	**12.1**
	Truck[4]	S	S	S	S	S	S	S
	For-hire truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Private truck	S	S	S	S	S	S	S
	Rail	S	S	S	S	S	S	S
	Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] Estimates exclude shipments of crude petroleum (SCTG 16).
[4] "Truck" as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[6] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.
[7] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.
[8] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.
[9] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
	All commodities[4]			
	Total	**3.2**	**2.3**	**2.1**
	Less than 50 miles	4.5	4.2	4.8
	50 to 99 miles	8.3	4.4	4.4
	100 to 249 miles	3.1	3.7	3.9
	250 to 499 miles	3.9	2.5	4.1
	500 to 749 miles	3.8	6.8	6.1
	750 to 999 miles	4.8	6.5	6.2
	1,000 to 1,499 miles	4.8	4.7	5.4
	1,500 to 1,999 miles	6.6	6.9	7.4
	2,000 miles or more	6.5	5.4	5.3
01	**Live animals and live fish**			
	Total	**32.0**	**29.3**	**S**
	Less than 50 miles	31.8	34.8	S
	50 to 99 miles	S	S	S
	100 to 249 miles	41.4	S	S
	250 to 499 miles	42.4	43.7	44.4
	500 to 749 miles	38.2	41.7	42.1
	750 to 999 miles	49.8	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
02	**Cereal grains (includes seed)**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**			
	Total	**7.1**	**5.7**	**11.4**
	Less than 50 miles	8.9	11.3	14.8
	50 to 99 miles	15.4	15.7	15.3
	100 to 249 miles	12.1	11.8	12.9
	250 to 499 miles	8.6	13.5	14.8
	500 to 749 miles	12.3	21.8	20.6
	750 to 999 miles	21.0	27.3	27.1
	1,000 to 1,499 miles	11.1	12.4	13.0
	1,500 to 1,999 miles	22.5	31.1	32.1
	2,000 miles or more	20.4	22.9	23.3
04	**Animal feed, eggs, honey, and other products of animal origin**			
	Total	**15.6**	**23.0**	**27.5**
	Less than 50 miles	23.8	29.7	32.3
	50 to 99 miles	16.4	23.1	20.2
	100 to 249 miles	26.9	20.6	20.1
	250 to 499 miles	13.2	24.3	26.9
	500 to 749 miles	34.5	S	S
	750 to 999 miles	33.4	34.8	34.9
	1,000 to 1,499 miles	30.1	33.4	34.2
	1,500 to 1,999 miles	33.8	S	S
	2,000 miles or more	S	S	S
05	**Meat, poultry, fish, seafood, and their preparations**			
	Total	**3.4**	**3.3**	**4.0**
	Less than 50 miles	5.7	5.3	5.9
	50 to 99 miles	6.8	7.2	7.2
	100 to 249 miles	6.0	8.0	7.8
	250 to 499 miles	4.6	4.8	4.9
	500 to 749 miles	6.7	6.2	5.9
	750 to 999 miles	4.3	2.7	2.8
	1,000 to 1,499 miles	4.1	6.5	6.4
	1,500 to 1,999 miles	7.5	12.0	12.2
	2,000 miles or more	13.6	12.8	12.7
06	**Milled grain products and preparations and bakery products**			
	Total	**8.8**	**10.2**	**14.0**
	Less than 50 miles	9.5	12.1	13.3
	50 to 99 miles	14.4	14.8	15.2
	100 to 249 miles	13.6	12.8	11.7
	250 to 499 miles	11.2	11.9	11.8
	500 to 749 miles	18.0	19.2	19.5
	750 to 999 miles	15.8	15.3	15.2
	1,000 to 1,499 miles	16.4	19.0	18.5
	1,500 to 1,999 miles	16.9	19.0	19.5
	2,000 miles or more	16.9	19.8	19.7

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
07-R[5]	**Other prepared foodstuffs and fats and oils**			
	Total	**4.6**	**4.3**	**6.9**
	Less than 50 miles	5.6	6.6	4.8
	50 to 99 miles	8.8	7.3	6.7
	100 to 249 miles	6.9	6.4	6.2
	250 to 499 miles	8.8	9.3	9.0
	500 to 749 miles	7.4	9.5	9.5
	750 to 999 miles	6.9	10.2	11.0
	1,000 to 1,499 miles	8.1	11.5	12.5
	1,500 to 1,999 miles	11.1	11.1	11.7
	2,000 miles or more	14.8	12.6	12.8
08-R[6]	**Alcoholic beverages, and denatured alcohol**			
	Total	**10.0**	**17.2**	**21.7**
	Less than 50 miles	7.7	10.4	10.8
	50 to 99 miles	17.1	19.1	19.3
	100 to 249 miles	17.2	21.7	23.7
	250 to 499 miles	17.8	23.5	23.3
	500 to 749 miles	40.7	47.8	47.9
	750 to 999 miles	39.6	44.7	45.2
	1,000 to 1,499 miles	26.9	27.7	25.6
	1,500 to 1,999 miles	20.4	23.1	22.5
	2,000 miles or more	16.8	20.3	20.2
09	**Tobacco products**			
	Total	**21.6**	**21.1**	**23.1**
	Less than 50 miles	22.0	24.7	25.6
	50 to 99 miles	22.8	25.3	25.2
	100 to 249 miles	24.8	21.1	21.9
	250 to 499 miles	29.7	43.6	45.9
	500 to 749 miles	37.0	37.6	S
	750 to 999 miles	27.0	24.2	24.2
	1,000 to 1,499 miles	25.1	22.8	24.8
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0.0	0.0	0.0
10	**Monumental or building stone**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
11	**Natural sands**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
12	**Gravel and crushed stone (excludes dolomite and slate)**			
	Total	**S**	**41.7**	**S**
	Less than 50 miles	S	41.7	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
13	**Other nonmetallic minerals, n.e.c.**			
	Total	**30.0**	**37.8**	**32.1**
	Less than 50 miles	34.7	39.6	25.7
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	S	S	S
	250 to 499 miles	S	43.3	S
	500 to 749 miles	5.4	5.2	5.2
	750 to 999 miles	16.3	10.2	10.0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
14	**Metallic ores and concentrates**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
15	**Coal**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
17-R[7]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**			
	Total	**19.9**	**20.2**	**35.6**
	Less than 50 miles	39.2	35.9	36.6
	50 to 99 miles	28.1	30.8	26.8
	100 to 249 miles	S	S	S
	250 to 499 miles	26.4	23.2	35.8
	500 to 749 miles	S	S	S
	750 to 999 miles	44.1	45.6	41.4
	1,000 to 1,499 miles	18.3	13.2	13.4
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
18-R[8]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
19	**Other coal and petroleum products, n.e.c.**			
	Total	**15.4**	**11.1**	**11.0**
	Less than 50 miles	15.8	11.7	15.6
	50 to 99 miles	30.0	29.4	30.2
	100 to 249 miles	20.8	22.0	21.8
	250 to 499 miles	21.0	20.2	19.2
	500 to 749 miles	18.3	16.6	16.7
	750 to 999 miles	17.2	18.9	19.2
	1,000 to 1,499 miles	34.2	30.7	30.0
	1,500 to 1,999 miles	30.5	36.6	33.8
	2,000 miles or more	8.7	25.4	29.5
20	**Basic chemicals**			
	Total	**11.0**	**15.1**	**22.4**
	Less than 50 miles	14.9	11.5	14.8
	50 to 99 miles	19.7	12.5	13.0
	100 to 249 miles	19.9	16.3	16.2
	250 to 499 miles	27.3	26.8	32.9
	500 to 749 miles	25.5	S	S
	750 to 999 miles	28.5	35.0	33.6
	1,000 to 1,499 miles	25.8	23.4	24.1
	1,500 to 1,999 miles	19.5	28.4	25.4
	2,000 miles or more	24.5	27.7	27.9
21	**Pharmaceutical products**			
	Total	**9.7**	**13.1**	**15.6**
	Less than 50 miles	19.5	24.6	27.4
	50 to 99 miles	27.0	21.2	20.8
	100 to 249 miles	9.9	13.3	12.9
	250 to 499 miles	11.4	17.4	15.8
	500 to 749 miles	14.7	22.3	21.1
	750 to 999 miles	16.3	22.4	22.9
	1,000 to 1,499 miles	19.9	22.8	23.5
	1,500 to 1,999 miles	17.8	27.5	28.4
	2,000 miles or more	22.7	18.9	19.2

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
22	**Fertilizers**			
	Total	**29.6**	**21.0**	**27.6**
	Less than 50 miles	32.5	37.9	35.2
	50 to 99 miles	29.2	28.6	27.6
	100 to 249 miles	34.1	22.7	26.6
	250 to 499 miles	32.6	25.7	23.1
	500 to 749 miles	40.6	39.1	40.0
	750 to 999 miles	33.0	30.3	28.7
	1,000 to 1,499 miles	S	44.1	47.5
	1,500 to 1,999 miles	37.0	49.6	49.1
	2,000 miles or more	35.9	S	S
23	**Chemical products and preparations, n.e.c.**			
	Total	**11.5**	**14.0**	**12.4**
	Less than 50 miles	16.7	13.3	12.5
	50 to 99 miles	25.0	18.1	19.3
	100 to 249 miles	19.5	24.9	23.6
	250 to 499 miles	17.9	22.9	22.2
	500 to 749 miles	10.7	14.3	14.3
	750 to 999 miles	34.7	22.8	27.9
	1,000 to 1,499 miles	23.7	16.3	16.3
	1,500 to 1,999 miles	23.5	24.1	23.8
	2,000 miles or more	40.4	24.4	24.9
24	**Plastics and rubber**			
	Total	**18.2**	**27.4**	**32.3**
	Less than 50 miles	39.6	35.7	S
	50 to 99 miles	39.0	30.5	34.4
	100 to 249 miles	33.8	35.2	36.4
	250 to 499 miles	21.5	S	S
	500 to 749 miles	32.1	33.7	32.2
	750 to 999 miles	23.6	35.5	34.8
	1,000 to 1,499 miles	35.0	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
25	**Logs and other wood in the rough**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
26	**Wood products**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
27	**Pulp, newsprint, paper, and paperboard**			
	Total	**34.1**	**S**	**S**
	Less than 50 miles	34.1	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
28	**Paper or paperboard articles**			
	Total	**31.5**	**22.6**	**37.5**
	Less than 50 miles	42.9	29.8	42.9
	50 to 99 miles	32.8	40.7	48.2
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
29	**Printed products**			
	Total	**S**	**S**	**44.1**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	S	S	S
	500 to 749 miles	47.3	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
30	**Textiles, leather, and articles of textiles or leather**			
	Total	**34.7**	**36.0**	**35.9**
	Less than 50 miles	S	S	S
	50 to 99 miles	36.6	S	S
	100 to 249 miles	45.1	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	36.7	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	29.7	35.5	35.4
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	28.6	31.5	34.0
31	**Nonmetallic mineral products**			
	Total	**22.3**	**33.0**	**31.1**
	Less than 50 miles	24.9	35.3	37.3
	50 to 99 miles	43.2	S	S
	100 to 249 miles	37.2	S	S
	250 to 499 miles	28.7	31.2	28.1
	500 to 749 miles	37.9	13.8	14.4
	750 to 999 miles	45.0	47.2	S
	1,000 to 1,499 miles	28.2	26.3	25.9
	1,500 to 1,999 miles	S	26.1	30.4
	2,000 miles or more	20.3	17.3	16.7
32	**Base metal in primary or semifinished forms and in finished basic shapes**			
	Total	**40.1**	**S**	**40.5**
	Less than 50 miles	39.0	38.0	18.7
	50 to 99 miles	S	S	S
	100 to 249 miles	19.8	21.3	22.6
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	49.7	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
33	**Articles of base metal**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	S	S	S
34	**Machinery**			
	Total	**40.7**	**S**	**S**
	Less than 50 miles	31.7	44.6	47.2
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	46.5	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	15.1	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0.0	0.0	0.0
35	**Electronic and other electrical equipment and components and office equipment**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
36	**Motorized and other vehicles (including parts)**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
37	**Transportation equipment, n.e.c.**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
38	**Precision instruments and apparatus**			
	Total	**19.3**	**30.0**	**27.4**
	Less than 50 miles	31.2	41.8	45.4
	50 to 99 miles	S	S	S
	100 to 249 miles	47.4	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	38.7	S	S
	750 to 999 miles	17.8	49.1	46.7
	1,000 to 1,499 miles	40.1	47.7	48.5
	1,500 to 1,999 miles	44.9	S	S
	2,000 miles or more	48.6	S	S
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**			
	Total	**45.4**	**S**	**S**
	Less than 50 miles	14.0	17.6	27.9
	50 to 99 miles	S	S	S
	100 to 249 miles	1.8	4.2	18.8
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	S	S	S
40	**Miscellaneous manufactured products**			
	Total	**S**	**28.9**	**36.8**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	29.7	29.5
	250 to 499 miles	S	28.3	27.8
	500 to 749 miles	42.6	37.6	37.3
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	46.6	46.6
41	**Waste and scrap**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
43	**Mixed freight**			
	Total	**3.1**	**3.7**	**5.1**
	Less than 50 miles	4.2	5.1	7.5
	50 to 99 miles	5.2	6.5	6.3
	100 to 249 miles	4.2	4.4	4.9
	250 to 499 miles	9.7	9.3	8.8
	500 to 749 miles	11.7	10.7	11.2
	750 to 999 miles	14.6	18.7	18.6
	1,000 to 1,499 miles	16.5	18.7	19.8
	1,500 to 1,999 miles	22.1	25.2	25.3
	2,000 miles or more	21.5	25.2	27.1

See footnotes at end of table.

Table B-22.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and distance shipped[2]	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
99	**Commodity unknown**			
	Total	**44.3**	**S**	**S**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	44.3	S	S
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Shipments are grouped into distance categories based on Great Circle Distance (GCD). GCD is the shortest distance between two points on the surface of a sphere over the surface of that sphere.

[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[4] Estimates exclude shipments of crude petroleum (SCTG 16).

[5] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[6] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[7] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[8] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
	All commodities[3]				
	Total	**3.2**	**2.3**	**2.1**	**6.0**
	Less than 50 lbs.	8.0	8.4	12.6	10.6
	50 to 99 lbs.	13.6	10.1	15.2	14.0
	100 to 499 lbs.	6.8	5.7	6.1	6.7
	500 to 749 lbs.	7.9	3.6	4.7	3.5
	750 to 999 lbs.	6.5	2.5	3.4	3.4
	1,000 to 9,999 lbs.	5.4	4.0	3.2	3.0
	10,000 to 49,999 lbs.	2.5	2.3	2.6	2.6
	50,000 to 99,999 lbs.	15.8	14.5	12.2	9.7
	100,000 lbs. or more	7.1	10.8	7.5	8.5
01	**Live animals and live fish**				
	Total	**32.0**	**29.3**	**S**	**29.2**
	Less than 50 lbs.	29.2	29.2	32.9	29.3
	50 to 99 lbs.	37.8	37.9	S	S
	100 to 499 lbs.	43.6	37.6	S	33.6
	500 to 749 lbs.	45.8	48.8	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	28.0	23.4	S	41.6
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0.0	0.0	0.0	0.0
02	**Cereal grains (includes seed)**				
	Total	**S**	**S**	**S**	**16.2**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	41.5	45.8
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	S	S	S	S
03	**Agricultural products (excludes animal feed, cereal grains, and forage products)**				
	Total	**7.1**	**5.7**	**11.4**	**21.0**
	Less than 50 lbs.	18.4	13.1	33.0	21.3
	50 to 99 lbs.	15.6	21.0	39.9	37.6
	100 to 499 lbs.	8.0	11.4	16.5	26.1
	500 to 749 lbs.	15.8	13.5	14.7	23.4
	750 to 999 lbs.	12.8	13.6	15.6	19.8
	1,000 to 9,999 lbs.	6.5	6.8	18.9	18.7
	10,000 to 49,999 lbs.	11.8	8.4	12.3	7.6
	50,000 to 99,999 lbs.	37.3	40.3	33.6	S
	100,000 lbs. or more	31.4	44.4	50.0	18.8
04	**Animal feed, eggs, honey, and other products of animal origin**				
	Total	**15.6**	**23.0**	**27.5**	**19.5**
	Less than 50 lbs.	32.3	26.4	43.6	29.7
	50 to 99 lbs.	S	21.6	32.4	35.2
	100 to 499 lbs.	16.1	14.9	27.4	S
	500 to 749 lbs.	16.4	14.9	24.3	12.9
	750 to 999 lbs.	20.9	18.6	29.5	13.7
	1,000 to 9,999 lbs.	20.5	20.0	25.0	10.6
	10,000 to 49,999 lbs.	15.0	23.6	18.7	23.9
	50,000 to 99,999 lbs.	46.6	S	S	38.3
	100,000 lbs. or more	S	S	S	24.4
05	**Meat, poultry, fish, seafood, and their preparations**				
	Total	**3.4**	**3.3**	**4.0**	**8.9**
	Less than 50 lbs.	15.3	11.8	36.7	25.7
	50 to 99 lbs.	20.6	14.7	26.8	12.5
	100 to 499 lbs.	12.7	8.7	13.0	9.6
	500 to 749 lbs.	9.6	7.1	6.5	6.5
	750 to 999 lbs.	13.0	9.3	13.7	10.0
	1,000 to 9,999 lbs.	5.7	6.1	10.3	11.1
	10,000 to 49,999 lbs.	2.7	3.5	3.0	2.6
	50,000 to 99,999 lbs.	10.0	10.0	19.0	13.7
	100,000 lbs. or more	22.0	24.7	24.7	29.5
06	**Milled grain products and preparations and bakery products**				
	Total	**8.8**	**10.2**	**14.0**	**10.6**
	Less than 50 lbs.	18.0	22.5	23.3	45.7
	50 to 99 lbs.	16.0	12.3	14.2	17.5
	100 to 499 lbs.	8.7	8.5	15.5	12.2
	500 to 749 lbs.	15.3	15.1	16.6	10.1
	750 to 999 lbs.	14.2	14.1	23.0	13.8
	1,000 to 9,999 lbs.	13.1	13.6	14.9	10.6
	10,000 to 49,999 lbs.	11.2	12.1	15.4	6.0
	50,000 to 99,999 lbs.	34.0	39.6	40.5	S
	100,000 lbs. or more	40.8	27.9	S	S

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
07-R[4]	**Other prepared foodstuffs and fats and oils**				
	Total	**4.6**	**4.3**	**6.9**	**10.3**
	Less than 50 lbs.	19.7	17.7	14.8	37.2
	50 to 99 lbs.	23.2	22.9	23.0	17.8
	100 to 499 lbs.	12.1	17.7	12.0	7.2
	500 to 749 lbs.	7.9	10.8	8.2	7.1
	750 to 999 lbs.	6.7	8.5	13.4	7.9
	1,000 to 9,999 lbs.	4.4	5.6	7.4	6.1
	10,000 to 49,999 lbs.	6.0	5.5	7.7	5.6
	50,000 to 99,999 lbs.	11.5	10.8	7.3	6.6
	100,000 lbs. or more	18.1	12.8	16.8	10.2
08-R[5]	**Alcoholic beverages, and denatured alcohol**				
	Total	**10.0**	**17.2**	**21.7**	**14.5**
	Less than 50 lbs.	29.7	22.4	34.8	36.1
	50 to 99 lbs.	20.2	12.8	34.7	25.7
	100 to 499 lbs.	17.3	9.5	10.2	4.6
	500 to 749 lbs.	9.8	11.7	13.5	9.1
	750 to 999 lbs.	13.4	11.9	16.2	22.1
	1,000 to 9,999 lbs.	11.3	12.6	13.6	13.8
	10,000 to 49,999 lbs.	19.0	26.6	23.4	8.9
	50,000 to 99,999 lbs.	42.0	40.2	35.1	S
	100,000 lbs. or more	S	S	S	S
09	**Tobacco products**				
	Total	**21.6**	**21.1**	**23.1**	**8.8**
	Less than 50 lbs.	19.8	18.3	21.3	13.3
	50 to 99 lbs.	34.6	31.1	35.6	12.0
	100 to 499 lbs.	19.1	19.9	23.0	9.2
	500 to 749 lbs.	32.3	29.1	34.2	14.7
	750 to 999 lbs.	40.1	23.0	17.3	17.2
	1,000 to 9,999 lbs.	34.6	21.9	21.0	13.1
	10,000 to 49,999 lbs.	S	S	18.0	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
10	**Monumental or building stone**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
11	**Natural sands**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
12	**Gravel and crushed stone (excludes dolomite and slate)**				
	Total	**S**	**41.7**	**S**	**28.2**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	48.1	42.3	30.1
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0.0	0.0	0.0	0.0
13	**Other nonmetallic minerals, n.e.c.**				
	Total	**30.0**	**37.8**	**32.1**	**S**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	45.5	44.4	S
	50,000 to 99,999 lbs.	27.4	34.7	22.5	S
	100,000 lbs. or more	19.6	14.5	18.9	7.4

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
14	**Metallic ores and concentrates**				
	Total	**S**	**S**	**S**	**5.3**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	5.3
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
15	**Coal**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
17-R[6]	**Gasoline, aviation turbine fuel, and ethanol (includes kerosene, and fuel alcohols)**				
	Total	**19.9**	**20.2**	**35.6**	**S**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	31.5
	50,000 to 99,999 lbs.	31.3	28.7	23.6	15.4
	100,000 lbs. or more	34.9	36.2	33.8	13.8
18-R[7]	**Fuel oils (includes diesel, Bunker C, and biodiesel)**				
	Total	**S**	**S**	**S**	**27.9**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	30.1	29.8	S	37.2
	50,000 to 99,999 lbs.	32.2	32.1	S	37.2
	100,000 lbs. or more	S	S	S	S
19	**Other coal and petroleum products, n.e.c.**				
	Total	**15.4**	**11.1**	**11.0**	**10.6**
	Less than 50 lbs.	S	26.2	38.2	17.6
	50 to 99 lbs.	19.3	17.7	35.1	24.4
	100 to 499 lbs.	18.4	18.3	36.1	18.3
	500 to 749 lbs.	16.1	15.9	16.4	13.0
	750 to 999 lbs.	18.2	19.2	23.2	18.8
	1,000 to 9,999 lbs.	32.9	30.9	18.4	16.4
	10,000 to 49,999 lbs.	8.5	9.2	8.1	11.7
	50,000 to 99,999 lbs.	26.2	21.8	23.0	14.2
	100,000 lbs. or more	21.2	18.9	16.1	16.1
20	**Basic chemicals**				
	Total	**11.0**	**15.1**	**22.4**	**9.7**
	Less than 50 lbs.	26.1	21.7	25.5	11.0
	50 to 99 lbs.	40.4	40.5	48.0	S
	100 to 499 lbs.	S	32.5	41.5	18.4
	500 to 749 lbs.	23.9	S	28.3	S
	750 to 999 lbs.	36.8	29.0	S	33.7
	1,000 to 9,999 lbs.	28.1	20.3	14.8	28.5
	10,000 to 49,999 lbs.	14.5	14.2	24.3	12.5
	50,000 to 99,999 lbs.	24.7	30.7	S	24.3
	100,000 lbs. or more	21.1	22.6	22.9	4.4
21	**Pharmaceutical products**				
	Total	**9.7**	**13.1**	**15.6**	**5.0**
	Less than 50 lbs.	9.1	6.8	12.4	4.9
	50 to 99 lbs.	17.9	15.0	21.6	9.6
	100 to 499 lbs.	12.1	19.2	32.6	17.6
	500 to 749 lbs.	35.5	41.6	31.3	33.8
	750 to 999 lbs.	20.1	S	42.7	42.5
	1,000 to 9,999 lbs.	20.8	12.7	16.7	26.6
	10,000 to 49,999 lbs.	15.1	15.9	18.6	20.9
	50,000 to 99,999 lbs.	S	48.1	S	26.8
	100,000 lbs. or more	36.9	19.0	41.2	30.9

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
22	**Fertilizers**				
	Total	**29.6**	**21.0**	**27.6**	**15.5**
	Less than 50 lbs.	S	S	S	26.0
	50 to 99 lbs.	41.0	43.7	S	S
	100 to 499 lbs.	41.8	S	S	35.0
	500 to 749 lbs.	23.2	S	S	20.6
	750 to 999 lbs.	40.0	22.4	S	S
	1,000 to 9,999 lbs.	41.0	S	46.4	S
	10,000 to 49,999 lbs.	23.9	15.8	16.4	15.1
	50,000 to 99,999 lbs.	28.4	27.5	36.4	18.0
	100,000 lbs. or more	34.4	27.5	30.1	9.7
23	**Chemical products and preparations, n.e.c.**				
	Total	**11.5**	**14.0**	**12.4**	**13.9**
	Less than 50 lbs.	21.6	21.0	22.6	20.3
	50 to 99 lbs.	48.4	44.3	27.1	18.1
	100 to 499 lbs.	40.2	20.1	33.6	15.1
	500 to 749 lbs.	S	35.1	45.8	13.6
	750 to 999 lbs.	S	41.7	S	20.0
	1,000 to 9,999 lbs.	16.8	35.5	22.1	14.9
	10,000 to 49,999 lbs.	13.2	14.6	12.5	5.3
	50,000 to 99,999 lbs.	30.3	27.5	32.2	18.9
	100,000 lbs. or more	14.9	16.3	18.8	11.2
24	**Plastics and rubber**				
	Total	**18.2**	**27.4**	**32.3**	**8.2**
	Less than 50 lbs.	23.8	24.5	20.4	9.8
	50 to 99 lbs.	S	42.7	S	26.2
	100 to 499 lbs.	S	42.4	S	25.0
	500 to 749 lbs.	S	S	45.4	S
	750 to 999 lbs.	34.0	47.3	S	19.0
	1,000 to 9,999 lbs.	29.8	24.9	31.5	15.7
	10,000 to 49,999 lbs.	34.5	39.3	47.0	25.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	23.3	S	S	49.5
25	**Logs and other wood in the rough**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
26	**Wood products**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
27	**Pulp, newsprint, paper, and paperboard**				
	Total	**34.1**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	37.8	S	S	S
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
28	**Paper or paperboard articles**				
	Total	**31.5**	**22.6**	**37.5**	**24.5**
	Less than 50 lbs.	S	S	S	26.0
	50 to 99 lbs.	S	44.7	S	S
	100 to 499 lbs.	35.2	29.6	S	31.4
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
29	**Printed products**				
	Total	**S**	**S**	**44.1**	**38.4**
	Less than 50 lbs.	S	S	S	42.2
	50 to 99 lbs.	S	49.8	S	35.7
	100 to 499 lbs.	S	S	S	47.1
	500 to 749 lbs.	S	39.2	S	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
30	**Textiles, leather, and articles of textiles or leather**				
	Total	**34.7**	**36.0**	**35.9**	**37.1**
	Less than 50 lbs.	49.6	29.4	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	33.8	S	S	13.8
	500 to 749 lbs.	31.1	32.5	35.9	12.9
	750 to 999 lbs.	S	45.4	S	24.2
	1,000 to 9,999 lbs.	S	41.4	39.2	17.8
	10,000 to 49,999 lbs.	37.5	S	S	31.1
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
31	**Nonmetallic mineral products**				
	Total	**22.3**	**33.0**	**31.1**	**22.5**
	Less than 50 lbs.	49.8	20.9	36.8	21.9
	50 to 99 lbs.	5.8	33.2	49.9	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	27.3	25.2	38.8	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	39.3	31.8	41.1	32.0
	10,000 to 49,999 lbs.	27.3	38.0	38.1	44.3
	50,000 to 99,999 lbs.	31.8	S	S	33.0
	100,000 lbs. or more	45.4	S	8.2	S
32	**Base metal in primary or semifinished forms and in finished basic shapes**				
	Total	**40.1**	**S**	**40.5**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	48.7	S	42.6
	750 to 999 lbs.	S	S	4.8	S
	1,000 to 9,999 lbs.	S	S	S	43.2
	10,000 to 49,999 lbs.	43.3	48.1	40.4	36.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
33	**Articles of base metal**				
	Total	**S**	**S**	**S**	**26.3**
	Less than 50 lbs.	S	S	S	30.3
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	S	42.8
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
34	**Machinery**				
	Total	**40.7**	**S**	**S**	**36.5**
	Less than 50 lbs.	49.9	S	39.3	41.7
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	3.3	S	S	S
	750 to 999 lbs.	S	S	17.5	S
	1,000 to 9,999 lbs.	S	S	S	26.6
	10,000 to 49,999 lbs.	48.0	S	S	37.5
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
35	**Electronic and other electrical equipment and components and office equipment**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	4.5	22.6	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
36	**Motorized and other vehicles (including parts)**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
37	**Transportation equipment, n.e.c.**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
38	**Precision instruments and apparatus**				
	Total	**19.3**	**30.0**	**27.4**	**18.6**
	Less than 50 lbs.	23.0	19.7	17.6	17.2
	50 to 99 lbs.	36.4	S	47.0	S
	100 to 499 lbs.	31.6	S	45.5	S
	500 to 749 lbs.	S	S	41.9	S
	750 to 999 lbs.	S	S	S	29.2
	1,000 to 9,999 lbs.	27.6	23.0	35.0	47.7
	10,000 to 49,999 lbs.	40.9	31.6	25.5	20.9
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
39	**Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs**				
	Total	**45.4**	**S**	**S**	**6.5**
	Less than 50 lbs.	S	S	S	40.3
	50 to 99 lbs.	S	S	S	13.6
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
40	**Miscellaneous manufactured products**				
	Total	**S**	**28.9**	**36.8**	**27.4**
	Less than 50 lbs.	S	42.8	S	27.3
	50 to 99 lbs.	S	S	34.5	S
	100 to 499 lbs.	S	12.0	S	S
	500 to 749 lbs.	35.6	S	S	S
	750 to 999 lbs.	S	38.6	41.3	30.1
	1,000 to 9,999 lbs.	S	39.6	39.5	24.0
	10,000 to 49,999 lbs.	31.8	30.1	33.6	20.7
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
41	**Waste and scrap**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
43	**Mixed freight**				
	Total	**3.1**	**3.7**	**5.1**	**5.4**
	Less than 50 lbs.	15.4	19.1	48.3	17.3
	50 to 99 lbs.	16.3	15.2	33.4	24.9
	100 to 499 lbs.	6.7	11.3	8.3	4.4
	500 to 749 lbs.	4.8	4.1	9.2	8.6
	750 to 999 lbs.	4.2	3.0	5.6	3.6
	1,000 to 9,999 lbs.	5.3	5.8	5.7	5.4
	10,000 to 49,999 lbs.	5.9	6.2	8.0	6.5
	50,000 to 99,999 lbs.	37.9	45.0	34.2	28.8
	100,000 lbs. or more	42.9	39.2	S	34.3

See footnotes at end of table.

Table B-23.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Two-Digit Commodity and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
99	**Commodity unknown**				
	Total	**44.3**	**S**	**S**	**12.1**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	S	S	S	S

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

[3] Estimates exclude shipments of crude petroleum (SCTG 16).

[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 07. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 18.

[5] Prior to the 2012 CFS, alcohols intended for use as fuel such as ethanol, although not specifically identified, were included in Commodity Code 08. In the 2012 CFS, ethanol moved to Commodity Code 17.

[6] Prior to the 2012 CFS, fuel alcohols such as ethanol were included in Commodity Code 08, although not specifically identified. Also, kerosene was included in Commodity Code 19. In the 2012 CFS, ethanol, fuel alcohols and kerosene moved to Commodity Code 17.

[7] Prior to the 2012 CFS, biodiesel, although not specifically identified, was included in Commodity Code 07. In the 2012 CFS, biodiesel moved to Commodity Code 18.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-24.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
	All commodities[3]	**3.2**	**0.0**	**2.3**	**0.0**	**2.1**	**0.0**	**6.0**
010	Live animals and live fish	32.0	Z	29.3	Z	S	S	29.2
021	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0
022	Corn, except sweet	S	S	S	S	S	S	S
029	Other cereal grains	S	S	S	S	S	S	26.3
031	Fresh or chilled potatoes, except sweet	19.5	0.1	25.4	0.3	35.7	0.8	22.9
032	Fresh or chilled edible vegetables (except potatoes), and dried vegetables	10.9	0.2	10.1	0.3	18.0	0.6	22.3
033	Fruit and nuts, edible, fresh, chilled, or dried	13.4	0.1	12.8	0.3	19.5	0.8	25.8
034	Soy beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soy beans	38.3	Z	S	S	S	S	S
036	Bulbs, live plants, and seeds for sowing, n.e.c.	27.1	Z	42.3	Z	47.9	0.1	36.6
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products	15.3	Z	23.1	Z	26.0	0.1	20.3
041	Eggs, cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, other products of animal origin, n.e.c.	15.3	0.1	22.8	0.2	29.4	0.3	21.3
042	Animal feed preparations	27.7	Z	39.1	0.1	37.3	0.1	34.7
051	Meat and poultry, fresh, chilled, or frozen, meat in brine, dried or smoked	3.4	0.7	3.5	0.5	4.2	0.7	5.8
052	Fish (except live), seafood, and their preparations	11.1	0.2	13.1	0.1	17.8	0.2	23.9
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	39.1
061	Wheat flour, groats, and meal	39.1	Z	48.5	0.1	37.4	Z	20.7
062	Malt, milled rice and corn (broken, flour, groats, and meal, inulin, wheat gluten, milled cereals and other vegetables and grains	S	S	40.9	Z	S	S	40.3
063	Bakery products and food preparations of cereals, flour, starch or milk	19.0	0.2	22.6	0.3	38.1	0.6	22.1
064	Bakery products, including frozen	8.9	0.1	10.5	0.2	12.0	0.4	13.9
071	Dairy products except beverages and preparations of milk	4.5	0.4	5.7	0.6	6.5	0.6	11.2
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13.5	0.3	14.7	0.4	21.4	1.2	16.1
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	24.1	Z	34.8	Z	40.1	Z	36.1
074-R[4]	Animal or vegetable B-fats and oils and their cleavage products, prepared excludes oils and fats treated for use as biodiesel	18.2	0.1	20.0	0.2	19.1	0.3	24.4
075	Sugars confectionery, solid or syrups not containing added flavoring or coloring	33.1	Z	34.1	0.2	38.2	0.4	31.1
076	Confectionery, cocoa, and cocoa preparations	12.1	0.1	9.7	0.1	12.1	0.1	12.2
077	Edible preparations, n.e.c., and vinegar	20.3	0.2	23.2	0.3	21.2	0.6	15.3
078	Nonalcoholic beverages, n.e.c., and ice	8.6	0.1	10.6	0.3	13.1	0.4	13.2
081	Malt beer	19.2	0.1	23.8	0.3	37.5	0.5	12.1
082	Wine and other fermented beverages	13.5	0.1	14.4	0.1	22.5	0.2	20.5
083-R[5]	Spirituous beverages and undenatured ethyl alcohol	12.6	Z	15.1	Z	45.2	Z	10.1
084	Denatured ethyl alcohol, not for ingestion or use as biofuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0
090	Tobacco products	21.6	Z	21.1	Z	23.1	Z	8.8
100	Monumental or building stone, except dolomite	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	Natural sands, except metal-bearing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	Gravel and crushed stone, except dolomite and slate	S	S	41.7	Z	S	S	28.2
131	Salt	S	S	S	S	S	S	S
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133	Dolomite, including monumental, building, and crushed	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139	Other nonmetallic minerals, n.e.c.	28.7	Z	38.0	Z	32.1	Z	S
141	Iron ores and concentrates	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149	Metallic ores and concentrates, except iron	S	S	S	S	S	S	5.3
151	Nonagglomerated bituminous coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159	Coal, except nonagglomerated bituminous coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	Crude petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171-R[6]	Gasoline, and blends of gasoline and 10 percent ethanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172-R[7]	Aviation turbine fuel (types a and b), and kerosene	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	Ethanol, ethanol blends of more than 10 percent ethanol, and other fuel alcohols	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176	Ethanol, for use as biofuels	19.9	Z	20.2	0.1	35.6	0.2	S
181	Fuel oils	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182	Blends of fuel oils and biofuel, biodiesel	S	S	S	S	S	S	27.9
191	Lubricating oils and greases	38.5	0.1	35.7	0.1	33.4	0.1	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	23.2	Z	24.2	0.1	25.0	0.1	29.4
193	Gaseous hydrocarbons	37.4	0.1	22.6	0.1	31.4	0.1	11.4
199	Other products of petroleum refining, and coal products, n.e.c.	17.2	0.3	11.6	1.3	12.1	0.6	15.0
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	19.4	Z	22.4	0.1	30.4	0.1	20.3
202	Inorganic chemicals, n.e.c.	13.9	0.1	18.9	0.9	35.3	1.8	12.5
203	Cyclic hydrocarbons	S	S	S	S	S	S	15.8
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, and acyclic alcohols, and organic acids	34.1	0.2	27.8	0.2	31.6	0.5	20.2
205	Organic chemicals, n.e.c.	21.2	0.2	20.4	0.1	23.8	0.3	12.0
210	Pharmaceutical products	9.7	1.3	13.1	Z	15.6	0.1	5.0
220	Fertilizers and fertilizer materials	29.6	0.1	21.0	0.4	27.6	0.8	15.5
231	Paints and varnishes, enamels, tanning or dyeing extracts, tannins and their derivatives, inks, lakes, toners, and ink	22.5	0.1	30.1	0.1	24.7	0.1	14.2
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	17.5	Z	21.5	Z	30.2	0.1	26.4
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preps	13.9	Z	12.6	Z	14.1	Z	33.0
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preps for photographic use	32.6	0.1	30.7	Z	34.9	0.1	14.8
235	Insecticides, rodenticides, fungicides, herbicides, disinfectants, etc.	45.1	Z	34.3	Z	19.4	Z	36.2

See footnotes at end of table.

Table B-24.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
239	Other chemical products and preparations: glues, prepared explosives, activated natural mineral products, anti-knock preparations, etc.	11.2	Z	17.7	0.1	21.5	0.2	24.8
241	Plastics and rubber in primary forms or sheets	42.5	Z	S	S	S	S	45.1
242	Manmade fibers and plastics basic shapes and articles	21.2	Z	34.7	Z	40.2	0.1	8.8
243	Rubber articles	S	S	S	S	S	S	15.8
250	Logs and other wood in the rough	0.0	0.0	0.0	0.0	0.0	0.0	0.0
261	Wood chips or particles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262	Lumber, wood continuously shaped along any of its edges or faces, shingles and shakes	S	S	S	S	S	S	S
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, and similar laminated wood	0.0	0.0	0.0	0.0	0.0	0.0	0.0
264	Windows, doors, thresholds, and builders' joinery and carpentry of wood, except shingles and shakes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
269	Other wood products	S	S	S	S	S	S	S
271	Pulp of fibrous cellulosic materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272	Newsprint in large rolls or sheets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273	Uncoated paper, tissue, and paperboard in large rolls or sheets	47.7	Z	S	S	S	S	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	S	S	S	S	S	S	27.1
280	Paper or paperboard articles	31.5	Z	22.6	Z	37.5	Z	24.5
291	Printed books, brochures, leaflets, and similar printed products	0.0	0.0	0.0	0.0	0.0	0.0	0.0
292	Newspapers, journals, and periodicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0
293	Advertising material, commercial or trade catalogues, and similar printed products	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	Other printed products	S	S	S	S	44.1	Z	38.4
301	Textile fibers, yarns, and broad woven or knitted fabrics	S	S	S	S	S	S	43.0
302	Textile clothing and accessories, and headgear, except safety	S	S	S	S	S	S	S
303	Textiles and textile articles, n.e.c.	35.9	Z	41.3	Z	36.0	Z	36.7
304	Leather footwear	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	Leather and articles of leather or allied materials, and dressed fur skins	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	Hydraulic cements	S	S	S	S	S	S	36.9
312	Ceramic products	S	S	S	S	S	S	S
313	Glass and glass products	49.4	Z	20.8	Z	36.8	Z	19.5
319	Other nonmetallic mineral products	24.8	Z	37.4	0.1	31.4	Z	S
321	Ferro-alloys, and iron and steel in primary or semi-finished forms, or in powders or granules	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322	Flat-rolled products of iron or steel	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	S	S	S	S	S	S	S
324	Nonferrous metal, except precious, unwrought, or in finished basic shapes, or in powders or granules	40.1	Z	S	S	40.9	Z	S
331	Pipes, tubes, and fittings	12.2	Z	S	S	S	S	S
332	Structures and parts, except prefabricated buildings	3.8	Z	S	S	S	S	S
333	Hand tools, cutlery, except of precious metals, interchangeable tools for hand or machine tools, hardware, and industrial fasteners	S	S	S	S	S	S	S
339	Other articles of metal	S	S	S	S	S	S	32.9
341	Internal-combustion engines and parts	S	S	S	S	S	S	S
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion	S	S	S	S	S	S	S
343	Pumps, compressors, fans, and ventilating or recycling hoods incorporating a fan	S	S	S	S	S	S	S
344	Air-conditioning, refrigerating, or freezing equipment	S	S	7.9	Z	S	S	S
345	Materials-handling, excavating, boring, and related machinery and equipment	S	S	S	S	S	S	S
349	Other mechanical machinery, n.e.c.	49.4	Z	43.6	Z	45.5	Z	33.1
351	Electric motors, generators, rotary or static converters, and transformers	S	S	S	S	S	S	S
352	Electric cooking appliances, electro-thermic, or electro-mechanical domestic appliances	25.4	Z	40.9	Z	S	S	S
353	Line telephone or telegraph apparatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354	Electronic entertainment products, except parts	0.0	0.0	0.0	0.0	0.0	0.0	0.0
355	Computer and electronic office equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0
356	Prepared unrecorded or prerecorded media	S	S	S	S	S	S	S
357	Transmission, and reception apparatus for radio, television, radar, and remote-control	S	S	S	S	S	S	S
358	Electronic components and parts	S	S	S	S	S	S	S
359	Other electronic and electrical equipment, n.e.c.	S	S	S	S	S	S	S
361	Motorized vehicles for transport of less than 10 people, except motorcycles, armored, and recreational	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362	Motor vehicles for the transport of goods, and road tractors for semi-trailers	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363	Other vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
364	Motor vehicles parts and accessories except motorcycles and armored fighting vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
371	Railway equipment including locomotives and rolling stock, railway track fixtures and fittings, and parts	0.0	0.0	0.0	0.0	0.0	0.0	0.0
372	Aircraft and spacecraft	S	S	S	S	S	S	S
373	Ships, boats, and floating structures	0.0	0.0	0.0	0.0	0.0	0.0	0.0
381	Optical elements, instruments, and apparatus, except photographic and cinematographic	0.0	0.0	0.0	0.0	0.0	0.0	0.0
382	Photographic and photocopying machines	S	S	S	S	S	S	S
383	Surveying, hydrographic, oceanographic, hydrological, meteorological, and geophysical instruments and appliances	0.0	0.0	0.0	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-24.

Estimated Measures of Reliability for Shipment Characteristics of Temperature Controlled Shipments[1] by Three-Digit Commodity for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

SCTG code	Commodity description	Value		Tons		Ton-miles[2]		Average miles per shipment—coefficient of variation of number
		Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	Coefficient of variation of number	Standard error of percent of total	
384	Instruments, apparatus, and appliances for medical, surgical, dental, veterinary, or similar purposes	22.5	Z	35.6	Z	32.7	Z	22.6
385	Meters and other instruments and apparatus for measuring or process control	46.7	Z	32.4	Z	33.5	Z	6.6
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	45.4	0.1	S	S	S	S	6.5
401	Arms and ammunition	0.0	0.0	0.0	0.0	0.0	0.0	0.0
402	Toys, games, and sporting equipment	S	S	S	S	S	S	S
409	Miscellaneous manufactured products	S	S	28.4	Z	35.1	Z	22.7
411	Metallic waste and scrap	S	S	S	S	S	S	S
412	Nonmetallic waste and scrap, except from food processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
439	Mixed freight	3.1	0.7	3.7	0.9	5.1	0.8	5.4
999	Commodity unknown	44.3	Z	S	S	S	S	12.1

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[3] Estimates exclude shipments of crude petroleum (SCTG 16).
[4] Prior to the 2012 CFS, oils and fats treated for use as biodiesel were included in Commodity Code 074. In the 2012 CFS, oils and fats treated for use as biodiesel moved to Commodity Code 182.
[5] Prior to the 2012 CFS, denatured alcohol of more than 80 percent by volume was included in Commodity Code 083. In the 2012 CFS, denatured alcohol of more than 80 percent by volume moved to Commodity Code 084.
[6] Prior to the 2012 CFS, Commodity Code 171 only included gasoline. In the 2012 CFS, mixtures of 10 percent ethanol and gasoline moved to Commodity Code 171.
[7] Prior to the 2012 CFS, kerosene was included in Commodity Code 192. In the 2012 CFS, kerosene moved to Commodity Code 172.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-25.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
	Total	**3.2**	**2.3**	**2.1**	**6.0**
212	Mining (except oil and gas)	S	33.1	S	25.9
31–33	Manufacturing	1.8	3.1	3.4	9.8
311	Food manufacturing	2.0	2.5	4.0	11.4
312	Beverage and tobacco product manufacturing	14.9	16.3	15.2	32.0
313	Textile mills	24.2	26.4	27.8	36.0
314	Textile product mills	0.0	0.0	0.0	0.0
315	Apparel manufacturing	0.0	0.0	0.0	0.0
316	Leather and allied product manufacturing	S	S	S	5.5
321	Wood product manufacturing	0.0	0.0	0.0	0.0
322	Paper manufacturing	S	S	S	31.7
323	Printing and related support activities	S	S	32.7	23.2
324	Petroleum and coal products manufacturing	13.7	7.7	19.1	14.5
325	Chemical manufacturing	8.7	13.7	17.3	4.8
326	Plastics and rubber products manufacturing	18.8	36.1	34.1	8.4
327	Nonmetallic mineral product manufacturing	24.7	33.6	26.4	S
331	Primary metal manufacturing	39.6	S	38.3	32.7
332	Fabricated metal product manufacturing	S	S	S	S
333	Machinery manufacturing	S	S	S	20.3
334	Computer and electronic product manufacturing	31.4	S	S	11.3
335	Electrical equipment, appliance, and component manufacturing	23.5	19.6	18.7	3.6
336	Transportation equipment manufacturing	S	44.7	35.1	22.5
337	Furniture and related product manufacturing	0.0	0.0	0.0	0.0
339	Miscellaneous manufacturing	19.6	41.3	32.0	36.0
42	Wholesale trade	5.1	3.8	6.7	6.1
423	Merchant wholesalers, durable goods	18.6	20.5	34.5	7.3
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	0.0	0.0	0.0	0.0
4232	Furniture and home furnishing merchant wholesalers	S	S	S	40.2
4233	Lumber and other construction materials merchant wholesalers	42.7	45.3	S	38.9
4234	Professional and commercial equipment and supplies merchant wholesalers	16.9	27.1	40.1	6.1
4235	Metal and mineral (except petroleum) merchant wholesalers	38.8	38.9	40.4	S
4236	Electrical and electronic goods merchant wholesalers	S	S	S	46.4
4237	Hardware, plumbing and heating equipment and supplies merchant wholesalers	S	S	S	S
4238	Machinery, equipment, and supplies merchant wholesalers	49.7	S	S	S
4239	Miscellaneous durable goods merchant wholesalers	S	S	S	S
424	Merchant wholesalers, nondurable goods	5.0	3.9	6.5	6.4
4241	Paper and paper product merchant wholesalers	31.0	37.6	31.4	S
4242	Drugs and druggists' sundries merchant wholesalers	15.0	16.4	29.7	13.1
4243	Apparel, piece goods, and notions merchant wholesalers	S	S	S	S
4244	Grocery and related product merchant wholesalers	2.9	3.3	6.3	5.6
4245	Farm product raw material merchant wholesalers	30.8	48.7	32.5	23.5
4246	Chemical and allied products merchant wholesalers	20.8	22.1	21.9	S
4247	Petroleum and petroleum products merchant wholesalers	31.1	28.6	32.8	36.5
4248	Beer, wine, and distilled alcoholic beverage merchant wholesalers	8.5	9.7	27.8	10.5
4249	Miscellaneous nondurable goods merchant wholesalers	7.1	14.5	21.9	20.4
4541	Electronic shopping and mail-order houses	13.7	40.8	44.3	32.4
45431	Fuel dealers	18.1	17.2	17.5	10.3
4931[4]	Warehousing and storage	7.9	6.9	9.2	14.6
5111	Newspaper, periodical, book, and directory publishers	0.0	0.0	0.0	0.0
551114	Corporate, subsidiary, and regional managing offices	29.7	44.6	41.9	28.8

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] NAICS codes shown are those covered in the Commodity Flow Survey.

[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
212	**Mining (except oil and gas)**				
	All modes	**S**	**33.1**	**S**	**25.9**
	Single modes	**S**	**32.6**	**S**	**25.0**
	Truck[4]	39.3	28.2	33.9	25.7
	For-hire truck	S	S	S	33.1
	Private truck	45.3	33.5	33.2	16.4
	Rail	40.4	38.3	34.2	5.9
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
31–33	**Manufacturing**				
	All modes	**1.8**	**3.1**	**3.4**	**9.8**
	Single modes	**2.1**	**2.9**	**3.4**	**9.7**
	Truck[4]	2.1	2.9	3.1	9.3
	For-hire truck	3.0	4.1	3.2	4.8
	Private truck	4.5	5.6	5.7	7.3
	Rail	13.0	12.1	11.3	6.0
	Water	25.4	30.4	48.5	43.9
	Inland water	34.3	30.5	S	22.8
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	41.3	26.1	22.3	S
	Multiple waterways	S	S	S	48.7
	Air (includes truck and air)	10.7	S	S	6.3
	Pipeline[5]	S	S	S	S
	Multiple modes	16.0	22.1	11.4	5.6
	Parcel, U.S. Postal Service, or courier	25.1	28.5	30.9	5.4
	Truck and rail	13.9	13.9	14.2	8.8
	Truck and water	29.3	27.5	25.8	S
	Rail and water	S	S	48.0	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
311	**Food manufacturing**				
	All modes	**2.0**	**2.5**	**4.0**	**11.4**
	Single modes	**2.1**	**2.5**	**3.8**	**11.2**
	Truck[4]	2.3	3.0	3.9	11.4
	For-hire truck	3.0	3.6	4.0	5.9
	Private truck	5.9	7.2	6.3	8.4
	Rail	20.7	17.0	18.7	5.6
	Water	36.6	25.1	25.7	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	35.1	23.9	24.4	S
	Multiple waterways	S	17.5	S	S
	Air (includes truck and air)	45.0	27.9	32.1	12.2
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	13.4	14.3	13.7	9.9
	Parcel, U.S. Postal Service, or courier	30.6	24.3	29.3	7.7
	Truck and rail	15.4	15.6	15.7	8.4
	Truck and water	40.6	37.1	41.7	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
312	**Beverage and tobacco product manufacturing**				
	All modes	**14.9**	**16.3**	**15.2**	**32.0**
	Single modes	**16.2**	**16.8**	**16.7**	**33.0**
	Truck[4]	16.8	17.1	18.5	33.8
	For-hire truck	18.7	20.5	18.4	14.0
	Private truck	23.2	21.4	24.2	14.6
	Rail	21.5	24.1	20.5	16.4
	Water	46.7	46.7	47.5	40.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	46.7	46.7	47.5	40.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	28.6	29.4	30.7	15.3
	Parcel, U.S. Postal Service, or courier	S	39.3	S	34.1
	Truck and rail	31.3	35.4	30.5	12.8
	Truck and water	41.5	39.5	40.6	18.5
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
313	**Textile mills**				
	All modes	**24.2**	**26.4**	**27.8**	**36.0**
	Single modes	**24.2**	**26.4**	**27.8**	**36.0**
	Truck[4]	24.2	26.4	27.8	36.0
	For-hire truck	24.2	26.4	27.8	36.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
314	**Textile product mills**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
315	**Apparel manufacturing**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
316	**Leather and allied product manufacturing**				
	All modes	**S**	**S**	**S**	**5.5**
	Single modes	**S**	**S**	**S**	**5.5**
	Truck[4]	S	S	S	5.5
	For-hire truck	S	S	S	0.2
	Private truck	S	26.8	26.8	Z
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
321	**Wood product manufacturing**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
322	**Paper manufacturing**				
	All modes	**S**	**S**	**S**	**31.7**
	Single modes	**S**	**S**	**S**	**31.7**
	Truck[4]	S	S	S	31.7
	For-hire truck	S	S	S	S
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
323	**Printing and related support activities**				
	All modes	**S**	**S**	**32.7**	**23.2**
	Single modes	**S**	**S**	**49.9**	**47.5**
	Truck[4]	S	S	49.9	47.5
	For-hire truck	S	S	49.9	47.5
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**29.7**	**43.4**	**S**	**26.2**
	Parcel, U.S. Postal Service, or courier	29.7	43.4	S	26.2
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
324	**Petroleum and coal products manufacturing**				
	All modes	**13.7**	**7.7**	**19.1**	**14.5**
	Single modes	**13.7**	**7.8**	**19.2**	**10.9**
	Truck[4]	9.7	8.5	10.1	7.9
	For-hire truck	11.0	12.1	11.2	8.5
	Private truck	16.2	13.6	17.2	14.8
	Rail	20.3	11.4	18.4	12.9
	Water	40.6	32.4	S	23.5
	Inland water	42.5	35.1	S	23.3
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	S	S	S	S
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	S	S	S	S
	Multiple modes	**S**	**S**	**38.4**	**30.8**
	Parcel, U.S. Postal Service, or courier	S	S	S	27.7
	Truck and rail	34.8	40.7	36.0	11.2
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
325	**Chemical manufacturing**				
	All modes	**8.7**	**13.7**	**17.3**	**4.8**
	Single modes	**8.8**	**13.7**	**17.4**	**8.8**
	Truck[4]	11.3	10.6	15.6	4.9
	For-hire truck	11.8	14.1	17.0	4.9
	Private truck	12.1	12.8	15.0	4.3
	Rail	22.2	32.9	28.3	3.8
	Water	S	S	28.4	S
	Inland water	S	S	15.6	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	11.6	S	S	7.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**26.4**	**24.6**	**24.7**	**4.8**
	Parcel, U.S. Postal Service, or courier	27.3	32.5	32.7	4.8
	Truck and rail	14.2	38.9	40.9	18.1
	Truck and water	S	S	S	21.6
	Rail and water	S	S	S	S
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
326	**Plastics and rubber products manufacturing**				
	All modes	**18.8**	**36.1**	**34.1**	**8.4**
	Single modes	**18.7**	**36.2**	**34.7**	**11.2**
	Truck[4]	19.3	36.5	35.3	11.5
	For-hire truck	19.4	38.5	35.9	10.6
	Private truck	47.4	42.2	S	24.1
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	47.2	46.7	S	14.6
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**35.9**
	Parcel, U.S. Postal Service, or courier	S	30.7	25.1	36.0
	Truck and rail	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
327	**Nonmetallic mineral product manufacturing**				
	All modes	**24.7**	**33.6**	**26.4**	**S**
	Single modes	**24.3**	**33.9**	**27.0**	**S**
	Truck[4]	23.8	33.9	26.6	S
	For-hire truck	24.7	S	27.4	S
	Private truck	30.6	36.1	29.1	24.1
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	20.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**34.2**	**32.7**	**32.9**	**17.0**
	Parcel, U.S. Postal Service, or courier	S	S	S	45.6
	Truck and rail	18.2	14.3	14.4	0.3
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
331	**Primary metal manufacturing**				
	All modes	**39.6**	**S**	**38.3**	**32.7**
	Single modes	**41.8**	**S**	**38.9**	**49.2**
	Truck[4]	47.3	S	41.0	S
	For-hire truck	49.3	S	43.7	S
	Private truck	39.2	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	43.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**37.6**
	Parcel, U.S. Postal Service, or courier	S	S	S	37.6
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
332	**Fabricated metal product manufacturing**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	S	S	49.9	46.4
	Private truck	S	S	5.6	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**32.7**
	Parcel, U.S. Postal Service, or courier	S	S	S	38.6
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
333	**Machinery manufacturing**				
	All modes	**S**	**S**	**S**	**20.3**
	Single modes	**S**	**S**	**S**	**24.1**
	Truck[4]	S	S	S	28.6
	For-hire truck	S	S	S	23.7
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	S
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**33.5**	**S**	**20.1**
	Parcel, U.S. Postal Service, or courier	S	33.5	S	20.1
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
334	**Computer and electronic product manufacturing**				
	All modes	**31.4**	**S**	**S**	**11.3**
	Single modes	**34.1**	**S**	**S**	**11.3**
	Truck[4]	38.2	S	S	16.3
	For-hire truck	41.4	S	S	15.3
	Private truck	S	6.9	37.7	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	35.2	18.3
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**39.4**	**S**	**S**	**15.2**
	Parcel, U.S. Postal Service, or courier	39.4	S	S	15.2
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
335	**Electrical equipment, appliance, and component manufacturing**				
	All modes	**23.5**	**19.6**	**18.7**	**3.6**
	Single modes	**23.5**	**19.6**	**18.7**	**3.6**
	Truck[4]	22.9	20.0	18.7	5.3
	For-hire truck	23.1	20.1	18.7	2.9
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	33.8	28.5	25.9	7.5
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
336	**Transportation equipment manufacturing**				
	All modes	**S**	**44.7**	**35.1**	**22.5**
	Single modes	**S**	**S**	**45.6**	**30.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	45.6	30.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
337	**Furniture and related product manufacturing**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
339	**Miscellaneous manufacturing**				
	All modes	**19.6**	**41.3**	**32.0**	**36.0**
	Single modes	**20.7**	**42.1**	**32.6**	**S**
	Truck[4]	24.9	42.3	32.8	S
	For-hire truck	23.7	40.3	34.3	13.9
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	41.8	27.6	29.2	11.8
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**20.0**	**29.6**	**27.7**	**36.9**
	Parcel, U.S. Postal Service, or courier	20.0	29.6	27.7	36.9
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
42	**Wholesale trade**				
	All modes	**5.1**	**3.8**	**6.7**	**6.1**
	Single modes	**4.5**	**3.8**	**6.2**	**7.2**
	Truck[4]	4.4	3.9	6.1	7.2
	For-hire truck	11.8	13.0	9.1	10.9
	Private truck	3.1	4.9	3.4	3.5
	Rail	30.9	25.6	24.2	33.4
	Water	26.6	36.5	35.6	16.6
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	27.5	25.4	34.4	16.6
	Multiple waterways	S	S	S	1.1
	Air (includes truck and air)	18.9	40.2	S	13.5
	Pipeline[5]	S	S	S	S
	Multiple modes	**14.4**	**40.4**	**37.1**	**8.8**
	Parcel, U.S. Postal Service, or courier	14.9	20.5	22.9	9.0
	Truck and rail	S	S	S	49.7
	Truck and water	29.5	32.4	31.0	14.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
423	**Merchant wholesalers, durable goods**				
	All modes	**18.6**	**20.5**	**34.5**	**7.3**
	Single modes	**17.5**	**20.8**	**35.0**	**15.9**
	Truck[4]	20.5	20.9	34.0	12.9
	For-hire truck	34.1	23.9	37.3	19.4
	Private truck	34.6	28.8	30.8	17.3
	Rail	0.0	0.0	0.0	0.0
	Water	S	S	S	S
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	48.2	S	S	9.8
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**24.1**	**31.4**	**34.0**	**7.6**
	Parcel, U.S. Postal Service, or courier	24.2	32.9	34.5	7.5
	Truck and rail	S	24.9	S	S
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4232	**Furniture and home furnishing merchant wholesalers**				
	All modes	**S**	**S**	**S**	**40.2**
	Single modes	**S**	**S**	**S**	**41.2**
	Truck[4]	S	S	S	41.2
	For-hire truck	49.8	S	S	S
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4233	**Lumber and other construction materials merchant wholesalers**				
	All modes	**42.7**	**45.3**	**S**	**38.9**
	Single modes	**43.2**	**45.4**	**S**	**39.3**
	Truck[4]	43.2	45.4	S	39.3
	For-hire truck	33.1	31.3	S	40.7
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	All modes	**16.9**	**27.1**	**40.1**	**6.1**
	Single modes	**18.8**	**26.3**	**41.5**	**20.6**
	Truck[4]	16.7	26.0	45.4	17.3
	For-hire truck	28.7	35.1	47.2	19.8
	Private truck	29.3	33.5	24.6	20.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	48.2	S	S	9.9
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**24.3**	**33.3**	**35.3**	**7.3**
	Parcel, U.S. Postal Service, or courier	24.3	33.3	35.3	7.3
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	All modes	**38.8**	**38.9**	**40.4**	**S**
	Single modes	**37.9**	**36.0**	**38.1**	**S**
	Truck[4]	37.9	36.0	38.1	S
	For-hire truck	43.7	34.6	43.7	S
	Private truck	S	S	S	44.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4236	**Electrical and electronic goods merchant wholesalers**				
	All modes	**S**	**S**	**S**	**46.4**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	S	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**20.8**	**44.8**	**31.8**
	Parcel, U.S. Postal Service, or courier	S	20.8	44.8	31.8
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**S**
	Truck[4]	S	S	S	S
	For-hire truck	S	S	S	S
	Private truck	46.9	S	S	S
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**35.5**
	Parcel, U.S. Postal Service, or courier	S	S	S	35.5
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	All modes	**49.7**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**48.6**
	Truck[4]	S	S	S	24.1
	For-hire truck	46.1	S	S	S
	Private truck	S	S	S	29.8
	Rail	0.0	0.0	0.0	0.0
	Water	S	S	S	S
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	35.2	34.4
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**41.1**	**44.6**	**45.5**	**41.8**
	Parcel, U.S. Postal Service, or courier	46.4	41.3	S	44.3
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4239	**Miscellaneous durable goods merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**S**	**S**	**S**	**36.0**
	Truck[4]	S	S	S	36.0
	For-hire truck	S	S	49.9	32.0
	Private truck	S	S	S	42.8
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**16.6**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	16.6	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
424	**Merchant wholesalers, nondurable goods**				
	All modes	**5.0**	**3.9**	**6.5**	**6.4**
	Single modes	**4.4**	**3.9**	**6.1**	**7.6**
	Truck[4]	4.3	4.0	6.0	7.6
	For-hire truck	11.9	13.2	9.0	10.7
	Private truck	3.1	4.9	3.4	3.5
	Rail	30.9	25.6	24.2	33.4
	Water	26.8	36.6	35.6	16.6
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	27.5	25.4	34.4	16.6
	Multiple waterways	S	S	S	1.1
	Air (includes truck and air)	22.0	42.4	S	14.4
	Pipeline[5]	S	S	S	S
	Multiple modes	**14.5**	**42.5**	**38.0**	**14.9**
	Parcel, U.S. Postal Service, or courier	14.9	8.0	12.0	15.7
	Truck and rail	S	S	S	S
	Truck and water	29.4	32.6	31.0	15.2
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4241	**Paper and paper product merchant wholesalers**				
	All modes	**31.0**	**37.6**	**31.4**	**S**
	Single modes	**33.3**	**33.9**	**26.8**	**25.8**
	Truck[4]	33.5	34.0	26.8	21.5
	For-hire truck	S	S	S	S
	Private truck	42.7	41.1	34.9	16.7
	Rail	0.0	0.0	0.0	0.0
	Water	S	S	S	S
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4242	**Drugs and druggists' sundries merchant wholesalers**				
	All modes	**15.0**	**16.4**	**29.7**	**13.1**
	Single modes	**20.0**	**19.2**	**32.2**	**23.9**
	Truck[4]	20.2	19.4	33.0	30.2
	For-hire truck	21.2	24.0	33.3	29.9
	Private truck	S	S	36.4	34.1
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	32.9	S	46.5	34.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**15.1**	**28.7**	**S**	**21.9**
	Parcel, U.S. Postal Service, or courier	15.2	11.9	12.3	21.9
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	All modes	**S**	**S**	**S**	**S**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	S	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4244	**Grocery and related product merchant wholesalers**				
	All modes	**2.9**	**3.3**	**6.3**	**5.6**
	Single modes	**2.9**	**3.4**	**6.0**	**6.1**
	Truck[4]	3.0	3.5	6.3	4.2
	For-hire truck	6.1	6.1	9.3	6.1
	Private truck	3.6	4.4	3.8	3.8
	Rail	15.9	31.4	38.8	18.4
	Water	31.0	34.6	32.7	17.2
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	32.3	34.7	35.7	17.2
	Multiple waterways	5.5	9.2	9.2	Z
	Air (includes truck and air)	42.1	S	S	19.3
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**24.9**	**34.1**	**31.0**	**13.9**
	Parcel, U.S. Postal Service, or courier	19.8	22.6	24.5	14.9
	Truck and rail	S	S	48.0	S
	Truck and water	32.1	33.5	31.1	13.6
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4245	**Farm product raw material merchant wholesalers**				
	All modes	**30.8**	**48.7**	**32.5**	**23.5**
	Single modes	**30.3**	**48.7**	**32.5**	**30.2**
	Truck[4]	33.7	43.5	29.0	S
	For-hire truck	34.2	37.4	37.6	S
	Private truck	S	S	S	S
	Rail	S	S	29.8	S
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	26.1	27.7	31.8	5.9
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**30.4**
	Parcel, U.S. Postal Service, or courier	S	S	S	30.4
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4246	**Chemical and allied products merchant wholesalers**				
	All modes	**20.8**	**22.1**	**21.9**	**S**
	Single modes	**21.7**	**22.1**	**21.9**	**S**
	Truck[4]	24.6	25.0	32.9	40.6
	For-hire truck	34.4	26.7	45.6	10.6
	Private truck	18.8	33.1	43.1	33.0
	Rail	32.7	35.6	35.1	22.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	36.3
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**14.6**
	Parcel, U.S. Postal Service, or courier	S	S	S	14.6
	Truck and rail	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4247	**Petroleum and petroleum products merchant wholesalers**				
	All modes	**31.1**	**28.6**	**32.8**	**36.5**
	Single modes	**31.1**	**28.6**	**32.8**	**31.6**
	Truck[4]	31.4	28.7	33.8	31.0
	For-hire truck	36.4	36.7	38.1	27.3
	Private truck	28.0	S	30.2	S
	Rail	43.5	43.2	45.1	S
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	S	S	S	S
	Multiple modes	**S**	**47.3**	**35.3**	**S**
	Parcel, U.S. Postal Service, or courier	S	47.3	35.3	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	All modes	**8.5**	**9.7**	**27.8**	**10.5**
	Single modes	**8.6**	**9.8**	**28.1**	**10.5**
	Truck[4]	8.7	9.8	28.2	10.7
	For-hire truck	27.7	25.5	38.0	24.9
	Private truck	8.1	9.3	10.8	4.6
	Rail	0.0	0.0	0.0	0.0
	Water	S	S	S	8.9
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	8.9
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	40.0	S
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	S	S	49.0	S
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	S	S	S	S
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	All modes	**7.1**	**14.5**	**21.9**	**20.4**
	Single modes	**7.2**	**13.8**	**20.3**	**21.2**
	Truck[4]	6.6	8.6	8.1	22.2
	For-hire truck	16.5	13.2	10.2	13.8
	Private truck	7.5	10.3	9.2	6.3
	Rail	42.5	36.7	35.7	14.8
	Water	32.6	S	S	27.4
	Inland water	S	S	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	22.1	S	47.2	28.8
	Multiple waterways	S	49.5	49.3	0.3
	Air (includes truck and air)	S	S	S	17.2
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**42.4**	**S**	**S**	**25.1**
	Parcel, U.S. Postal Service, or courier	35.9	18.4	35.8	22.1
	Truck and rail	S	S	S	S
	Truck and water	S	S	S	28.3
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4541	**Electronic shopping and mail-order houses**				
	All modes	**13.7**	**40.8**	**44.3**	**32.4**
	Single modes	**43.7**	**43.7**	**S**	**S**
	Truck[4]	38.3	43.8	S	S
	For-hire truck	S	S	S	21.7
	Private truck	36.3	42.1	S	25.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	35.2	44.5	21.4
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**9.9**	**30.7**	**42.0**	**12.3**
	Parcel, U.S. Postal Service, or courier	9.9	30.7	42.0	12.3
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
45431	**Fuel dealers**				
	All modes	**18.1**	**17.2**	**17.5**	**10.3**
	Single modes	**18.1**	**17.2**	**17.5**	**10.3**
	Truck[4]	18.1	17.2	17.5	10.3
	For-hire truck	S	S	45.9	S
	Private truck	18.2	17.4	17.7	9.4
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**S**	**S**	**S**	**S**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	S	S	S	S
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
4931[6]	**Warehousing and storage**				
	All modes	**7.9**	**6.9**	**9.2**	**14.6**
	Single modes	**8.1**	**6.9**	**9.3**	**8.3**
	Truck[4]	8.3	7.2	7.9	8.3
	For-hire truck	10.5	9.4	11.7	15.3
	Private truck	11.2	8.4	7.7	7.3
	Rail	S	S	41.5	S
	Water	S	33.4	42.1	18.7
	Inland water	16.5	31.6	S	S
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	49.4	S	20.7
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	S	S	S	31.0
	Pipeline[5]	28.2	25.6	S	S
	Multiple modes	**17.4**	**S**	**24.3**	**22.4**
	Parcel, U.S. Postal Service, or courier	22.0	22.5	24.5	16.2
	Truck and rail	S	S	19.6	S
	Truck and water	18.5	20.0	16.4	14.9
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**
5111	**Newspaper, periodical, book, and directory publishers**				
	All modes	**0.0**	**0.0**	**0.0**	**0.0**
	Single modes	**0.0**	**0.0**	**0.0**	**0.0**
	Truck[4]	0.0	0.0	0.0	0.0
	For-hire truck	0.0	0.0	0.0	0.0
	Private truck	0.0	0.0	0.0	0.0
	Rail	0.0	0.0	0.0	0.0
	Water	0.0	0.0	0.0	0.0
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	0.0	0.0	0.0	0.0
	Multiple waterways	0.0	0.0	0.0	0.0
	Air (includes truck and air)	0.0	0.0	0.0	0.0
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**0.0**	**0.0**	**0.0**	**0.0**
	Parcel, U.S. Postal Service, or courier	0.0	0.0	0.0	0.0
	Truck and rail	0.0	0.0	0.0	0.0
	Truck and water	0.0	0.0	0.0	0.0
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

See footnotes at end of table.

Table B-26.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Mode of Transportation for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and mode of transportation	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
551114	**Corporate, subsidiary, and regional managing offices**				
	All modes	**29.7**	**44.6**	**41.9**	**28.8**
	Single modes	**31.2**	**45.0**	**44.9**	**32.4**
	Truck[4]	31.6	45.5	S	31.6
	For-hire truck	45.1	S	S	41.9
	Private truck	36.3	29.8	14.9	28.3
	Rail	34.3	16.3	32.1	22.1
	Water	S	27.9	33.3	5.8
	Inland water	0.0	0.0	0.0	0.0
	Great Lakes	0.0	0.0	0.0	0.0
	Deep sea	S	S	S	S
	Multiple waterways	S	S	S	25.8
	Air (includes truck and air)	S	44.5	S	25.1
	Pipeline[5]	0.0	0.0	0.0	0.0
	Multiple modes	**33.0**	**S**	**S**	**16.9**
	Parcel, U.S. Postal Service, or courier	39.4	30.4	21.6	17.5
	Truck and rail	34.3	34.0	S	24.3
	Truck and water	S	S	S	32.8
	Rail and water	0.0	0.0	0.0	0.0
	Other multiple modes	0.0	0.0	0.0	0.0
	Other modes	**0.0**	**0.0**	**0.0**	**0.0**

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.
[4] “Truck” as a single mode includes shipments that were made by only private truck or only for-hire truck.
[5] Estimates for pipeline exclude shipments of crude petroleum (SCTG 16).
[6] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
212	**Mining (except oil and gas)**			
	Total	**S**	**33.1**	**S**
	Less than 50 miles	39.3	27.2	34.9
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	8.3	5.5	2.9
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0.0	0.0	0.0
31–33	**Manufacturing**			
	Total	**1.8**	**3.1**	**3.4**
	Less than 50 miles	4.2	5.7	5.1
	50 to 99 miles	6.2	3.0	3.0
	100 to 249 miles	3.2	4.3	4.6
	250 to 499 miles	6.1	4.6	7.4
	500 to 749 miles	3.9	7.9	7.3
	750 to 999 miles	5.7	7.9	7.4
	1,000 to 1,499 miles	4.1	5.2	5.7
	1,500 to 1,999 miles	6.4	8.0	8.2
	2,000 miles or more	7.0	7.3	7.6
311	**Food manufacturing**			
	Total	**2.0**	**2.5**	**4.0**
	Less than 50 miles	6.3	6.9	5.5
	50 to 99 miles	6.2	5.7	5.0
	100 to 249 miles	3.2	4.3	4.2
	250 to 499 miles	3.9	3.8	4.1
	500 to 749 miles	3.4	6.5	6.7
	750 to 999 miles	4.8	4.3	4.6
	1,000 to 1,499 miles	3.8	6.0	6.7
	1,500 to 1,999 miles	7.3	7.8	8.2
	2,000 miles or more	10.8	10.4	10.5
312	**Beverage and tobacco product manufacturing**			
	Total	**14.9**	**16.3**	**15.2**
	Less than 50 miles	18.4	20.2	19.2
	50 to 99 miles	21.2	22.7	21.4
	100 to 249 miles	26.6	23.1	25.1
	250 to 499 miles	12.1	16.7	16.9
	500 to 749 miles	40.9	38.9	39.7
	750 to 999 miles	27.8	25.3	26.1
	1,000 to 1,499 miles	13.8	16.4	15.3
	1,500 to 1,999 miles	15.5	18.2	18.1
	2,000 miles or more	15.2	13.3	13.1
313	**Textile mills**			
	Total	**24.2**	**26.4**	**27.8**
	Less than 50 miles	S	S	2.8
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	15.2	12.9	13.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	24.6	21.4	21.4
	750 to 999 miles	28.3	27.9	27.3
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	16.5	19.4	18.9
	2,000 miles or more	S	S	S
314	**Textile product mills**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
315	**Apparel manufacturing**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
316	**Leather and allied product manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	26.8	26.8
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
321	**Wood product manufacturing**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
322	**Paper manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	S	S	S
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
323	**Printing and related support activities**			
	Total	**S**	**S**	**32.7**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	S	S	S
	500 to 749 miles	47.3	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	17.8	19.0
324	**Petroleum and coal products manufacturing**			
	Total	**13.7**	**7.7**	**19.1**
	Less than 50 miles	16.3	9.7	9.6
	50 to 99 miles	20.0	17.7	18.8
	100 to 249 miles	19.2	19.5	21.1
	250 to 499 miles	41.2	31.5	39.5
	500 to 749 miles	20.1	18.7	18.4
	750 to 999 miles	18.4	21.1	20.7
	1,000 to 1,499 miles	32.8	30.1	29.9
	1,500 to 1,999 miles	48.5	S	S
	2,000 miles or more	45.4	49.1	S
325	**Chemical manufacturing**			
	Total	**8.7**	**13.7**	**17.3**
	Less than 50 miles	12.4	18.0	18.5
	50 to 99 miles	23.4	13.0	12.7
	100 to 249 miles	18.0	12.3	11.9
	250 to 499 miles	17.2	24.7	25.2
	500 to 749 miles	17.2	46.6	44.0
	750 to 999 miles	15.6	27.2	26.1
	1,000 to 1,499 miles	13.3	15.9	16.3
	1,500 to 1,999 miles	15.2	19.3	18.1
	2,000 miles or more	18.7	43.1	37.9
326	**Plastics and rubber products manufacturing**			
	Total	**18.8**	**36.1**	**34.1**
	Less than 50 miles	30.5	S	S
	50 to 99 miles	23.7	48.6	39.4
	100 to 249 miles	42.4	38.6	40.7
	250 to 499 miles	16.3	S	S
	500 to 749 miles	27.9	34.4	35.1
	750 to 999 miles	28.6	37.7	35.4
	1,000 to 1,499 miles	25.5	36.5	35.5
	1,500 to 1,999 miles	42.0	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
327	**Nonmetallic mineral product manufacturing**			
	Total	**24.7**	**33.6**	**26.4**
	Less than 50 miles	28.0	36.2	38.6
	50 to 99 miles	S	S	S
	100 to 249 miles	49.1	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	26.2	S	S
	750 to 999 miles	31.3	26.2	27.5
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	33.2	35.4	36.0
	2,000 miles or more	0.0	0.0	0.0
331	**Primary metal manufacturing**			
	Total	**39.6**	**S**	**38.3**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	33.5	40.4	39.8
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
332	**Fabricated metal product manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	49.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	S	S	S
333	**Machinery manufacturing**			
	Total	**S**	**S**	**S**
	Less than 50 miles	41.0	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	0.0	0.0	0.0
334	**Computer and electronic product manufacturing**			
	Total	**31.4**	**S**	**S**
	Less than 50 miles	42.3	48.7	S
	50 to 99 miles	S	S	S
	100 to 249 miles	42.2	S	S
	250 to 499 miles	S	39.3	40.5
	500 to 749 miles	S	S	S
	750 to 999 miles	31.5	S	S
	1,000 to 1,499 miles	38.9	47.8	49.3
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
335	**Electrical equipment, appliance, and component manufacturing**			
	Total	**23.5**	**19.6**	**18.7**
	Less than 50 miles	S	S	S
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	S	S	S
	250 to 499 miles	43.6	34.4	44.2
	500 to 749 miles	37.9	29.7	28.7
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	27.0	24.8	26.3
	1,500 to 1,999 miles	25.5	10.3	5.5
	2,000 miles or more	0.0	0.0	0.0
336	**Transportation equipment manufacturing**			
	Total	**S**	**44.7**	**35.1**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	S	S	S
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	S	39.5	38.6

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
337	**Furniture and related product manufacturing**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
339	**Miscellaneous manufacturing**			
	Total	**19.6**	**41.3**	**32.0**
	Less than 50 miles	30.5	S	S
	50 to 99 miles	41.3	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	23.0	30.2	28.3
	500 to 749 miles	26.1	S	S
	750 to 999 miles	25.7	S	S
	1,000 to 1,499 miles	22.3	S	S
	1,500 to 1,999 miles	40.7	S	S
	2,000 miles or more	26.7	S	S
42	**Wholesale trade**			
	Total	**5.1**	**3.8**	**6.7**
	Less than 50 miles	5.9	6.5	7.6
	50 to 99 miles	11.7	6.5	6.5
	100 to 249 miles	4.8	6.0	5.6
	250 to 499 miles	8.0	6.8	7.4
	500 to 749 miles	11.3	14.3	14.5
	750 to 999 miles	15.5	15.9	15.5
	1,000 to 1,499 miles	9.9	9.6	10.3
	1,500 to 1,999 miles	15.2	18.7	19.6
	2,000 miles or more	11.8	15.6	15.5
423	**Merchant wholesalers, durable goods**			
	Total	**18.6**	**20.5**	**34.5**
	Less than 50 miles	17.5	27.9	29.0
	50 to 99 miles	30.1	27.5	28.3
	100 to 249 miles	21.6	19.6	20.0
	250 to 499 miles	26.5	22.9	24.0
	500 to 749 miles	S	26.8	26.4
	750 to 999 miles	49.2	S	S
	1,000 to 1,499 miles	45.6	S	S
	1,500 to 1,999 miles	27.8	S	S
	2,000 miles or more	28.9	S	S
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4232	**Furniture and home furnishing merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	S	S	S
4233	**Lumber and other construction materials merchant wholesalers**			
	Total	**42.7**	**45.3**	**S**
	Less than 50 miles	49.5	47.9	49.0
	50 to 99 miles	48.6	40.3	43.4
	100 to 249 miles	33.9	45.2	41.5
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4234	**Professional and commercial equipment and supplies merchant wholesalers**			
	Total	**16.9**	**27.1**	**40.1**
	Less than 50 miles	20.1	34.1	33.2
	50 to 99 miles	30.4	27.6	27.8
	100 to 249 miles	26.3	27.0	29.4
	250 to 499 miles	28.2	27.0	27.6
	500 to 749 miles	S	29.8	29.4
	750 to 999 miles	49.9	S	S
	1,000 to 1,499 miles	45.9	S	S
	1,500 to 1,999 miles	33.6	S	S
	2,000 miles or more	30.1	S	S
4235	**Metal and mineral (except petroleum) merchant wholesalers**			
	Total	**38.8**	**38.9**	**40.4**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	41.9	40.9	40.9
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
4236	**Electrical and electronic goods merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	45.9	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4238	**Machinery, equipment, and supplies merchant wholesalers**			
	Total	**49.7**	**S**	**S**
	Less than 50 miles	43.4	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	S	S
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	30.8	42.7	43.3
	2,000 miles or more	42.3	S	S
4239	**Miscellaneous durable goods merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	S	S	S
	50 to 99 miles	S	S	S
	100 to 249 miles	S	11.6	10.7
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
424	**Merchant wholesalers, nondurable goods**			
	Total	**5.0**	**3.9**	**6.5**
	Less than 50 miles	5.9	6.6	7.7
	50 to 99 miles	11.8	6.5	6.5
	100 to 249 miles	4.7	6.1	5.6
	250 to 499 miles	8.0	6.8	7.4
	500 to 749 miles	12.7	14.3	14.5
	750 to 999 miles	16.5	15.6	15.3
	1,000 to 1,499 miles	10.2	9.7	10.4
	1,500 to 1,999 miles	15.2	18.9	19.8
	2,000 miles or more	12.3	15.6	15.5

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4241	**Paper and paper product merchant wholesalers**			
	Total	**31.0**	**37.6**	**31.4**
	Less than 50 miles	34.9	38.6	40.0
	50 to 99 miles	49.0	47.9	45.0
	100 to 249 miles	35.5	30.4	31.5
	250 to 499 miles	S	33.6	31.4
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4242	**Drugs and druggists' sundries merchant wholesalers**			
	Total	**15.0**	**16.4**	**29.7**
	Less than 50 miles	26.8	32.6	32.8
	50 to 99 miles	31.5	21.1	22.3
	100 to 249 miles	12.3	13.3	15.7
	250 to 499 miles	27.5	42.9	41.0
	500 to 749 miles	27.7	S	S
	750 to 999 miles	28.1	33.0	37.3
	1,000 to 1,499 miles	33.6	S	S
	1,500 to 1,999 miles	42.6	S	S
	2,000 miles or more	37.0	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**			
	Total	**S**	**S**	**S**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4244	**Grocery and related product merchant wholesalers**			
	Total	**2.9**	**3.3**	**6.3**
	Less than 50 miles	3.2	4.8	7.6
	50 to 99 miles	7.3	7.9	7.9
	100 to 249 miles	3.0	3.3	3.8
	250 to 499 miles	4.5	5.6	6.3
	500 to 749 miles	11.0	13.6	13.7
	750 to 999 miles	9.8	18.6	18.2
	1,000 to 1,499 miles	9.6	10.1	10.3
	1,500 to 1,999 miles	14.2	19.6	20.6
	2,000 miles or more	14.8	16.2	16.2
4245	**Farm product raw material merchant wholesalers**			
	Total	**30.8**	**48.7**	**32.5**
	Less than 50 miles	37.4	S	S
	50 to 99 miles	21.0	38.8	29.7
	100 to 249 miles	32.8	S	S
	250 to 499 miles	45.8	28.2	35.9
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	45.9	47.5
4246	**Chemical and allied products merchant wholesalers**			
	Total	**20.8**	**22.1**	**21.9**
	Less than 50 miles	13.8	27.4	33.0
	50 to 99 miles	S	44.6	48.2
	100 to 249 miles	27.5	38.1	37.8
	250 to 499 miles	35.4	26.4	27.0
	500 to 749 miles	37.0	37.5	38.3
	750 to 999 miles	34.5	33.1	34.4
	1,000 to 1,499 miles	S	43.8	45.0
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S
4247	**Petroleum and petroleum products merchant wholesalers**			
	Total	**31.1**	**28.6**	**32.8**
	Less than 50 miles	28.8	30.8	30.9
	50 to 99 miles	43.1	45.1	46.5
	100 to 249 miles	35.4	36.3	35.7
	250 to 499 miles	S	37.5	39.6
	500 to 749 miles	47.1	S	S
	750 to 999 miles	46.9	32.3	33.6
	1,000 to 1,499 miles	S	S	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	S	S	S

See footnotes at end of table.

Table B-27.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Distance Shipped for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and distance shipped	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**			
	Total	**8.5**	**9.7**	**27.8**
	Less than 50 miles	7.1	8.7	9.6
	50 to 99 miles	20.3	25.3	27.6
	100 to 249 miles	26.1	32.8	35.9
	250 to 499 miles	S	S	S
	500 to 749 miles	S	S	S
	750 to 999 miles	S	S	S
	1,000 to 1,499 miles	S	48.7	S
	1,500 to 1,999 miles	39.5	39.0	39.2
	2,000 miles or more	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**			
	Total	**7.1**	**14.5**	**21.9**
	Less than 50 miles	13.1	17.3	16.4
	50 to 99 miles	7.8	11.5	10.9
	100 to 249 miles	8.7	13.8	15.9
	250 to 499 miles	10.7	31.4	31.5
	500 to 749 miles	18.7	27.3	29.6
	750 to 999 miles	15.9	35.1	35.4
	1,000 to 1,499 miles	22.2	45.8	S
	1,500 to 1,999 miles	27.9	28.3	28.5
	2,000 miles or more	31.8	33.0	33.2
4541	**Electronic shopping and mail-order houses**			
	Total	**13.7**	**40.8**	**44.3**
	Less than 50 miles	20.4	39.3	S
	50 to 99 miles	21.9	S	S
	100 to 249 miles	23.5	S	S
	250 to 499 miles	17.5	32.5	31.8
	500 to 749 miles	34.0	S	S
	750 to 999 miles	18.5	35.1	35.4
	1,000 to 1,499 miles	19.8	41.3	44.5
	1,500 to 1,999 miles	24.1	S	S
	2,000 miles or more	24.0	31.2	34.1
45431	**Fuel dealers**			
	Total	**18.1**	**17.2**	**17.5**
	Less than 50 miles	19.3	18.3	20.7
	50 to 99 miles	S	48.3	44.1
	100 to 249 miles	45.9	S	S
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
4931[4]	**Warehousing and storage**			
	Total	**7.9**	**6.9**	**9.2**
	Less than 50 miles	8.1	10.8	9.0
	50 to 99 miles	8.5	9.4	9.6
	100 to 249 miles	6.8	7.5	7.4
	250 to 499 miles	21.7	11.9	13.1
	500 to 749 miles	29.3	33.8	33.9
	750 to 999 miles	30.8	30.5	30.3
	1,000 to 1,499 miles	44.9	33.3	35.2
	1,500 to 1,999 miles	47.9	24.0	25.2
	2,000 miles or more	S	S	S
5111	**Newspaper, periodical, book, and directory publishers**			
	Total	**0.0**	**0.0**	**0.0**
	Less than 50 miles	0.0	0.0	0.0
	50 to 99 miles	0.0	0.0	0.0
	100 to 249 miles	0.0	0.0	0.0
	250 to 499 miles	0.0	0.0	0.0
	500 to 749 miles	0.0	0.0	0.0
	750 to 999 miles	0.0	0.0	0.0
	1,000 to 1,499 miles	0.0	0.0	0.0
	1,500 to 1,999 miles	0.0	0.0	0.0
	2,000 miles or more	0.0	0.0	0.0
551114	**Corporate, subsidiary, and regional managing offices**			
	Total	**29.7**	**44.6**	**41.9**
	Less than 50 miles	31.4	41.3	36.7
	50 to 99 miles	38.2	40.9	39.3
	100 to 249 miles	S	S	S
	250 to 499 miles	48.1	S	S
	500 to 749 miles	36.9	32.3	32.2
	750 to 999 miles	40.0	S	S
	1,000 to 1,499 miles	S	49.9	S
	1,500 to 1,999 miles	S	S	S
	2,000 miles or more	37.3	45.1	45.8

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] NAICS codes shown are those covered in the Commodity Flow Survey.

[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
212	**Mining (except oil and gas)**				
	Total	**S**	**33.1**	**S**	**25.9**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	S	9.1
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	23.3	21.8	36.5	S
	10,000 to 49,999 lbs.	31.0	25.6	38.2	23.1
	50,000 to 99,999 lbs.	S	42.4	47.1	34.7
	100,000 lbs. or more	46.0	44.1	40.2	6.1
31–33	**Manufacturing**				
	Total	**1.8**	**3.1**	**3.4**	**9.8**
	Less than 50 lbs.	17.6	17.1	19.8	26.2
	50 to 99 lbs.	24.8	12.4	18.0	15.9
	100 to 499 lbs.	11.0	4.5	8.9	8.7
	500 to 749 lbs.	14.9	3.1	8.3	9.6
	750 to 999 lbs.	17.1	6.2	14.6	12.8
	1,000 to 9,999 lbs.	5.7	5.4	5.4	4.5
	10,000 to 49,999 lbs.	2.4	3.5	3.4	3.3
	50,000 to 99,999 lbs.	5.9	7.4	11.6	10.0
	100,000 lbs. or more	10.9	12.3	10.3	4.2
311	**Food manufacturing**				
	Total	**2.0**	**2.5**	**4.0**	**11.4**
	Less than 50 lbs.	24.0	22.3	19.8	S
	50 to 99 lbs.	23.6	12.8	15.9	19.6
	100 to 499 lbs.	6.8	7.3	8.0	9.1
	500 to 749 lbs.	8.9	8.2	7.5	9.1
	750 to 999 lbs.	8.0	10.2	13.0	13.3
	1,000 to 9,999 lbs.	5.6	8.0	6.3	7.0
	10,000 to 49,999 lbs.	2.5	3.0	4.2	3.3
	50,000 to 99,999 lbs.	8.9	7.0	13.1	10.4
	100,000 lbs. or more	13.9	17.0	17.7	7.0
312	**Beverage and tobacco product manufacturing**				
	Total	**14.9**	**16.3**	**15.2**	**32.0**
	Less than 50 lbs.	S	S	S	29.3
	50 to 99 lbs.	49.9	18.5	S	40.4
	100 to 499 lbs.	24.6	24.7	21.7	S
	500 to 749 lbs.	26.3	39.0	27.0	34.5
	750 to 999 lbs.	23.7	40.8	29.1	S
	1,000 to 9,999 lbs.	22.4	36.9	20.3	S
	10,000 to 49,999 lbs.	15.7	17.0	16.2	13.1
	50,000 to 99,999 lbs.	38.4	31.7	34.7	37.8
	100,000 lbs. or more	S	S	S	33.2
313	**Textile mills**				
	Total	**24.2**	**26.4**	**27.8**	**36.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	38.0	28.8	34.9	27.6
	10,000 to 49,999 lbs.	16.0	15.0	23.5	17.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
314	**Textile product mills**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
315	**Apparel manufacturing**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
316	**Leather and allied product manufacturing**				
	Total	**S**	**S**	**S**	**5.5**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	43.3	22.3	22.3	Z
	10,000 to 49,999 lbs.	S	S	S	5.9
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
321	**Wood product manufacturing**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
322	**Paper manufacturing**				
	Total	**S**	**S**	**S**	**31.7**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	S	S	39.6
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	12.2
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
323	**Printing and related support activities**				
	Total	**S**	**S**	**32.7**	**23.2**
	Less than 50 lbs.	48.1	S	S	27.7
	50 to 99 lbs.	S	49.8	S	35.7
	100 to 499 lbs.	S	S	S	47.1
	500 to 749 lbs.	S	39.2	S	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
324	**Petroleum and coal products manufacturing**				
	Total	**13.7**	**7.7**	**19.1**	**14.5**
	Less than 50 lbs.	S	S	S	44.4
	50 to 99 lbs.	S	37.1	S	42.2
	100 to 499 lbs.	S	S	S	25.0
	500 to 749 lbs.	40.2	35.9	S	38.4
	750 to 999 lbs.	38.7	31.5	S	25.9
	1,000 to 9,999 lbs.	S	22.1	20.1	19.7
	10,000 to 49,999 lbs.	12.3	10.7	9.7	10.5
	50,000 to 99,999 lbs.	11.7	15.3	15.8	11.3
	100,000 lbs. or more	28.6	17.1	26.3	9.8
325	**Chemical manufacturing**				
	Total	**8.7**	**13.7**	**17.3**	**4.8**
	Less than 50 lbs.	20.1	21.2	21.2	5.3
	50 to 99 lbs.	32.8	33.2	27.8	14.0
	100 to 499 lbs.	18.9	23.3	27.9	9.3
	500 to 749 lbs.	26.7	31.7	40.9	12.2
	750 to 999 lbs.	34.7	S	S	19.4
	1,000 to 9,999 lbs.	10.5	11.8	10.3	5.7
	10,000 to 49,999 lbs.	12.5	11.6	16.8	8.1
	50,000 to 99,999 lbs.	20.8	27.0	S	31.3
	100,000 lbs. or more	14.2	20.9	18.1	4.1
326	**Plastics and rubber products manufacturing**				
	Total	**18.8**	**36.1**	**34.1**	**8.4**
	Less than 50 lbs.	S	S	S	26.4
	50 to 99 lbs.	S	S	S	34.2
	100 to 499 lbs.	36.4	45.9	S	14.7
	500 to 749 lbs.	31.7	19.7	22.2	14.2
	750 to 999 lbs.	46.6	S	S	19.3
	1,000 to 9,999 lbs.	27.6	21.4	26.7	12.4
	10,000 to 49,999 lbs.	24.7	23.8	38.7	17.2
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	6.2	S	S	21.4

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
327	**Nonmetallic mineral product manufacturing**				
	Total	**24.7**	**33.6**	**26.4**	**S**
	Less than 50 lbs.	S	S	42.2	18.0
	50 to 99 lbs.	S	S	38.4	S
	100 to 499 lbs.	S	S	42.8	S
	500 to 749 lbs.	S	S	S	43.5
	750 to 999 lbs.	26.1	30.4	31.5	19.3
	1,000 to 9,999 lbs.	33.4	33.6	46.5	S
	10,000 to 49,999 lbs.	27.2	38.7	33.2	S
	50,000 to 99,999 lbs.	36.5	S	34.6	S
	100,000 lbs. or more	45.4	S	8.2	S
331	**Primary metal manufacturing**				
	Total	**39.6**	**S**	**38.3**	**32.7**
	Less than 50 lbs.	S	S	S	35.7
	50 to 99 lbs.	S	S	S	41.5
	100 to 499 lbs.	S	S	S	38.8
	500 to 749 lbs.	S	48.7	S	42.6
	750 to 999 lbs.	S	S	4.8	S
	1,000 to 9,999 lbs.	S	47.1	S	S
	10,000 to 49,999 lbs.	49.9	46.6	41.5	32.5
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
332	**Fabricated metal product manufacturing**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	22.4	32.4	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	42.8
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
333	**Machinery manufacturing**				
	Total	**S**	**S**	**S**	**20.3**
	Less than 50 lbs.	S	S	S	26.1
	50 to 99 lbs.	27.5	32.4	S	41.9
	100 to 499 lbs.	S	38.6	S	48.7
	500 to 749 lbs.	44.6	S	47.9	S
	750 to 999 lbs.	S	S	17.5	S
	1,000 to 9,999 lbs.	S	S	S	35.1
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
334	**Computer and electronic product manufacturing**				
	Total	**31.4**	**S**	**S**	**11.3**
	Less than 50 lbs.	36.9	S	S	12.9
	50 to 99 lbs.	S	S	S	20.5
	100 to 499 lbs.	40.4	41.2	39.1	17.4
	500 to 749 lbs.	S	S	S	37.2
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	49.3	28.7	45.0	24.0
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
335	**Electrical equipment, appliance, and component manufacturing**				
	Total	**23.5**	**19.6**	**18.7**	**3.6**
	Less than 50 lbs.	S	6.1	12.2	18.2
	50 to 99 lbs.	S	23.5	34.7	20.4
	100 to 499 lbs.	28.3	29.3	28.2	4.2
	500 to 749 lbs.	27.3	27.8	37.3	22.0
	750 to 999 lbs.	35.8	21.4	35.2	16.0
	1,000 to 9,999 lbs.	39.9	20.2	21.4	4.4
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
336	**Transportation equipment manufacturing**				
	Total	**S**	**44.7**	**35.1**	**22.5**
	Less than 50 lbs.	S	39.5	38.6	1.2
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	31.7	36.5	5.9
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
337	**Furniture and related product manufacturing**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
339	**Miscellaneous manufacturing**				
	Total	**19.6**	**41.3**	**32.0**	**36.0**
	Less than 50 lbs.	21.3	31.4	32.5	29.9
	50 to 99 lbs.	20.9	S	35.0	S
	100 to 499 lbs.	40.4	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	45.3	S	30.5	S
	1,000 to 9,999 lbs.	31.2	36.1	26.5	44.8
	10,000 to 49,999 lbs.	30.3	35.0	30.3	24.3
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
42	**Wholesale trade**				
	Total	**5.1**	**3.8**	**6.7**	**6.1**
	Less than 50 lbs.	12.4	8.5	16.3	8.8
	50 to 99 lbs.	14.0	10.0	7.1	9.9
	100 to 499 lbs.	6.0	5.6	5.6	6.8
	500 to 749 lbs.	8.0	4.2	5.7	4.2
	750 to 999 lbs.	8.2	2.8	4.9	3.5
	1,000 to 9,999 lbs.	6.3	4.8	4.9	4.2
	10,000 to 49,999 lbs.	4.2	4.9	7.6	6.4
	50,000 to 99,999 lbs.	22.2	24.5	19.2	20.9
	100,000 lbs. or more	25.2	24.6	21.8	34.3
423	**Merchant wholesalers, durable goods**				
	Total	**18.6**	**20.5**	**34.5**	**7.3**
	Less than 50 lbs.	13.3	18.3	17.3	7.5
	50 to 99 lbs.	44.1	35.7	45.2	19.1
	100 to 499 lbs.	26.9	25.6	38.7	24.0
	500 to 749 lbs.	S	42.3	47.8	18.3
	750 to 999 lbs.	S	35.6	S	39.2
	1,000 to 9,999 lbs.	27.8	40.6	S	29.5
	10,000 to 49,999 lbs.	39.1	23.3	49.2	22.6
	50,000 to 99,999 lbs.	42.0	43.8	45.2	S
	100,000 lbs. or more	S	S	S	S
4231	**Motor vehicle and motor vehicle parts and supplies merchant wholesalers**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4232	**Furniture and home furnishing merchant wholesalers**				
	Total	**S**	**S**	**S**	**40.2**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	17.8	S	S
	100 to 499 lbs.	S	S	S	49.4
	500 to 749 lbs.	S	48.2	S	S
	750 to 999 lbs.	48.0	S	S	S
	1,000 to 9,999 lbs.	S	S	S	13.2
	10,000 to 49,999 lbs.	S	41.5	S	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4233	**Lumber and other construction materials merchant wholesalers**				
	Total	**42.7**	**45.3**	**S**	**38.9**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	35.3	S	43.0
	10,000 to 49,999 lbs.	S	45.7	S	42.4
	50,000 to 99,999 lbs.	44.6	44.4	S	14.7
	100,000 lbs. or more	S	S	S	S

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4234	**Professional and commercial equipment and supplies merchant wholesalers**				
	Total	**16.9**	**27.1**	**40.1**	**6.1**
	Less than 50 lbs.	13.9	19.6	18.5	6.5
	50 to 99 lbs.	44.4	36.1	45.4	19.3
	100 to 499 lbs.	31.2	29.2	41.1	25.4
	500 to 749 lbs.	S	48.3	49.7	41.0
	750 to 999 lbs.	S	41.8	S	35.0
	1,000 to 9,999 lbs.	46.5	S	S	33.1
	10,000 to 49,999 lbs.	46.9	27.9	42.6	16.7
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4235	**Metal and mineral (except petroleum) merchant wholesalers**				
	Total	**38.8**	**38.9**	**40.4**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	30.7	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	36.1	34.3	34.3	Z
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4236	**Electrical and electronic goods merchant wholesalers**				
	Total	**S**	**S**	**S**	**46.4**
	Less than 50 lbs.	S	23.6	S	41.0
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	S	S
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4237	**Hardware, plumbing and heating equipment and supplies merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	41.0	S	S	39.7
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4238	**Machinery, equipment, and supplies merchant wholesalers**				
	Total	**49.7**	**S**	**S**	**S**
	Less than 50 lbs.	34.4	32.9	S	S
	50 to 99 lbs.	S	S	45.7	S
	100 to 499 lbs.	S	32.1	32.4	27.8
	500 to 749 lbs.	S	S	S	S
	750 to 999 lbs.	40.0	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	7.9	30.0	22.8
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4239	**Miscellaneous durable goods merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	S	39.7	S	S
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	6.6	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
424	**Merchant wholesalers, nondurable goods**				
	Total	**5.0**	**3.9**	**6.5**	**6.4**
	Less than 50 lbs.	12.7	8.5	19.1	11.7
	50 to 99 lbs.	14.1	10.6	9.2	11.0
	100 to 499 lbs.	6.0	5.7	4.8	6.7
	500 to 749 lbs.	7.9	4.1	5.7	4.2
	750 to 999 lbs.	7.9	2.6	4.1	2.8
	1,000 to 9,999 lbs.	6.3	4.9	4.3	3.8
	10,000 to 49,999 lbs.	4.2	4.9	7.7	6.5
	50,000 to 99,999 lbs.	22.6	25.0	19.6	21.3
	100,000 lbs. or more	25.4	25.0	21.9	33.7

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4241	**Paper and paper product merchant wholesalers**				
	Total	**31.0**	**37.6**	**31.4**	**S**
	Less than 50 lbs.	38.2	42.4	S	S
	50 to 99 lbs.	S	45.8	S	27.1
	100 to 499 lbs.	S	35.0	37.2	17.2
	500 to 749 lbs.	S	S	S	25.0
	750 to 999 lbs.	S	48.6	38.8	28.2
	1,000 to 9,999 lbs.	28.3	30.7	19.4	45.8
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4242	**Drugs and druggists' sundries merchant wholesalers**				
	Total	**15.0**	**16.4**	**29.7**	**13.1**
	Less than 50 lbs.	14.4	10.1	12.7	14.7
	50 to 99 lbs.	19.0	12.6	12.6	12.5
	100 to 499 lbs.	12.9	19.6	28.5	20.6
	500 to 749 lbs.	47.4	42.2	37.7	S
	750 to 999 lbs.	26.2	S	45.8	S
	1,000 to 9,999 lbs.	42.7	23.7	23.4	S
	10,000 to 49,999 lbs.	25.6	45.1	43.8	16.2
	50,000 to 99,999 lbs.	S	S	34.8	S
	100,000 lbs. or more	S	S	S	S
4243	**Apparel, piece goods, and notions merchant wholesalers**				
	Total	**S**	**S**	**S**	**S**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4244	**Grocery and related product merchant wholesalers**				
	Total	**2.9**	**3.3**	**6.3**	**5.6**
	Less than 50 lbs.	10.4	11.2	23.5	13.4
	50 to 99 lbs.	12.1	12.7	10.5	10.6
	100 to 499 lbs.	5.5	6.8	5.8	5.3
	500 to 749 lbs.	3.5	4.5	6.2	4.1
	750 to 999 lbs.	3.9	2.8	4.2	2.9
	1,000 to 9,999 lbs.	4.4	5.3	4.9	4.1
	10,000 to 49,999 lbs.	3.5	4.5	8.3	5.9
	50,000 to 99,999 lbs.	8.0	16.1	17.2	20.2
	100,000 lbs. or more	24.2	23.4	37.2	23.5
4245	**Farm product raw material merchant wholesalers**				
	Total	**30.8**	**48.7**	**32.5**	**23.5**
	Less than 50 lbs.	S	S	S	20.3
	50 to 99 lbs.	S	S	S	46.3
	100 to 499 lbs.	S	43.9	S	48.5
	500 to 749 lbs.	S	S	28.5	S
	750 to 999 lbs.	S	S	38.5	S
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	27.4	S	44.0	S
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	29.8	S
4246	**Chemical and allied products merchant wholesalers**				
	Total	**20.8**	**22.1**	**21.9**	**S**
	Less than 50 lbs.	35.1	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	33.0	37.8	S
	500 to 749 lbs.	43.8	S	44.4	S
	750 to 999 lbs.	42.8	40.7	38.1	S
	1,000 to 9,999 lbs.	25.5	S	S	S
	10,000 to 49,999 lbs.	26.2	28.9	30.0	35.6
	50,000 to 99,999 lbs.	35.2	S	46.5	S
	100,000 lbs. or more	33.8	36.5	35.2	18.1
4247	**Petroleum and petroleum products merchant wholesalers**				
	Total	**31.1**	**28.6**	**32.8**	**36.5**
	Less than 50 lbs.	S	S	S	S
	50 to 99 lbs.	S	S	S	S
	100 to 499 lbs.	S	S	38.9	S
	500 to 749 lbs.	S	S	32.4	S
	750 to 999 lbs.	44.5	27.8	S	34.6
	1,000 to 9,999 lbs.	36.9	S	S	S
	10,000 to 49,999 lbs.	21.8	35.3	25.3	30.4
	50,000 to 99,999 lbs.	36.1	34.7	40.1	11.4
	100,000 lbs. or more	S	S	34.9	S

See footnotes at end of table.

Table B-28.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by NAICS[2] and Shipment Weight for the United States: 2012—Con.

[Estimates are based on data from the 2012 Commodity Flow Survey]

NAICS code	NAICS title and shipment weight	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[3]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
4248	**Beer, wine, and distilled alcoholic beverage merchant wholesalers**				
	Total	**8.5**	**9.7**	**27.8**	**10.5**
	Less than 50 lbs.	24.4	23.2	41.0	S
	50 to 99 lbs.	20.2	13.7	38.2	31.3
	100 to 499 lbs.	17.4	9.6	10.7	4.5
	500 to 749 lbs.	10.0	11.8	15.0	9.0
	750 to 999 lbs.	13.9	12.0	14.8	8.5
	1,000 to 9,999 lbs.	12.1	13.0	17.1	8.1
	10,000 to 49,999 lbs.	20.7	24.6	S	34.6
	50,000 to 99,999 lbs.	S	S	S	S
	100,000 lbs. or more	S	S	S	S
4249	**Miscellaneous nondurable goods merchant wholesalers**				
	Total	**7.1**	**14.5**	**21.9**	**20.4**
	Less than 50 lbs.	8.5	15.5	S	27.6
	50 to 99 lbs.	9.6	11.2	36.8	32.6
	100 to 499 lbs.	10.9	8.6	20.6	20.7
	500 to 749 lbs.	11.5	11.8	12.1	17.6
	750 to 999 lbs.	11.9	11.2	11.9	12.3
	1,000 to 9,999 lbs.	6.7	9.1	10.2	8.3
	10,000 to 49,999 lbs.	17.6	14.0	15.3	16.3
	50,000 to 99,999 lbs.	38.1	39.1	43.9	25.3
	100,000 lbs. or more	43.9	39.2	38.1	24.0
4541	**Electronic shopping and mail-order houses**				
	Total	**13.7**	**40.8**	**44.3**	**32.4**
	Less than 50 lbs.	9.8	25.3	34.1	20.5
	50 to 99 lbs.	42.5	29.7	S	S
	100 to 499 lbs.	33.3	S	S	29.3
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	S	S	S	S
	10,000 to 49,999 lbs.	S	S	S	S
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
45431	**Fuel dealers**				
	Total	**18.1**	**17.2**	**17.5**	**10.3**
	Less than 50 lbs.	21.6	25.5	30.1	14.4
	50 to 99 lbs.	23.2	19.5	24.0	13.7
	100 to 499 lbs.	19.1	19.3	20.2	10.5
	500 to 749 lbs.	21.6	21.0	22.2	15.2
	750 to 999 lbs.	21.7	22.1	25.6	5.3
	1,000 to 9,999 lbs.	16.8	15.2	15.8	10.8
	10,000 to 49,999 lbs.	S	S	S	26.5
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
4931[4]	**Warehousing and storage**				
	Total	**7.9**	**6.9**	**9.2**	**14.6**
	Less than 50 lbs.	45.0	24.0	32.8	15.0
	50 to 99 lbs.	23.9	22.5	27.8	25.1
	100 to 499 lbs.	S	28.0	32.1	25.3
	500 to 749 lbs.	34.6	37.9	S	24.6
	750 to 999 lbs.	47.2	25.3	34.9	26.2
	1,000 to 9,999 lbs.	19.0	8.6	20.1	11.1
	10,000 to 49,999 lbs.	6.6	7.1	8.6	4.8
	50,000 to 99,999 lbs.	S	S	S	6.1
	100,000 lbs. or more	23.4	17.8	7.7	10.5
5111	**Newspaper, periodical, book, and directory publishers**				
	Total	**0.0**	**0.0**	**0.0**	**0.0**
	Less than 50 lbs.	0.0	0.0	0.0	0.0
	50 to 99 lbs.	0.0	0.0	0.0	0.0
	100 to 499 lbs.	0.0	0.0	0.0	0.0
	500 to 749 lbs.	0.0	0.0	0.0	0.0
	750 to 999 lbs.	0.0	0.0	0.0	0.0
	1,000 to 9,999 lbs.	0.0	0.0	0.0	0.0
	10,000 to 49,999 lbs.	0.0	0.0	0.0	0.0
	50,000 to 99,999 lbs.	0.0	0.0	0.0	0.0
	100,000 lbs. or more	0.0	0.0	0.0	0.0
551114	**Corporate, subsidiary, and regional managing offices**				
	Total	**29.7**	**44.6**	**41.9**	**28.8**
	Less than 50 lbs.	33.6	30.6	26.6	22.4
	50 to 99 lbs.	43.8	S	49.3	S
	100 to 499 lbs.	20.6	S	S	S
	500 to 749 lbs.	50.0	S	41.1	S
	750 to 999 lbs.	S	S	S	S
	1,000 to 9,999 lbs.	S	S	34.9	S
	10,000 to 49,999 lbs.	40.7	S	S	S
	50,000 to 99,999 lbs.	28.0	31.6	14.9	S
	100,000 lbs. or more	44.1	S	S	17.4

S Withheld because estimate did not meet publication standards.
Z Rounds to zero.
[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.
[2] NAICS codes shown are those covered in the Commodity Flow Survey.
[3] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.
[4] For tabulation and publication purposes, NAICS 484 is grouped with NAICS 4931.
Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-29.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Origin State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Origin state	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
Total	**3.2**	**2.3**	**2.1**	**6.0**
Alabama	17.8	11.1	21.5	13.6
Alaska	27.1	27.8	17.7	14.4
Arizona	19.5	23.3	21.3	15.9
Arkansas	17.4	16.9	28.0	35.0
California	9.1	5.5	7.5	12.0
Colorado	26.7	27.8	32.3	18.5
Connecticut	23.9	31.6	20.6	26.9
Delaware	31.5	30.4	37.5	21.8
District of Columbia	35.8	46.4	S	S
Florida	9.1	8.3	10.1	22.9
Georgia	16.3	12.8	14.2	16.6
Hawaii	9.8	13.0	26.3	45.2
Idaho	15.7	21.2	28.7	24.2
Illinois	14.0	8.9	14.8	13.0
Indiana	12.2	17.9	20.3	19.7
Iowa	9.8	9.5	18.9	11.3
Kansas	31.2	43.1	24.9	13.6
Kentucky	17.3	17.2	16.7	12.3
Louisiana	15.8	25.1	39.9	29.2
Maine	21.0	21.0	23.8	28.8
Maryland	16.3	10.0	14.9	13.4
Massachusetts	24.3	43.4	22.6	9.1
Michigan	10.1	27.2	17.5	15.5
Minnesota	10.3	12.7	10.3	10.8
Mississippi	16.2	13.7	13.3	13.2
Missouri	12.4	31.5	20.5	13.9
Montana	18.3	32.0	36.9	19.1
Nebraska	14.7	18.5	16.0	9.4
Nevada	31.3	36.6	35.1	26.1
New Hampshire	31.5	37.1	S	S
New Jersey	17.7	11.0	9.0	12.3
New Mexico	26.5	24.7	22.6	S
New York	9.8	22.8	13.5	31.4
North Carolina	18.2	15.8	19.6	15.1
North Dakota	25.3	29.3	34.3	32.1
Ohio	9.5	12.1	15.0	29.1
Oklahoma	9.0	9.3	13.1	18.7
Oregon	13.4	16.7	22.2	17.6
Pennsylvania	24.5	8.4	10.9	14.5
Rhode Island	37.1	39.9	36.4	S
South Carolina	9.9	8.9	15.8	23.6
South Dakota	13.5	21.0	17.6	33.1
Tennessee	18.1	15.6	13.7	21.2
Texas	11.6	10.3	11.2	23.5
Utah	10.2	14.0	26.4	29.1
Vermont	14.2	24.5	19.3	S
Virginia	8.2	9.3	11.3	10.6
Washington	13.6	15.6	17.9	17.6
West Virginia	34.1	26.0	37.0	16.4
Wisconsin	8.2	15.9	14.0	17.0
Wyoming	21.8	24.1	35.5	20.6

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See "Mileage Calculations" section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Table B-30.

Estimated Coefficients of Variation for Shipment Characteristics of Temperature Controlled Shipments[1] by Destination State for the United States: 2012

[Estimates are based on data from the 2012 Commodity Flow Survey]

Destination state	Value—coefficient of variation of number	Tons—coefficient of variation of number	Ton-miles[2]—coefficient of variation of number	Average miles per shipment—coefficient of variation of number
Total	**3.2**	**2.3**	**2.1**	**6.0**
Alabama	10.2	13.7	14.8	7.5
Alaska	13.0	16.8	9.1	9.1
Arizona	17.7	16.0	17.5	22.6
Arkansas	16.2	20.7	14.4	32.1
California	6.9	5.5	7.1	9.8
Colorado	14.5	17.8	13.4	37.3
Connecticut	14.0	23.0	12.3	21.3
Delaware	7.6	27.8	44.3	25.5
District of Columbia	13.1	15.7	21.7	37.2
Florida	7.3	6.4	6.9	9.1
Georgia	13.2	7.1	6.9	6.9
Hawaii	9.3	12.4	17.5	23.7
Idaho	12.4	13.6	10.4	19.7
Illinois	12.1	8.3	12.7	33.1
Indiana	4.8	6.2	6.7	11.9
Iowa	10.1	13.0	11.5	16.5
Kansas	29.9	33.2	16.6	10.3
Kentucky	12.6	18.2	33.2	24.3
Louisiana	8.1	12.1	9.1	15.2
Maine	16.2	15.5	17.0	15.4
Maryland	10.2	6.6	11.1	18.1
Massachusetts	12.9	14.9	17.2	23.3
Michigan	8.2	14.0	6.7	19.2
Minnesota	9.5	12.1	8.6	8.9
Mississippi	7.7	13.5	11.2	11.7
Missouri	10.4	21.7	13.2	12.3
Montana	10.7	11.9	13.2	9.6
Nebraska	17.7	23.3	22.6	15.4
Nevada	16.5	12.2	10.3	18.7
New Hampshire	21.2	32.5	19.7	16.5
New Jersey	9.5	9.9	11.5	20.5
New Mexico	12.2	15.8	15.5	35.3
New York	16.1	15.9	8.3	30.2
North Carolina	8.2	10.9	11.5	9.3
North Dakota	11.5	12.4	15.4	9.8
Ohio	10.3	11.7	10.1	26.4
Oklahoma	5.8	7.5	12.1	12.1
Oregon	8.5	14.2	10.7	17.0
Pennsylvania	8.8	7.0	8.1	14.1
Rhode Island	24.5	48.7	14.8	S
South Carolina	8.3	10.3	12.9	12.5
South Dakota	13.7	19.8	15.6	13.2
Tennessee	10.6	12.8	5.4	12.1
Texas	8.4	6.8	4.9	5.9
Utah	7.7	7.5	13.6	11.0
Vermont	9.2	11.6	13.0	40.8
Virginia	8.5	7.5	7.3	11.7
Washington	9.2	11.3	6.9	27.8
West Virginia	15.6	17.5	14.0	14.2
Wisconsin	7.9	13.6	5.9	14.0
Wyoming	14.5	10.5	16.1	22.9

S Withheld because estimate did not meet publication standards.

[1] Shipments that are temperature controlled are transported in a vehicle or container that regulates or maintains the temperature when en route to its destination.

[2] Ton-miles estimates are based on estimated distances traveled along a modeled transportation network. See “Mileage Calculations” section for additional information.

Note: The Introduction and appendixes give information on confidentiality protection, sampling error, nonsampling error, sample design and definitions. Links to this information on the Internet may be found at <www.census.gov/cfs>.

Appendix C.
Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 2012 Commodity Flow Survey (CFS) was to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A secondary objective was to estimate the volume of shipments moving from one geographic area to another (i.e., flows of commodities between states, regions, etc.) by mode and commodity. A detailed description of the sample design for the 2012 CFS is provided below.

SAMPLE DESIGN

Overview

The sample for the 2012 CFS was selected using a stratified three-stage design in which the first-stage sampling units were establishments, the second-stage sampling units were groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units were shipments.

First Stage—Establishment Selection

To create the first-stage sampling frame, a subset of establishment records (as of July 2011) was extracted from the Census Bureau's Business Register. The Business Register is a database of all known establishments located in the United States or its territories. An establishment is a single physical location where business transactions take place or services are performed. Establishments located in the United States, having nonzero payroll in 2010, and classified in mining (except oil and gas extraction), manufacturing, wholesale, electronic shopping and mail order, fuel dealers, and publishing industries, as defined by the 2007 NAICS, were included on the sampling frame. Certain manufacturers (Prepress services) and wholesalers (manufacturers' sales offices, agents and brokers, and certain importers) were excluded from the frame.

Auxiliary establishments (e.g., truck transportation facilities, warehouses, and central administrative offices) with shipping activity were also included on the sampling frame. Auxiliary establishments are establishments that are primarily involved in rendering support services to other establishments within the same company, instead of for the public, government, or other business firms. All other establishments included on the sampling frame are referred to as nonauxiliary establishments.

Establishments classified in forestry, fishing, utilities, construction, and all other transportation, retail, and services industries were not included on the sampling frame. Farms and government-owned entities (except government-owned liquor stores) were also excluded from the sampling frame. The resulting frame comprised approximately 716,000 establishments as shown in the table below.

Trade area	Establishments on frame	
	2012 CFS	2007 CFS
Mining	5,543	6,789
Manufacturing	305,805	327,826
Wholesale	345,511	356,477
Retail	27,697	25,190
Services	15,599	22,539
Auxiliaries	14,959	14,878
Total	**716,114**	**753,699**

For each establishment, sales, payroll, number of employees, a six-digit NAICS code, name and address, and a primary identifier were extracted, and a measure of size was computed. The measure of size was designed to approximate an establishment's annual total value of shipments for the year 2009.

All of the establishments included on the sampling frame had state and county geographic codes. We used these codes to assign each establishment to one of the 83 CFS metropolitan areas (CFS Areas) defined as a state part of a metropolitan statistical area (MSA) or combined statistical area (CSA). Establishments not located in one of these specified metropolitan areas (MAs) were assigned to a Rest of State (ROS) CFS Area.

Stratification

The sampling frame was stratified by geography, industry, and measure-of-size (MOS) class (with some exceptions for auxiliary establishments and hazardous materials establishments, as described below). The geography by industry cells form the primary strata for the main part of the sample.

Geographic strata were defined by a combination of the 50 states, the District of Columbia, and specific metropolitan areas (called CFS Areas) selected based on their population and importance as transportation gateways. These CFS Areas were defined using the 2009 Office of Management

and Budget's definitions. All other MAs were collapsed with the nonmetropolitan areas within the state into ROS CFS Area strata. When an MA crossed state boundaries, we considered the size of each state part of the MA when determining whether or not to create strata in each state in which the MA was defined. For example, the Chicago CSA makes up two CFS Areas: the Illinois part and the Indiana part. The Wisconsin part of Chicago was too small to be a separate CFS Area and was combined into the Remainder of Wisconsin CFS Area. The table below (second column) summarizes the number of CFS Areas used for sampling by type.

Geographic stratum (CFS Area) type	Number of sampled CFS Areas	Number of published CFS Areas
Actual CSA or MSA (state part)	83	82
CFS area = state (DC, RI)	2	2
ROS = whole state (AK, AR, ID, IA, ME, MS, MT, NM, ND, SD, VT, WV, WY)	13	13
ROS < whole state	36	35
Total number of CFS areas	**134**	**132**

Between the time the CFS sample of establishments was selected and publication of the data, there were changes to the definitions of the MAs used by the CFS. For sampling purposes, the CFS Areas were defined using the 2009 OMB MA definitions. For tabulation and publication, the 2013 OMB definitions were used to define the CFS Areas. As a result, two CFS Areas used for sampling (Stockton, CA and Remainder of New Jersey) disappeared and, for many others, the counties making up the CFS Areas changed. The rightmost column of the table above shows the number of CFS Areas for which data were eventually published.

The industry strata were defined as follows. Within each of the geographic strata, we defined 48 industry groups based on the 2007 NAICS codes:

- Three mining (four-digit NAICS).
- Twenty-one manufacturing (three-digit NAICS).
- Eighteen wholesale (four-digit NAICS).
- Two retail (NAICS 4541 and 45431).
- One services (NAICS 5111).
- Three auxiliary (combinations of NAICS 484, 4931 and 551114).

For auxiliaries that responded to the Advance Survey and were found to be shippers, 134 primary strata were created, one in each geographic stratum, combining NAICS 484, 4931, and 551114. For auxiliary establishments that did not respond to the Advance Survey, two national strata were created as follows:

- One stratum for nonresponding truck transportation establishments and warehousing and storage establishments (NAICS 484 and NAICS 4931).
- One stratum for nonresponding corporate, subsidiary, and regional managing offices establishments (NAICS 551114).

In order to produce good estimates of shipments of hazardous materials (HAZMAT), 20 six-digit NAICS industries with high amounts of HAZMAT shipments were identified and used to form primary strata. The 2007 CFS data were used to identify these industries and in general, these industries were chosen because:

- They had a large (weighted) total value or total tonnage of hazardous materials.
- A high percentage of their (unweighted) shipments were HAZMAT shipments.

Thirteen of the 20 industries were made certainty strata, and the remaining seven industries were made into primary strata defined by state and the six-digit NAICS code.

The table below shows the number and types of primary strata for the main, auxiliary, and HAZMAT parts of the sample. Note that we are counting the number of strata before they are further stratified by MOS size class.

Part of the sample	Number of primary strata
Main part of the sample (134 CFS areas x 45 industries)	6,030
Auxiliary part of the sample:	
Responders to the Advance Survey (134 CFS areas x 1 industry)	134
Nonresponders to the Advance Survey (2 industries)	2
HAZMAT part of the sample:	
Certainty (take-all) strata (13 six-digit NAICS codes)	13
Noncertainty strata (51 states [incl. DC] x 7 six-digit NAICS codes)	357

Determining the Sample Sizes, Stratifying by MOS Size Class, and Sample Selection

The total desired sample size for the first stage sample was approximately 100,000 establishments and was fixed due to budget constraints. Therefore, in addition to defining the strata, a sample size was determined for each primary stratum. This was performed as follows:

- A target coefficient of variation (CV) was assigned to each primary stratum (geography by industry cell).
- Within each primary stratum, substrata defined by MOS were developed to minimize the sample size needed to achieve the target CV. The establishments in the largest MOS size class were taken with certainty. For

the noncertainty substrata, the sample was allocated according to the Neyman allocation, since the Neyman allocation minimizes the sample size needed to achieve a target CV.

- Once the minimum sample sizes for each primary stratum were determined, these were added together and compared to the desired total sample size of 100,000. If the total was not close enough to 100,000, we multiplied all of the target CVs by a fixed factor and repeated the process until the total sample size was close to 100,000.
- The establishments in the geography by industry by MOS size class substrata were selected by simple random sampling without replacement. The total sample size was 102,565 establishments of which 46,265 were selected with certainty (see the table below).

Primary strata type	2012 frame		2012 sample			
			Total sample		Certainty component	
	Establishments	Total MOS (million dollars)	Establishments	MOS of sampled Establishments (million dollars)	Establishments	MOS of certainty Establishments (million dollars)
Main	680,128	8,361,138	95,678	6,215,482	42,187	5,620,044
Auxiliary	14,959	1,330,769	2,433	1,186,608	1,121	1,087,152
HAZMAT	21,027	775,739	4,454	685,595	2,957	669,835
Total	**716,114**	**10,467,646**	**102,565**	**8,087,685**	**46,265**	**7,377,031**

Second Stage—Reporting Week Selection

The frame for the second stage of sampling consisted of the 52 weeks in 2012. Each establishment selected into the 2012 CFS sample was systematically assigned to report for four reporting weeks, one in each quarter of the reference year (2012). Each of the 4 weeks was in the same relative position in the quarter. For example, an establishment might have been requested to report data for the 5th, 18th, 31st, and 44th weeks of the reference year. In this instance, each reporting week corresponds to the 5th week of each quarter. Prior to assignment of weeks to establishments, we sorted the selected sample by primary stratum (geography by industry) and measure-of-size.

Third Stage—Shipment Selection

For each of the four reporting weeks in which an establishment was asked to report, the respondent was requested to construct a sampling frame consisting of all shipments made by the establishment in the reporting week. Each respondent was asked to count or estimate the total number of shipments comprising the sampling frame and to record this number on the questionnaire. For each assigned reporting week, if an establishment made more than 40 shipments during that week, we asked the respondent to select a systematic sample of the establishment's shipments and to provide us with information only about the selected shipments. By design, this systematic sample consisted of between 20 and 40 shipments. If an establishment made 40 or fewer shipments during that week, we asked the respondent to provide information about all of the establishment's shipments made during that week; i.e., no sampling was required.

DATA COLLECTION

Each establishment selected into the CFS sample was mailed a questionnaire for each of its four assigned reporting weeks; that is, an establishment was sent a questionnaire once every quarter of 2012. For a given establishment, the respondent was asked to provide the following information about each of the establishment's reported shipments:

- Shipment ID number
- Shipment date (month, day)
- Shipment value
- Shipment weight in pounds
- Commodity code from Standard Classification of Transported Goods (SCTG) list
- Commodity description
- An indication of whether the shipment was temperature controlled
- United Nations or North American (UN/NA) number for hazardous material shipments
- U.S. destination (city, state, zip code)—or gateway for export shipment
- Modes of transport
- An indication of whether the shipment was an export
- City and country of destination for exports
- Export mode

For a shipment that included more than one commodity, the respondent was instructed to report the commodity that made up the greatest percentage of the shipment's weight.

In addition, establishments were asked to provide information about the use and extent of use of rush delivery services.

IMPUTATION OF SHIPMENT VALUE OR WEIGHT

To correct for nonresponse or an unacceptable value in either the value or weight item for a given shipment, the missing item or unacceptable value (the one that has failed edit) is replaced by a predicted value obtained from a donor imputation model. Such a shipment is considered a "recipient" if its commodity code is valid and one of the two data items (either shipment value or shipment weight) is reported, greater than zero, and passed edit. The recipient's item that is missing or failed edit is imputed as follows:

First a donor shipment for a given recipient with the same five-digit SCTG is selected at random from a pool of potential donor shipments (those with valid SCTGs and with reported and usable shipment value and weight). The donor pools are summarized below in order of preference (the lowest numbered donor pool with a matching shipment is used).

Donor pool	Description of donor pool shipments
1	From same establishment and in the same detailed shipment size class.
2	From same company and in the same detailed shipment size class.
3	From same geographic area and in the same detailed shipment size class.
4	From same establishment and in the same broad shipment size class.
5	From same company and in the same broad shipment size class.
6	From same geographic area and in the same broad shipment size class.
7	From same establishment (no restriction on shipment size).
8	From same company (no restriction on shipment size).
9	From same geographic area (no restriction on shipment size).

Then, the donor's value and weight data are used to calculate a ratio, which is applied to the recipient's reported item, to impute the item that is missing or failed edit. If a donor cannot be found in one of the nine donor pools then the recipient's item is imputed using the median value-to-weight ratio computed using all shipments in the same SCTG as that of the recipient.

Approximately 3 percent of shipment values are imputed, and, similarly, approximately 3 percent of shipment weights are imputed.

ESTIMATION

Estimated totals (e.g., value of shipments, tons, ton-miles) are produced as the sum of weighted shipment data (reported or imputed). Percentage change and percent-of-total estimates are derived using the appropriate estimated totals. Estimates of average miles per shipment are computed by dividing an estimate of the total miles traveled by the estimated number of shipments.

Each shipment has associated with it a single tabulation weight, which was used in computing all estimates to which the shipment contributes. The tabulation weight is a product of seven different component weights. A description of each component weight follows.

CFS respondents provided data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produced an estimate of that establishment's total value of shipments for the entire survey year. To do this, we used four different weights: the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight. Three additional weights are then applied to produce estimates representative of the entire universe. These are the establishment-level adjustment weight, the establishment (or first-stage sample) weight, and the nonresponse post-stratification adjustment weight.

Like establishments, we identified shipments as either certainty or noncertainty. (See the Nonsampling Error section below for a description of how certainty shipments were identified.) For noncertainty shipments, the **shipment weight** was defined as the ratio of the total number of shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled shipments the respondent listed on the questionnaire

for the same week. This weight uses data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, a respondent may have failed to provide sufficient information about a particular sampled shipment. For example, a respondent may not have been able to provide value, weight, or a destination for one of the sampled shipments. If this data item could not be imputed or otherwise obtained, then this shipment did not contribute to tabulations and was deemed unusable. (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes). To account for these unusable shipments, we applied the **shipment nonresponse weight**. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of usable shipments for the same week. The shipment weight for certainty shipments from a particular establishment's reporting week is equal to one.

The **quarter weight** inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent was able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments was set to one. For each establishment, the quarterly estimates were added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment did not provide the Census Bureau with a response for each of its four reporting weeks, we computed a **quarter nonresponse weight**. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of quarters for which the establishment was in business in the survey year (usually four) to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights and the reported (or imputed) shipment values, we computed an estimate of each establishment's value of shipments for the entire survey year. This estimate was multiplied by a factor that adjusts this estimated value to a measure of the establishment's value of shipments or receipts obtained from the 2012 Economic Census. This weight, the **establishment-level adjustment weight**, attempts to correct for any sampling or nonsampling errors caused by the selection of specific reporting weeks or that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment was then weighted by the **establishment weight**. This weight is equal to the reciprocal of the establishment's probability of being selected into the first-stage sample (see Sample Design).

A final adjustment, the **nonresponse post-stratification adjustment weight**, calibrates the weighted shipment value (using all prior weighting factors) to the levels of tabulated revenue data from the 2012 Economic Census for specified post-stratification cells. This accounts for:

- Establishments which did not respond to the survey or from which we did not receive any usable shipment data.
- Changes in the universe of establishments between the time the first-stage sampling frame was constructed (2011) and the year in which the data were collected (2012).

For the preliminary 2012 CFS estimates, the nonresponse post-stratification cells were defined by industry categories, typically by three-digit NAICS codes (for Manufacturing) or four-digit NAICS codes (all other industries). There were approximately 45 nonresponse post-stratification cells.

For the final 2012 CFS estimates, the nonresponse post-stratification cells were defined by state-by-industry categories. The industry categories were the same as those described above for the preliminary estimates. There were approximately 2,300 state-by-industry nonresponse post-stratification cells.

Appendix D.
Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by U.S. agencies and Canadian governments based on the Harmonized System of product classification that is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In 2012, the Commodity Flow Survey provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, respondents were instructed to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment. For the data presented on this report, the SCTG codes were aggregated to the two-digit level.

SCTG	Type of change	Description
07-R	Definition	Prior to the 2012 CFS, fats and oils were all classified under Commodity Code 07. For the 2012 CFS, fats and oils treated for use as biodiesel moved to Commodity Code 18 under Fuel Oils.
074-R	Definition	Prior to the 2012 CFS, fats and oils intended for use as biodiesel were not specifically identified, but were included in Commodity Code 074. In the 2012 CFS, fats and oils intended for use as biodiesel were specified and classified under Commodity Code 182 (biodiesel and blends of biodiesel).
0743-R	Definition	Prior to the 2012 CFS, fats and oils intended for use as biodiesel were not specifically identified, but were included in Commodity Code 0743. In the 2012 CFS, fats and oils intended for use as biodiesel were specified and classified under Commodity Code 182 (biodiesel and blends of biodiesel).
08-R	Definition	Prior to the 2012 CFS, alcohols intended for use as fuel were not specifically identified and were included under SCTG 08. In the 2012 CFS, ethanol for fuel moved to SCTG 17. Additionally, beverages and denatured alcohol were more clearly identified.
083-R	Definition	Prior to the 2012 CFS, denatured alcohol of more than 80 percent alcohol by volume was included in Commodity Code 083. In the 2012 CFS, denatured alcohol of more than 80 percent alcohol by volume was moved to Commodity Code 084, and ethanol for use as biofuel was moved to Commodity Codes 175 and 176.
0831-R	Definition	Prior to the 2012 CFS, both denatured ethyl alcohol and undenatured ethyl alcohol of more than 80 percent alcohol by volume were included in Commodity Code 0831. In the 2012 CFS, denatured alcohol of more than 80 percent by volume was moved to Commodity Code 0841, and ethanol for use as biofuel was specified and moved to Commodity Codes 175 and 176.
084	New	Denatured ethyl alcohol, not for ingestion or use as biofuel.
17-R	Definition	Prior to 2012 CFS, denatured ethyl alcohol and undenatured ethyl alcohol were all classified under SCTG 08. For the 2012 CFS, ethanol that is used for fuel was identified and removed from SCTG 08 to SCTG 17 under fuel alcohols. Also, kerosene, which prior to the 2012 CFS was included in Commodity Code 19, was moved under Commodity Code 17.
171-R	Definition	Prior to the 2012 CFS, Commodity Code 171 only included gasoline, and blends of gasoline and ethanol were not identified. In the 2012 CFS, Commodity Code 171 includes gasoline and mixtures of up to 10 percent ethanol and gasoline.
172-R	Definition	Prior to the 2012 CFS, kerosene was included in Commodity Code 192, and type A jet fuel was classified under Commodity Code 172. In the 2012 CFS, all kerosene is classified under Commodity Code 172.
1720-R	Definition	Prior to the 2012 CFS, kerosene was included in Commodity Code 192, and type A jet fuel was classified under Commodity Code 1720. In the 2012 CFS, all kerosene is classified under Commodity Code 1720.
175	New	Ethanol, ethanol blends of more than 10 percent ethanol, and other fuel alcohols.
176	New	Ethanol, for use as biofuels.
18-R	Definition	Prior to the 2012 CFS, fats and oils intended for use as fuel were not identified as such and were included in Commodity Code 07. In the 2012 CFS, such fats and oils were identified as biodiesel and were moved under Commodity Code 18.
181	New	Fuel oils including diesel, distillate heating oil, and Bunker C (excludes biodiesel).
182	New	Blends of fuel oils including 5 percent or less biodiesel by volume (b5 or less).
1821	New	Blends of fuel oils with more than 5 percent biodiesel by volume, except b100.
1822	New	Biodiesel derived from vegetable oils or animal fats, b100 (excludes mixtures of biodiesel and diesel fuel).

Appendix E.
Sample Questionnaire Instructions and Form

The sample questionnaire instructions and form are shown on the following pages.

Note: Establishments were asked to provide information about the use and extent of use of rush delivery services.

CFS-1100
(11-1-2011)

2012 Commodity Flow Survey

INSTRUCTION GUIDE

Instructions for Completing the Commodity Flow Survey
Please read all instructions.

Contents:

- **Part I** — Instructions for Completing your Questionnaire . . . . . Pages 2–6
- **Part II** — Mode of Transportation Definitions . . . . . Page 7
- **Part III** — State Postal Abbreviation List . . . . . Page 8

To complete the Commodity Flow Survey (CFS) online, visit **econhelp.census.gov/cfs**. See the front page of the questionnaire for log-in information. Instructions, as well as other useful tools, can be found on the website. If you need to contact us by telephone, a representative will be glad to assist you. Call us at **1–800–772–7851**, option "3," between 8:30 a.m. and 5:00 p.m. Eastern time.

NOTICE: Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: Paperwork Project 0607-0932, U.S. Census Bureau, 4600 Silver Hill Road, AMSD – 3K138, Washington, DC 20233-1500. You may e-mail comments to Paperwork@census.gov; use "Paperwork Project 0607-0932" as the subject. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

U.S. DEPARTMENT OF TRANSPORTATION
Research and Innovative Technology Administration
BUREAU OF TRANSPORTATION STATISTICS

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

Part I — Instructions for Completing Your Questionnaire

When entering numerical digits, illustrate as follows:

0	1	2	3	4	5	6	7	8	9

- Use blue or black ballpoint pen.
- Do not use pencil or felt-tip pen.
- Do not put slashes through 0 or 7.

Item A – Verification of Shipping Address

Verify that the address listed at the top of the form is the correct address from where your shipments originate. If the shipping address is correct mark the “Yes” box. If the shipping address is incorrect mark the “No” box, and make the corrections directly to the pre-printed name and address at the top of the form. Shipping address is defined as the location from where shipments originate.

Item B – Verification of Mailing Address

Mark an (X) in the box that correctly identifies the mailing address. If the shipping location can receive mail and has access to the information asked, then mark the appropriate box and skip to Item C.

Otherwise, if you prefer the future CFS questionnaires to be sent elsewhere, as in a headquarters or office building that reports for the physical shipping location, mark the appropriate box and use the space provided in B(2) to enter the preferred mailing address.

Item C – Operating Status

Mark an (X) in the box that best describes this establishment’s operating status during the designated reporting week.

If this establishment was inactive and made no outbound shipments during the designated reporting week then mark an (X) in the appropriate box, skip to the end of the questionnaire, complete the Contact information, and then return the form to the Census Bureau in the envelope provided.

Item D(1) – Total Number of Outbound Shipments

In the space provided enter the total number of outbound shipments ***for the one week reporting period*** printed in Item D(1).

What we mean by a "shipment"

An outbound shipment is a movement of commodities from your establishment to another single location, in one trip. Single shipments may have multiple pieces, and go by multiple vehicles, such as unit trains or truck convoys, but only one destination. A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location. On the other hand, commodities sent from your establishment on a vehicle with multiple destinations constitute multiple shipments. Each location on the route to which your commodities are delivered is considered one shipment.

"Commodities" refer to items that the establishment at this location produces, sells, or distributes. Waste-products (without value) of your location’s operation are not considered commodities and should not be reported.

Item D(1) – Total Number of Outbound Shipments – Continued

Shipments to include

- in this count any materials picked up by the customer ("customer pick-up")
- only those shipments that were sent from the location specified in Item A
- shipments of commodities of all sizes, by any mode of transportation (e.g., parcels)
- any shipment of products from this establishment to another location of the company that are intended for sale (e.g., products moved from this establishment to a company warehouse)

Do not include

- drop-shipments where the origin was not the shipping address in Item A
- shipments such as internal administrative items, inter-office memos, payroll checks, business correspondence, promotional items, etc.
- shipments such as refuse, scrap paper, waste, and recyclable materials unless this establishment is in the business of selling these materials
- shipments of items moved from this location to another location of the company if not intended for commercial activity (e.g., the transfer of office furniture to be used at another location of this company)

Item D(2) – Total Number of Outbound Shipments

Mark an (X) in the appropriate box in Item D(2) to indicate whether you have reported 40 or fewer shipments in Item D(1). If "Yes" is marked, skip to Item F beginning on page 4 and report the information requested for all shipments made during the assigned week.

If "No" is marked, continue with Item E on page 3 to determine the sample of shipments that your establishment should report in Item F.

Item E – Sampling Instructions

If you have more than 40 outbound shipments for the one-week reporting period you are asked to report only a sample of them in Item F. Using the table in Item E, locate the row that includes the number of outbound shipments you reported in Item D(1) and the corresponding “report every” number. Mark an (X) in the space provided.

When sampling your shipments, please use the files, or combination of files that reflect the full range of your location’s shipping activities in terms of modes of transportation used, commodities or products shipped, and destinations.

Note: The sample selected should not exceed 40 outbound shipment records.

An instructional video on how to sample your shipments can be found at econhelp.census.gov/cfs/surveytools. If you still have questions about the sampling process (or any part of the questionnaire) call us at 1–800–772–7851, option “3,” from 8:30 a.m. to 5:00 p.m. Eastern time.

Part I — Instructions for Completing Your Questionnaire – Continued

Item F – Shipment Characteristics

- **Shipment ID Number, Column (B) –** Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date, Column (C) –** Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value, Column (D) –** Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, freight on board plant). If the value is not readily available from your records, please estimate.
- **Net Shipment Weight, Column (E) –** Enter the net weight of the total shipment in whole pounds. If net weight is not readily available from your records, please estimate. Convert all other types of measurements to whole pounds (e.g., gallons, tons, cubic yards).
- **SCTG Commodity Code, Column (F) –** Use the list of commodity codes provided in the accompanying 2012 Standard Classification of Transported Goods (SCTG) Commodity Codes booklet to select the proper 5-digit code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight. Mixed freight categories are also available for some standard groupings of commodities. For assistance in locating the appropriate commodity code, refer to the alphabetized quick reference at the beginning of the 2012 SCTG Commodity Codes booklet. Additional assistance is available at econhelp.census/gov/cfs.
- **Commodity Description, Column (G) –** Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.
- **Temperature Controlled, Column (H) –** A temperature controlled shipment is defined as a shipment that is transported in a vehicle or container that regulates the temperature while en route (such as heating and refrigeration) or maintaining the temperature of the commodity at the time of loading (such as insulation). This excludes shipments of commodities that have temperature sensitivity without a means of controlling the temperature in the vehicle or container while in transport.
- **Hazardous Materials, Column (I) –** If the shipment is a hazardous material, enter the 4-digit United Nations (UN) or North American (NA) number.

Item F SHIPMENT CHARACTERISTICS

Line No. (A)	Your Shipment ID Number (B)	Shipment Date (C) Month	Shipment Date (C) Day	Shipment value (excluding shipping costs) in whole dollars Estimates acceptable. (D)	Net Shipment weight **in pounds** (E)	SCTG commodity code from accompanying booklet (F)	Commodity Description (G)	Temperature Controlled (Y/N)? (H)	If a hazardous material, Enter the "UN" or "NA" number (I)	Continue with column (J) on page 5
0	123-5	4	26	244,235	4,840	34520	Mechanical machinery	Y		➜
00	402H	4	26	1,375	50,125	20222	Sulfuric acid	N	1830	➜
1										➜
2										➜

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Part I — Instructions for Completing Your Questionnaire – Continued

Item F – Shipment Characteristics – Continued

- **U.S. Destination or U.S. Exit Port, Column (J) –** For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver's **"ship to"** address as it appears on the shipping document. For the state portion, use the two-letter state postal abbreviation shown in Part III.

  Important – For export shipments, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, the **port of exit** is the border crossing.

- **Mode(s) of Transport to U.S. Destination, Column (K) –** Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in **Column (J)**). Codes are located on the bottom of pages 5 and 7 of the questionnaire. Enter all that apply in the sequence in which the mode is used. Do not include the export mode of transport in this column, report in **Column (N)**. See Part II for definitions of each mode. Do not use commas (,) to separate each mode.

  For Customer Pick-up – Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

- **Export, Column (L) –** Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" for yes and "N" for no. For the purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions **are** considered exports.

- **Foreign Destination, Column (M) –** Only respond if answer in **Column (L)** is **"Y"**. Enter the foreign city and country of destination. Make sure **Column (J)** and **Column (K)** only contain the domestic portion of the shipment (see above).

- **Export Mode, Column (N) –** Only respond if answer in **Column (L)** is **"Y"**. Enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 5 and 7 of the questionnaire.

U.S. Destination or U.S. Exit Port (Complete for all shipments.) (J)			Mode(s) of transport to U.S. destination **Enter all that apply in order used. Use codes at bottom.** (K)	Export? (Y/N) (L)	Foreign Destination (for export shipments only) **Note:** In column (J) enter the U.S. port, airport, or border crossing of exit (M)		Export Mode (N)
City	State	ZIP Code			City	Country	
Los Angeles	CA	90040	24	Y	Beijing	China	6
Newark	NJ	07105	4	N			

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Page 5

Item G(1) – Rush Deliveries

Mark an (X) in the "Yes" box if any of the shipments reported in Item F required purchase of a faster level of service (e.g., same day/overnight, 2–3 business days, or faster service arrangement provided by hired carriers). If not, mark an (X) in the "No" box and proceed to Item H.

Item G(2) – Rush Deliveries

If "Yes" in Item G(1) list the number of shipments reported in Item F that required the specific type of rush delivery services listed. Enter a number for each type of service.

Item H – Monthly Value of Outbound Shipments

Mark an (X) in the box that corresponds to the total value of all outbound shipments from this location for the most recently completed calendar month.

Contact

Enter the name, title, signature, telephone number, and fax number for the person to contact in the event that we have a question about your report.

Remarks

Use this space to clarify your responses, if needed or to note any critical business changes that have recently occurred or are forthcoming (e.g., closures, plant renovations, merges, etc.).

Part II — Mode of Transportation Definitions

Parcel delivery/Courier/U.S. Parcel Post – Includes ground shipments of packages and parcels that each weigh less than or equal to 150 pounds, and are transported by a for-hire carrier.

Private truck – Trucks operated by employees of this establishment or the buyer/receiver of the shipment. Includes trucks providing dedicated services to this establishment.

For-hire truck – Shipments by common or contract carriers made under a negotiated rate.

Railroad – Any common carrier or private railroad.

Inland water – Barges, ships, or ferries operating primarily in navigable waters, both within and along the borders of the United States, such as:

- Rivers – *Examples: the Mississippi River and Saint Lawrence Seaway*
- Lakes – *Examples: the Great Lakes*
- Along the shoreline but actually in the ocean – *Examples: Intracoastal Waterway along the Atlantic and Gulf coasts and the Inside Passage of Alaska*
- Canals, harbors, major bays, and inlets

Deep sea – Barges, ships, or ferries operating primarily in the open waters of the ocean, outside the borders of the United States.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. (Aqueducts for the movement of water are not included.)

Air – Any shipment sent via air mode.

Other mode – Any mode not listed above.

Unknown – A shipment where you are unable to determine the mode of transportation.

Note: Transportation equipment that is "shipped" under its own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Transportation equipment shipped under its own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other mode."**

Part III — State Postal Abbreviation List

State	Abbreviation	State	Abbreviation
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

FORM
CFS-1000 (2012)
(12-06-2011)

07302011

2012 Commodity Flow Survey

OMB No. 0607-0932: Approval Expires 09/30/2013

DUE DATE:

Return via Mail:

U.S. Census Bureau
1201 East 10th Street
Jeffersonville, IN 47132-0001

OR

Return via Internet:

econhelp.census.gov/cfs

Username:

Password:

Need help or have questions?

Call: 1-800-772-7851, option "3"
M-F, 8:30 a.m. - 5:00 p.m. ET

Make corrections to name, shipping address, and ZIP code if necessary.

Informational Copy

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this form to answer the questions and return the report to the U.S. Census Bureau. By the same law, **YOUR U.S. CENSUS BUREAU REPORT IS CONFIDENTIAL**. It may be seen only by persons sworn to uphold the confidentiality of U.S. Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

INSTRUCTIONS:
- **Refer to the accompanying Instruction Guide for help in answering specific questions.**
- **More information is available at econhelp.census.gov/cfs**

Item A VERIFICATION OF SHIPPING ADDRESS

Is the address listed above the location from which this establishment's shipments originate?

☐ Yes, the address listed above is correct. (Proceed to Item B.)

☐ No, the address is incorrect. (Make changes directly to the address label above.)

Item B VERIFICATION OF MAILING ADDRESS

1. What address should the remaining quarterly 2012 CFS questionnaires be mailed to?

☐ Mail the 2012 CFS questionnaire to this establishment's shipping address. (Proceed to Item C.)

☐ Mail the 2012 CFS questionnaire to the address entered below.

2. Enter your mailing address.

Company Name 1

Company Name 2

Address

City | State | ZIP Code -

United States Census Bureau

07302029

Item C OPERATING STATUS

Which of the following best describes this establishment's operating status during the week of

?

- ☐ In operation
- ☐ Temporarily or seasonally inactive
- ☐ Ceased operation - *Enter date ceased operation* →

Example: (04-09-1978)

☐☐ - ☐☐ - ☐☐☐☐

Item D TOTAL NUMBER OF OUTBOUND SHIPMENTS

For this survey, it is important to obtain information about a sample of the outbound shipments made from this establishment.

*An outbound shipment in this survey is defined as a movement of commodities from your establishment to another **single** location.*

- Remember to include only outbound shipments from your shipping address (address printed on the label).
- Also include customer pick-ups, parcels, and all other outbound shipments.

1. What was the total number of all outbound shipments for this establishment the week of

? . . . . . Total number of outbound shipments ☐☐☐, ☐☐☐, ☐☐☐

Estimates are acceptable.

For further information, refer to the Instruction Guide, page 2.

2. Did you enter 40 or fewer shipments above?

- ☐ Yes (Skip Item E and report all outbound shipments in Item F, pages 4-7.)
- ☐ No (Proceed to Item E, on page 3.)

Informational Copy

Item E SAMPLING INSTRUCTIONS

In order to avoid asking you for information regarding all of your shipments, we will only ask about a sample of them. This section will help you **identify your sample of shipments** that should be reported in Item F.

Using the table below, mark the row that includes the total number of outbound shipments reported in Item D, and the corresponding "report every" number.

Number of outbound shipments reported in Line 1	Report every...	Mark (X) one
1-40	Report every outbound shipment	
41-80	Report every **2nd** outbound shipment	
81-100	Report every **3rd** outbound shipment	
101-200	Report every **5th** outbound shipment	
201-400	Report every **10th** outbound shipment	
401-800	Report every **20th** outbound shipment	
801-1600	Report every **40th** outbound shipment	
1601-3200	Report every **80th** outbound shipment	
3201-6400	Report every **160th** outbound shipment	
6401-12800	Report every **320th** outbound shipment	
More than 12800	Call Census at 1-800-772-7851, option "3", or go to econhelp.census.gov/cfs	

Example:

If an establishment reported 253 shipments in Item D, it would correspond to the range of 201-400 in the table above, and every 10th outbound shipment record would be selected. This means the establishment would count 10 shipment records, select that record, and report it in Item F. Continuing with the next shipment record, the establishment would count 10 shipment records again, select that record, and report it in Item F. The establishment would repeat this until it had gone through the full set of shipment records for the week named in Item D.

For further information, refer to the Instruction Guide, page 3, or visit the business help site at econhelp.census.gov/cfs/surveytools to view an instructional video on how to sample.

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Item F SHIPMENT CHARACTERISTICS

NOTE: Each line runs across pages 4 and 5. After entering column (I) data on page 4 for any line, continue with column (J) on page 5 for the same line.

Line No. (A)	Your Shipment ID Number (B)	Shipment Date (C) Month	Shipment Date (C) Day	Shipment value (excluding shipping costs) in whole dollars. Estimates acceptable. (D)	Net Shipment Weight **in pounds** (E)	SCTG commodity code from accompanying booklet (F)	Commodity Description (G)	Temperature controlled? (Y/N)* (H)	If a hazardous material, enter the "UN" or "NA" number (I)	Continue with column (J) on page 5
0	**123-5**	**4**	**26**	**224,235**	**4,840**	**34520**	**Mechanical machinery**	**Y**		→
00	**402H**	**4**	**26**	**1,375**	**50,125**	**20222**	**Sulfuric acid**	**N**	**1830**	→
1										→
2										→
3										→
4										→
5										→
6										→
7										→
8										→
9										→
10										→
11										→
12										→
13										→
14										→
15										→
16										→
17										→
18										→
19										→
20										→

***Temperature controlled (column H) -** includes shipments in refrigerated, heated, or insulated containers and vehicles.

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Form CFS-1000 (2012) (12-06-2011)

U.S. Destination or U.S. Exit Port (Complete for all shipments.) (J)			Mode(s) of transport to U.S. destination. **Enter all that apply in order used. Use codes at bottom.** (K)	Export? (Y/N) (L)	Foreign Destination (for export shipments only) **Note:** In column (J) enter the U.S. port, airport, or border crossing of exit. (M)		Export mode (N)
City	State	ZIP Code			City	Country	
Los Angeles	**CA**	**90040**	**2 4**	**Y**	**Beijing**	**China**	**6**
Newark	**NJ**	**07105**	**4**	**N**			

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Mode of transport codes for columns (K) and (N):

1 - Parcel delivery, courier, or U.S. Parcel Post
2 - Private truck
3 - For-hire truck
4 - Railroad
5 - Inland water
6 - Deep sea
7 - Pipeline
8 - Air
9 - Other mode
0 - Unknown

Form CFS-1000 (2012) (12-06-2011)

07302060

Item F SHIPMENT CHARACTERISTICS - Continued

NOTE: Each line runs across pages 6 and 7. After entering column (I) data on page 6 for any line, continue with column (J) on page 7 for the same line.

Line No. (A)	Your Shipment ID Number (B)	Shipment Date (C) Month	Shipment Date (C) Day	Shipment value (excluding shipping costs) in whole dollars. Estimates acceptable. (D)	Net Shipment Weight **in pounds** (E)	SCTG Commodity Code from accompanying booklet (F)	Commodity Description (G)	Temperature controlled? (Y/N)* (H)	If a hazardous material, enter the "UN" or "NA" number (I)	Continue with column (J) on page 7
21										→
22										→
23										→
24										→
25										→
26										→
27										→
28										→
29										→
30										→
31										→
32										→
33										→
34										→
35										→
36										→
37										→
38										→
39										→
40										→

***Temperature controlled (column H) -** includes shipments in refrigerated, heated, or insulated containers and vehicles.

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Form CFS-1000 (2012) (12-06-2011)

U.S.Destination or U.S. Exit Port (Complete for all shipments.) (J)			Mode(s) of transport to U.S. destination. **Enter all that apply in order used. Use codes at bottom.**	Export? (Y/N)	Foreign Destination (for export shipments only) **Note:** In column (J) enter the U.S. port, airport, or border crossing of exit. (M)		Export mode
City	State	ZIP Code	(K)	(L)	City	Country	(N)

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Mode of transport codes for columns (K) and (N):

1 - Parcel delivery, courier, or U.S. Parcel Post
2 - Private truck
3 - For-hire truck
4 - Railroad
5 - Inland water
6 - Deep sea
7 - Pipeline
8 - Air
9 - Other mode
0 - Unknown

Form CFS-1000 (2012) (12-06-2011)

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Item G RUSH DELIVERIES

For this survey, rush deliveries require the purchase of a faster level of service by the shipper or buyer (e.g., same day/overnight or 2-3 business days). It also includes faster service provided by hired carriers, as part of an arrangement. Excluded, are shipments that would arrive in the same amount of time without the purchase of a faster level of service, and shipments delivered by company operated vehicles.

1. Considering the shipments reported in Item F, did you use rush delivery service?

☐ Yes

☐ No (Proceed to Item H.)

2. How many shipments, reported in Item F, required the use of the following rush delivery services?

Same day/Overnight. . . . . ☐☐

2-3 business days . . . . . ☐☐

More than 3 business days . . . . . ☐☐

Item H MONTHLY VALUE OF OUTBOUND SHIPMENTS

Which of the following represents your best estimate of the total value of all outbound shipments originating from this establishment for the most recently completed month?

☐ Less than $1 Million

☐ $1 Million or more but less than $10 Million

☐ $10 Million or more but less than $40 Million

☐ $40 Million or more but less than $100 Million

☐ $100 Million or more but less than $400 Million

☐ $400 Million or more

Contact Provide the information below for the contact person regarding this report.

Name - *Please print*

Title - *Please print*

Signature

Area code Phone Number Extension

Area code Fax Number

Remarks Use this space to clarify your responses, if appropriate.

Please return this survey in the enclosed envelope or send it to:
U.S. CENSUS BUREAU
1201 East 10th Street
Jeffersonville IN 47132-0001

THANK YOU FOR COMPLETING THIS REPORT.

Form CFS-1000 (2012) (12-06-2011)

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