

Georgia: 2002

Issued December 2004

EC02TV-GA(RV)

2002 Economic Census

Vehicle Inventory and Use Survey

Geographic Area Series



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Vehicle Inventory and Use Survey

The Vehicle Inventory and Use Survey (VIUS) provides data on the physical and operational characteristics of the nation's truck population. This survey is conducted every 5 years as part of the economic census. Its primary goal is to produce national and state-level estimates of the total number of trucks.

The 2002 VIUS is a probability sample of private and commercial trucks registered (or licensed) in the United States as of July 1, 2002.¹ A sample of about 136,000 trucks was surveyed to measure the characteristics of nearly 89 million trucks registered in the United States. The VIUS excludes vehicles owned by federal, state, and local governments; ambulances; buses; motor homes; farm tractors; unpowered trailer units; and trucks reported to have been disposed of prior to January 1, 2002.

Registration practices for commercial vehicles differ greatly among the states. Some states register a truck-tractor semitrailer combination as a single unit; others register the tractor and the semitrailer separately. For either method of registration, only truck-tractors are included in the registered truck counts. In addition, some states allow pickups, small vans, and sport utility vehicles to be registered as either cars or trucks. Therefore, passenger car files were searched and any such vehicles were included in the sampling frame. Some vehicles, such as "off-highway" trucks used exclusively on private property, are not required to be registered. These vehicles were not included in the sampling frame and had no chance of being selected for the survey.

PURPOSE AND USE OF DATA

The economic census is the major source of facts about the structure and functioning of the nation's economy. It provides the framework for such composite measures as the gross domestic product, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.

VIUS data are of considerable value to government, business, academia, and the general public. Data on the number and types of vehicles and how they are used are important in studying the future growth of transportation and are needed in calculating fees and cost allocations among highway users. The data also are important in evaluating safety risks to highway travelers and in assessing the energy efficiency and environmental impact of the nation's truck fleet. Businesses and others make use of these data in conducting market studies and evaluating market strategies; assessing the utility and cost of certain types of equipment; calculating the longevity of products; determining fuel demands; and linking to, and better utilizing, other data sets representing limited segments of the truck population.

COMPARABILITY WITH PREVIOUS SURVEYS

The results of the 2002 VIUS are comparable, in most instances, to the results of the 1997 VIUS and prior Truck Inventory and Use Surveys (TIUS). Specific changes are as follows:

¹Due to difficulty in obtaining up-to-date vehicle registration records for New Hampshire, the sample was drawn as of September 1, 2001, for this state.

1. **Business** (formerly Major Use).

Changed—

- The kind of business was converted from a Standard Industrial Classification (SIC) basis to a North American Industry Classification System (NAICS) basis. Even though category headings may appear similar, differences in the classification systems should be taken into account for comparability purposes.

2. **Body Type.**

New—

- Categories that were added are: armored; concrete pumper; curtainside; mobile home toter; street sweeper; vacuum; and van, other.

Changed—

- The station wagon category was collapsed into the sport utility category.
- The grain body category was collapsed into the open top van category.
- The platform with added devices category was collapsed into the flatbed, stake, or platform category.
- The category “Winch or crane” was changed to “Crane” (winch was added as a category to the equipment type section).

Deleted—

- The oilfield truck and yard tractor categories were dropped.

3. **Primary Jurisdiction** (formerly Base of Operation).

Changed—

- Estimates were previously calculated for the percentage of miles traveled outside the base-of-operation state. For 2002 estimates are calculated based on jurisdictions in which the vehicle traveled. Estimates of miles traveled in Canada, Mexico, and states other than the home base state are also provided.

4. **Months Operated** (formerly Weeks Operated).

New—

- The “Vehicle not used” category was added.

Changed—

- Categories for time operated were changed from weekly intervals to monthly intervals.

5. **Average Weight (Pounds).**

Changed—

- The category “6,001 to 10,000” was split into “6,001 to 8,500” and “8,501 to 10,000.”

6. **Total Length (Feet).**

New—

- Categories representing lengths of 45 feet up to 80 feet or more were added.

7. **Vehicle Acquisition.**

Deleted—

- The categories “Leased from someone else” and “Other” were dropped.

8. Lease Characteristics.

New—

- Categories for the length of the leasing agreement were added.
- The category “Fuel contract” was added to the provisions of lease section.

Changed—

- The leased section includes a breakout between lessee and lessor.
- The categories “Leased with driver other than owner-operator” and “Leased with owner-operator” were collapsed into the category “Vehicle with driver.”

Deleted—

- The categories “Maintenance on specific parts” and “Other” were dropped from the provisions of lease section.

9. Primary Operator Classification.

New—

- A section for source of hauls was added.

Changed—

- There is limited comparability for this section due to significant changes in the categories and definitions.

Deleted—

- The section “For-hire jurisdiction” was dropped.
- The category “Exempt” was dropped from the type of carrier section.

10. Hazardous Materials Carried.

Deleted—

- All detailed hazardous material data lines were dropped except in Table 8 where distributed mileage appears.

11. Equipment Type.

New—

- Categories added to the equipment type section are: aerial work platform/bucket, air compressor, air springs, collision warning system, computerized drive train control unit, crane, hoist, idle-reducing technology, internet access, lift gate, mounting bar for snowplow, power take-off, toolbox, and winch.
- A section for transmission type was added.

Changed—

- The trip recorder or on-board computer category was broken out into categories distinguishing with or without communication capabilities.
- Categories for radial tires and road speed governor were moved from the fuel conservation equipment section to the equipment type section.
- The front-wheel drive category was moved from the driving wheels section to the equipment type section.

Deleted—

- Categories for power steering and electronic vehicle management system were dropped.

12. **Fuel Type and Engine Size** (formerly Engine Type and Size).

New—

- Respondents were permitted to report fuel combinations if used most often during the year.

Changed—

- The “Liquefied gas or other” category has been broken out into categories for natural gas, propane, alcohol fuels, electricity, and combination.

13. **Refueling Location.**

Changed—

- Response categories were changed significantly. No comparable 1997 data are available for this section.

14. **Maintenance.**

Deleted—

- The category for component distributorship was dropped from the general maintenance section.

15. **Truck Type and Axle Arrangement.**

New—

- The category “4 axles or more” for single-unit trucks and truck tractors without trailer was broken out into “4 axles” and “5 axles or more.”
- Sections for total liftable axles and locations and total liftable axles and number of braking axles were added.

Changed—

- A truck-tractor, if not in operation, was grouped with the single-unit trucks.
- The subgroupings for single-unit truck with trailer and single-unit truck with utility trailer were combined.
- The category “7 axles or more” for truck-tractors with double trailers was broken out into “7 axles” and “8 axles or more.”
- The category “8 axles or more” for truck-tractors with triple trailers was broken out into “8 axles,” “9 axles,” and “10 axles or more.”

Deleted—

- The category for trailer not specified was dropped.

16. **Cab Type.**

New—

- Categories for conventional cab or cab over engine with or without a sleeper were added.

Deleted—

- The category “Other” was dropped.

17. **Additional Changes.**

Not applicable. This category was added to some sections to make the detail lines add to total.

Primary products carried. Truck count detail lines for products carried were dropped from all tables. Distributed mileage for products carried appears in Table 8. Product mileage does not sum to 100 percent because multiple products may be carried at the same time. Products carried, which somewhat followed the SIC system, are now based on the Standard Classification of Transported Goods (SCTG).

Truck fleet size. This section was dropped from all tables.

Fuel conservation equipment. This section was dropped from all tables.

The driving wheels section for pickups, panels, vans, sport utilities and station wagons (4-wheel drive and 2-wheel drive) was dropped.

Table layout. The table layout for the 2002 state publication has changed significantly from the table layout used for the 1997 state publication. Some of the changes include:

1. Table 2 is broken out into Tables 2a (trucks, truck miles, and average annual miles for all trucks), 3a (trucks, truck miles, and average annual miles for trucks, excluding pickups, minivans, other light vans, and sport utilities), 2b (measures of sampling variability for Table 2a), and 3b (measures of sampling variability for Table 3a).
2. Tables 4, 5, 6, 7, and 8 are new:
 - a. Table 4 contains estimates of the number of trucks by vehicle size.
 - b. Table 5 contains estimates of the number of trucks by truck type.
 - c. Table 6 contains estimates of the number of miles traveled by vehicle size.
 - d. Table 7 provides estimates of the number of miles traveled by truck type.
 - e. Table 8 shows estimates of the number of truck miles distribution by operational characteristics.

EXPLANATION OF TERMS

Business. This item is based on the business or the part of the business in which the vehicle was used. The 15 specific business use categories are self-explanatory and are roughly based on NAICS sectors. Responses in the "Other" category were recoded, if possible, to one of the 15 specific business categories.

Body type. This item describes the type of body that is permanently attached to the power unit (i.e., straight or single-unit truck). For truck-tractors, the body type is defined as the type of trailer most often pulled.

Minivans. This body type category includes minivans that are manufactured on either a truck or passenger car chassis.

Annual miles. This item represents the annual miles traveled. When a respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

Vehicle size. This item is determined by the average vehicle weight (empty vehicle weight plus cargo weight) during 2002. The four size classes are:

1. **Light.** The average vehicle weight is 10,000 pounds or less.
2. **Medium.** The average vehicle weight is 10,001 to 19,500 pounds.
3. **Light-heavy.** The average vehicle weight is 19,501 to 26,000 pounds.
4. **Heavy-heavy.** The average vehicle weight is 26,001 pounds or more.

Primary operator classification. This item is defined as follows:

1. **Personal transportation.** This is a vehicle operated for personal use, such as travel to work, carpooling, pleasure driving, etc.
2. **Rental.** This is a vehicle operated for daily or short-term rental.
3. **Private.** This is a vehicle operated to carry goods owned by the respondent, or for internal company business.
4. **Motor carrier.** This is a vehicle operated by a company and hired to carry other people's goods.
5. **Owner operator.** This is a vehicle operated by an independent trucker hired to carry other people's goods.

Hazardous materials. This item identifies those trucks that transport hazardous materials in quantities large enough to have a placard on the vehicle required by 49 CFR Part 172 Subpart F.

Truck miles distribution. Table 8 shows the distribution of annual miles by the actual percentage of use for selected activities of each truck. Mileage estimates presented in all other tables of this report represent 100 percent of the individual truck's mileage based on primary activity, regardless of any secondary operational activities.

SAMPLE DESIGN

The sampling frame was constructed from files of truck registrations identified as being active as of July 1, 2002.² The frame was stratified by geography and truck characteristics. The 50 states and the District of Columbia made up the 51 geographic strata. Body type and gross vehicle weight (GVW) determined the following five truck strata: 1) pickups; 2) minivans, other light vans, and sport utilities; 3) light single-unit trucks (GVW < 26,000 lb); 4) heavy single-unit trucks (GVW ≥ 26,000 lb; and 5) truck-tractors. Therefore, the sampling frame was partitioned into 255 geographic-by-truck strata. Within each stratum, a simple random sample of truck registrations was selected without replacement. This produced a total sample of approximately 136,000 truck registrations.

The sample size for Georgia is 2,744 truck registrations.

Estimation

An estimate of the number of trucks for a particular state and truck characteristic was computed in the following manner. Weighted estimates of the number of trucks having the characteristic of interest were computed for each of the five truck strata. The weight for a given truck was the product of two factors—the reciprocal of the truck's probability of selection and a nonresponse adjustment factor. (See the **Nonsampling Error** section for a description of the nonresponse adjustment procedure.) The truck stratum estimates were summed to form a state-level estimate. Two types of truck miles estimates are provided. Distributed truck miles estimates, as shown in Table 8, were computed by apportioning each truck's annual miles into the appropriate category based on the percent of miles driven in the category as reported by the respondent. Truck miles estimates presented in all other tables were computed by attributing 100 percent of an individual truck's annual miles to the category with the greatest reported percentage. For example, say a particular truck was driven 50,000 miles in the survey year and the respondent indicated 80 percent of the trips were between 201 and 500 miles from the home base, while 20 percent of the trips were between 101 and 200 miles from the home base. In Table 8, 40,000 miles would be tabulated in the "201 to 500 miles" category and 10,000 miles would be tabulated in the "101 to 200 miles" category. In all other tables, 50,000 miles would be tabulated in the "201 to 500 miles" category. To compute an estimate of the average miles per truck, the total miles estimate was divided by the number of trucks estimate for the characteristic of interest.

²The sampling frame included trucks registered as of September 1, 2001, for New Hampshire.

DATA COLLECTION

A questionnaire was mailed to the registered owner of each selected truck registration. This registrant was requested to provide data about the truck identified by the vehicle registration information imprinted on the questionnaire. The information provided by each respondent was subjected to extensive computer edits. Questionable responses were reviewed and corrected when necessary.

RELIABILITY OF THE ESTIMATES

The total error of an estimate based on a sample survey is the difference between the estimate and the population parameter that it estimates. This error may be considered to be comprised of sampling error and nonsampling error. Sampling error is the 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. This error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The *bias* of an estimator of a population parameter is the difference, averaged over all possible samples of the same size and design, between the estimator and the population parameter being estimated. (The population parameter is usually unknown.) Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. The *variance* of an estimator is the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value.

Measures of Sampling Variability

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of the truck registrations on the sampling frame is not expected. However, because each truck included on the sampling frame has a known probability of being selected into the sample, it is possible to estimate the sampling variability of the survey estimates.

The particular sample 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 the 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. 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. (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 and coefficient of variation only measure sampling variability. They do not measure any systematic biases in the estimates. The U.S. 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 1.645 standard errors below to 1.645 standard errors above the estimate would include the population parameter 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 1.96 standard errors below to 1.96 standard errors above the estimate would include the population parameter as obtained from a complete enumeration of the sampling frame conducted under the same survey conditions.

To illustrate the computation of a confidence interval for an estimate of the number of trucks, assume that an estimate of trucks is 3,377.8 thousand and the coefficient of variation for this estimate is 2.9 percent, or 0.029. First obtain the standard error of the estimate by multiplying the number of trucks estimate by its coefficient of variation. For this example, multiply 3,377.8 thousand by 0.029. This yields a standard error of 97.9562 thousand. The upper and lower bounds of the 90-percent confidence interval are computed as 3,377.8 thousand plus or minus 1.645 times 97.9562 thousand. Consequently, the 90-percent confidence interval is 3,216.7 thousand to 3,538.9 thousand. 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 of all trucks on the sampling frame.

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 at some point in the survey process. Nonsampling error can be attributed to many sources: (1) inability to obtain information about all trucks in the sample, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) 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 its influence.

A potential source of bias in the estimates is nonresponse. Nonresponse is defined as the failure to obtain all the intended measurements or responses about all the trucks in the sample. Two types of nonresponse are often distinguished. *Unit nonresponse* is used to describe the failure to obtain any of the substantive measurements about a sampled truck. In most cases of unit nonresponse, the questionnaire was never returned to the Census Bureau after several attempts to elicit a response. For Georgia, approximately 71.7 percent of the questionnaires were returned with substantive data. *Item nonresponse* occurs either when a question is unanswered or the response to the question fails computer or analyst edits. The procedures used to account for unit and item nonresponse are discussed below.

Unit nonresponse is handled in the estimation procedure by *reweighting*. To apply this method of nonresponse adjustment, we make the assumption that the population of trucks can be divided into a finite number of mutually exclusive adjustment cells so that within each cell, all the population elements possess similar characteristics and share a similar probability of responding, if selected into the sample. The adjustment cells for the 2002 VIUS are identical to the sampling strata. A *nonresponse adjustment factor* is computed for each adjustment cell and is equal to the ratio of the number of truck registrations selected into the sample to the number of responses received within each cell. In this sense, reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents within each adjustment cell. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents in each adjustment cell.

For item nonresponse, a missing value is replaced by a predicted value obtained from an appropriate model for nonresponse. This procedure is called *imputation*. To impute annual miles and lifetime miles, we divide the sample into a finite number of mutually exclusive cells based on state of

registration, and related vehicle characteristics. For each cell, estimates of average annual miles and average lifetime miles are computed based on those trucks in the cell for which annual miles and lifetime miles have been reported. Missing values are then replaced with the appropriate average values. A slightly different imputation procedure is used to impute length and average weight (empty weight plus cargo weight). For these data items, we replace a missing value with data from a truck with similar characteristics for which length and average weight have been reported.

For all other data items, no imputation is performed. Instead, separate estimates are published in a “Not reported” category. For example, a respondent who did not indicate the type of business in which his/her truck was used would be included in the estimate for the “Not reported” category. Users of the estimates should exercise caution when allocating the estimate for the “Not reported” category to the estimates for the reported categories in the proportions observed for the reported categories. This is because the characteristics of the trucks for which we obtained information may differ significantly from those trucks for which we obtained no information.

Unpublished Estimates

Additional statistics not shown in the tables are obtainable by tabulating records on a CD-ROM containing the survey microdata. These additional estimates have not been included in this publication because of high sampling variability, poor response, or other factors that may make them potentially misleading. It should be noted that some unpublished estimates can be derived directly from this report by subtracting published estimates from their respective totals. However, the estimates obtained by such subtraction would be subject to the poor response rates or high sampling variability as previously described.

Individuals who use estimates in this report, or the CD-ROM microdata, to create estimates not published by the Census Bureau should cite the Census Bureau as the source of only the published estimates or the microdata used, and not as the source of the new estimates.

CONFIDENTIALITY AND DISCLOSURE

Title 13 of the United States Code authorizes the Census Bureau to conduct censuses and surveys. Section 9 of the same Title 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 United States Code provide for the imposition of penalties of up to five 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.

A disclosure of data occurs when an individual can use published statistical information to identify either an individual or firm that has provided information under a pledge of confidentiality. Disclosure limitation is the process used to protect the confidentiality of the survey data provided by an individual or firm. Using disclosure limitation procedures, the Census Bureau modifies or removes the characteristics that put confidential information at risk for 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.

SYMBOLS

The following symbols are used in this publication:

- | | |
|---|---|
| N | Not available. |
| S | Estimate does not meet publication standards because of high sampling variability or poor response quality. |
| V | Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent. |



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Table 1a. Trucks—Comparative Summary: 2002 and Earlier Years

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys, and the 1992 and 1987 Truck Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002	1997	1992	1987	Vehicular and operational characteristics	2002	1997	1992	1987
Total	100.0	100.0	100.0	100.0	MODEL YEAR				
BUSINESS¹					1 to 2 years old	16.2	17.2	15.2	18.5
Agriculture, forestry, fishing, or hunting	1.5	5.2	4.8	7.0	3 to 4 years old	19.0	16.2	17.9	20.0
Mining	S	S	.1	.1	Over 4 years old	64.7	66.6	66.9	61.5
Construction	5.7	6.7	8.5	11.0	VEHICLE ACQUISITION				
Manufacturing .....	.2	1.8	1.4	2.2	New	34.6	43.2	48.3	51.3
Wholesale and retail trade	2.3	6.8	4.7	5.2	Used	43.6	51.1	48.8	46.5
For-hire transportation or warehousing .....	.4	1.3	1.4	2.5	Not reported ⁴	21.8	5.7	2.8	2.2
Utilities and all services	5.4	6.3	5.5	6.6	TRUCK TYPE				
Personal transportation	74.3	68.9	71.6	64.7	Single-unit trucks ⁵	98.1	96.8	97.0	95.9
Other, not reported, and not applicable	10.1	2.7	1.9	.5	2 axles	97.4	96.2	96.5	95.0
BODY TYPE					3 axles or more .....	.6	.7	.5	.9
Pickup, minivan, other light vans, and sport utility	94.5	92.5	91.0	88.2	Trailer/axles not specified .....	.1	N	N	N
Flatbed, stake, platform, and low boy	1.4	2.3	4.1	3.9	Combinations	1.9	3.2	3.0	4.1
Van ²	1.2	1.7	1.9	2.8	3 axles .....	.5	.5	.3	.7
Service, utility .....	.4	.3	.3	.4	4 axles .....	.9	1.1	1.0	1.1
Van, step, walk-in, or multistop .....	.5	.7	.5	.9	5 axles or more .....	.3	1.5	1.7	2.2
Dump .....	.9	1.0	.6	1.5	Trailer/axles not specified .....	.2	V	V	V
Tank for liquids, gases, or dry bulk .....	.2	.3	.3	.6	RANGE OF OPERATION				
Other and not applicable .....	.9	1.2	1.2	1.8	50 miles or less	55.6	72.2	76.6	77.5
VEHICLE SIZE					51 to 200 miles	9.6	16.1	12.8	14.9
Light	94.4	94.5	94.2	91.1	201 miles or more	1.9	5.4	3.9	2.9
Medium	2.5	1.4	1.9	2.3	Off-the-road, not reported, and not applicable	32.8	6.3	6.7	4.7
Light-heavy	1.3	.9	1.2	2.0	FUEL TYPE				
Heavy-heavy	1.8	3.2	2.7	4.6	Gasoline	90.4	93.7	94.3	94.0
ANNUAL MILES					All other fuels	6.0	5.7	5.2	6.0
Less than 5,000 ³	17.5	17.8	19.3	24.8	Other, not reported, and not applicable	3.6	.5	.5	V
5,000 to 9,999	18.9	17.7	15.3	20.8					
10,000 to 19,999	48.9	36.9	39.9	35.3					
20,000 to 29,999	8.6	16.3	14.3	11.4					
30,000 or more	6.1	11.3	11.2	7.7					

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Includes open top trailers and all van except step, walk-in, or multistop.

³Includes vehicles not in use.

⁴For survey years prior to 2002, this includes vehicles leased from someone else.

⁵Excludes truck-tractors not in use.

Note: The Introduction gives 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/svsd/www/02vehinv.html.

Table 1b. Trucks—Comparative Summary for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002	1997	Vehicular and operational characteristics	2002	1997
Total	100.0	100.0	MODEL YEAR		
BUSINESS¹			1 to 2 years old	6.5	13.1
Agriculture, forestry, fishing, or hunting	11.8	13.0	3 to 4 years old	15.3	13.8
Mining	S	1.0	Over 4 years old	78.2	73.0
Construction	19.0	19.5	VEHICLE ACQUISITION		
Manufacturing	3.6	7.6	New	36.1	40.0
Wholesale and retail trade	10.2	17.7	Used	40.3	51.9
For-hire transportation or warehousing	8.1	12.4	Not reported ⁴	23.6	8.1
Utilities and all services	16.6	14.1	TRUCK TYPE		
Personal transportation	V	5.5	Single-unit trucks ⁵	85.0	69.7
Other, not reported, and not applicable	30.4	9.3	2 axles	73.7	60.7
BODY TYPE			3 axles or more	10.3	8.9
Flatbed, stake, platform, and low boy	25.1	30.2	Trailer/axles not specified	1.0	N
Van ²	21.2	22.8	Combinations	15.0	30.3
Service, utility	7.6	4.6	3 axles	1.3	2.5
Van, step, walk-in, or multistop	9.9	9.7	4 axles	5.1	7.4
Dump	16.1	12.7	5 axles or more	5.8	20.4
Tank for liquids, gases, or dry bulk	3.9	3.8	Trailer/axles not specified	2.9	V
Other and not applicable	16.2	16.1	RANGE OF OPERATION		
VEHICLE SIZE			50 miles or less	46.2	50.4
Light	12.0	26.7	51 to 200 miles	12.5	25.0
Medium	31.9	19.2	201 miles or more	3.0	12.5
Light-heavy	22.9	11.8	Off-the-road, not reported, and not applicable	38.3	12.1
Heavy-heavy	33.2	42.3	FUEL TYPE		
ANNUAL MILES			Gasoline	31.3	36.0
Less than 5,000 ³	31.0	29.3	All other fuels	59.0	59.2
5,000 to 9,999	10.3	12.9	Other, not reported, and not applicable	9.6	4.8
10,000 to 19,999	23.8	18.0			
20,000 to 29,999	17.9	11.1			
30,000 or more	17.1	28.7			

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Includes open top trailers and all van except step, walk-in, or multistop.

³Includes vehicles not in use.

⁴For survey years prior to 2002, this includes vehicles leased from someone else.

⁵Excludes truck-tractors not in use.

Note: The Introduction gives 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/svsd/www/02vehinv.html.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
Total	2 733.2	2 258.4	21.0	34 019.5	34 922.9	-2.6	12.4	15.5	-19.5
BUSINESS¹									
For-hire transportation or warehousing	12.3	30.1	-59.1	303.3	1 813.4	-83.3	24.7	60.3	-59.1
Vehicle leasing or rental	23.5	14.7	60.1	503.3	355.6	41.5	21.4	24.3	-11.6
Agriculture, forestry, fishing, or hunting	42.1	116.7	-64.0	603.7	1 675.8	-64.0	14.4	14.4	-
Mining	S	S	S	S	S	S	S	S	S
Utilities	37.3	34.8	7.3	963.6	521.8	84.6	25.8	15.0	72.1
Construction	155.6	151.7	2.5	2 377.8	2 657.8	-10.5	15.3	17.5	-12.7
Manufacturing	5.4	41.2	-87.0	122.7	953.2	-87.1	22.9	23.1	-1.3
Wholesale trade	24.1	58.8	-59.0	572.4	1 503.0	-61.9	23.8	25.6	-7.0
Retail trade	40.1	94.4	-57.5	483.3	1 576.7	-69.3	12.1	16.7	-27.8
Information services	1.2	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	33.4	N	N	511.6	N	N	15.3	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	3.2	N	N	50.3	N	N	15.6	N	N
Other services	65.2	N	N	908.3	N	N	13.9	N	N
Personal transportation	2 030.3	1 556.4	30.4	24 148.8	21 392.2	12.9	11.9	13.7	-13.5
Not reported	174.4	V	N	2 274.0	V	N	13.0	V	N
Not applicable ²	77.8	46.9	65.8	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	2 719.1	2 217.3	22.6	33 550.9	32 272.0	4.0	12.3	14.6	-15.2
Pickup	1 349.3	1 235.4	9.2	15 706.3	17 080.4	-8.0	11.6	13.8	-15.8
Minivan	205.3	272.8	-24.7	2 882.0	4 278.0	-32.6	14.0	15.7	-10.5
Other light vans	134.9	164.4	-18.0	1 437.6	2 693.4	-46.6	10.7	16.4	-34.9
Sport utility	892.4	416.5	114.3	11 457.6	6 409.2	78.8	12.8	15.4	-16.6
Armored	S	N	N	S	N	N	S	N	N
Beverage	1.2	V	N	26.6	V	N	21.3	V	N
Concrete mixer	2.5	2.7	-6.5	54.9	39.8	38.0	22.1	14.9	47.6
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	2.9	S	S	47.8	S	S	16.8	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	23.2	19.9	16.4	286.5	193.0	48.4	12.4	9.7	27.5
Flatbed, stake, or platform	34.1	38.5	-11.2	416.5	421.7	-1.2	12.2	11.0	11.3
Low boy	S	1.5	S	S	21.2	S	S	13.7	S
Pole, logging, pulpwood, or pipe .....	.8	.6	32.4	S	23.6	S	S	37.5	S
Service, utility	11.5	7.9	46.6	203.0	66.2	206.8	17.6	8.4	109.3
Service, other	7.9	5.2	52.5	143.6	49.2	191.8	18.1	9.5	91.4
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	S	S	S	S	S	S	S	S	S
Tank, liquids or gases	4.4	4.3	1.8	40.5	56.9	-28.8	9.2	13.2	-30.1
Tow/Wrecker	3.7	4.7	-22.8	45.4	97.0	-53.2	12.4	20.5	-39.4
Trash, garbage, or recycling	3.5	1.9	85.4	84.7	62.8	34.9	24.0	33.0	-27.2
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	18.9	14.3	32.0	382.3	325.1	17.6	20.2	22.7	-10.9
Van, insulated nonrefrigerated	S	S	S	S	S	S	S	S	S
Van, insulated refrigerated	1.4	2.2	-37.1	22.8	56.1	-59.4	16.7	25.8	-35.4
Van, open top	3.3	2.5	32.2	18.4	15.8	16.5	5.6	6.4	-11.9
Van, step, walk-in, or multistop	15.0	16.4	-8.8	235.3	288.0	-18.3	15.7	17.6	-10.4
Van, other	3.1	N	N	30.6	N	N	9.9	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	14.1	41.1	-65.6	468.5	2 651.0	-82.3	33.2	64.5	-48.6
Automobile carrier	S	S	S	S	S	S	S	S	S
Beverage .....	.8	N	S	14.7	S	S	17.3	S	S
Curtainside	V	N	N	V	N	N	V	N	N
Dump	1.1	1.6	-28.9	50.7	91.8	-44.8	45.2	58.2	-22.3
Flatbed, stake, or platform	1.4	7.5	-81.9	45.7	419.5	-89.1	33.9	56.2	-39.7
Livestock	S	S	S	S	S	S	S	S	S
Low boy	2.1	3.3	-35.5	38.4	35.6	7.8	18.0	10.8	67.2
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top .....	.7	1.9	-62.2	31.6	119.4	-73.5	43.6	62.2	-29.9
Pole, logging, pulpwood, or pipe .....	.9	2.4	-62.1	45.3	128.0	-64.6	50.7	54.3	-6.6
Tank, dry bulk .....	.9	.5	78.0	62.6	35.8	75.1	69.1	70.2	-1.6
Tank, liquids or gases	S	1.2	S	S	84.4	S	S	73.2	S
Van, basic enclosed	4.2	17.0	-75.2	140.6	1 283.6	-89.0	33.3	75.3	-55.8
Van, drop-frame	V	.3	N	V	22.5	N	V	80.1	N
Van, insulated nonrefrigerated	V	.4	N	V	39.0	N	V	99.0	N
Van, insulated refrigerated .....	.3	3.1	-90.6	S	308.1	S	S	99.1	S
Other	V	N	N	V	N	N	V	N	N
Not applicable ³ .....	.9	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	400.7	357.2	12.2	741.7	681.0	8.9	1.9	1.9	-2.9
5,000 to 9,999	516.6	399.5	29.3	3 547.1	2 778.6	27.7	6.9	7.0	-1.3
10,000 to 19,999	1 337.0	832.9	60.5	18 227.3	11 389.2	60.0	13.6	13.7	-3
20,000 to 29,999	234.6	368.2	-36.3	5 277.6	8 336.6	-36.7	22.5	22.6	-6
30,000 to 49,999	146.5	193.7	-24.4	4 948.0	6 694.8	-26.1	33.8	34.6	-2.3
50,000 to 74,999	17.5	31.3	-44.1	1 013.9	1 764.4	-42.5	58.0	56.4	2.7
75,000 or more	2.6	30.2	-91.5	237.4	3 278.4	-92.8	92.9	108.7	-14.5
Not applicable ²	77.8	45.5	71.1	S	V	S	S	V	S

See footnotes at end of table.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	S	96.4	S	69.6	978.4	-92.9	S	10.2	S
50 miles or less	1 520.2	1 629.5	-6.7	18 258.7	21 798.3	-16.2	12.0	13.4	-10.2
51 to 100 miles	223.4	286.2	-21.9	3 694.6	6 282.5	-41.2	16.5	22.0	-24.7
101 to 200 miles	39.2	77.9	-49.6	764.9	2 114.0	-63.8	19.5	27.2	-28.2
201 to 500 miles	21.5	73.7	-70.9	S	2 128.9	S	S	28.9	S
501 miles or more	31.3	49.3	-36.5	S	1 620.8	S	S	32.9	S
Not reported	803.3	45.5	1 666.9	10 319.7	V	N	12.8	V	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	V	N	N	V	N	N	V	N	N
Operated in Mexico	V	N	N	V	N	N	V	N	N
Operated within the home base state	1 879.5	N	N	24 258.6	N	N	12.9	N	N
Operated in states other than the home base state	32.3	N	N	385.3	N	N	11.9	N	N
Not reported	743.6	N	N	9 349.1	N	N	12.6	N	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	1 821.5	N	N	25 544.7	N	N	14.0	N	N
7 to 11	379.6	N	N	5 192.4	N	N	13.7	N	N
2 to 6	339.1	N	N	2 810.6	N	N	8.3	N	N
1 or less	115.2	N	N	445.3	N	N	3.9	N	N
Vehicle not used	77.8	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	2 579.8	2 134.4	20.9	31 271.2	30 908.7	1.2	12.1	14.5	-16.3
Medium	68.6	32.5	111.4	1 167.8	517.9	125.5	17.0	16.0	6.7
Light-heavy	34.6	20.0	72.8	487.0	339.1	43.6	14.1	16.9	-16.9
Heavy-heavy	50.2	71.5	-29.8	1 093.5	3 157.2	-65.4	21.8	44.1	-50.7
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	1 982.8	1 993.8	-6	23 535.3	28 595.9	-17.7	11.9	14.3	-17.2
6,001 to 8,500	515.1	N	N	6 832.2	N	N	13.3	N	N
8,501 to 10,000	81.8	N	N	903.7	N	N	11.0	N	N
10,001 to 14,000	44.7	18.6	140.8	796.2	332.6	139.4	17.8	17.9	-6
14,001 to 16,000	12.1	8.0	51.0	186.8	100.2	86.5	15.4	12.5	23.5
16,001 to 19,500	11.8	5.9	100.9	184.8	85.1	117.1	15.7	14.5	8.1
19,501 to 26,000	34.6	20.0	72.8	487.0	339.1	43.6	14.1	16.9	-16.9
26,001 to 33,000	11.3	13.2	-14.1	173.3	185.7	-6.7	15.3	14.1	8.7
33,001 to 40,000	6.8	8.1	-16.3	107.6	193.9	-44.5	15.8	23.8	-33.7
40,001 to 50,000	7.7	8.4	-7.8	155.2	314.1	-50.6	20.1	37.5	-46.4
50,001 to 60,000	13.3	12.2	9.1	257.5	384.7	-33.1	19.3	31.5	-38.7
60,001 to 80,000	10.7	29.3	-63.4	389.7	2 064.1	-81.1	36.3	70.5	-48.5
80,001 to 100,000	S	.3	S	S	S	S	S	S	S
100,001 to 130,000	V	S	S	V	S	S	V	S	S
130,001 or more	S	V	S	S	V	S	S	V	S
TOTAL LENGTH (FEET)									
Less than 20.0	2 456.5	2 119.6	15.9	29 856.6	30 436.6	-1.9	12.2	14.4	-15.4
20.0 to 27.9	206.9	57.1	262.6	2 651.1	883.9	199.9	12.8	15.5	-17.3
28.0 to 35.9	37.6	33.2	13.1	595.7	802.8	-25.8	15.9	24.2	-34.4
36.0 to 40.9	15.6	5.0	213.5	391.3	95.6	309.1	25.0	19.2	30.5
41.0 to 44.9	2.5	3.1	-17.6	28.0	73.3	-61.9	11.1	23.9	-53.7
45.0 to 49.9	1.6	2.8	-41.4	42.7	71.5	-40.3	26.0	25.5	1.8
50.0 to 54.9	2.3	3.3	-28.9	92.6	120.2	-22.9	39.9	36.9	8.3
55.0 to 59.9	4.7	8.4	-44.4	168.2	509.7	-67.0	36.1	60.9	-40.7
60.0 to 64.9	3.0	12.0	-75.1	82.0	820.0	-90.0	27.6	68.5	-59.8
65.0 to 69.9	1.6	9.7	-83.8	89.1	801.9	-88.9	57.0	83.0	-31.3
70.0 to 74.9 .....	.4	2.4	-84.2	S	198.5	S	S	83.7	S
75.0 to 79.9	S	N	N	S	N	N	S	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	9.5	12.2	-22.2	195.4	375.3	-47.9	20.6	30.8	-33.1
5 to 6.9	20.5	48.7	-58.0	463.2	2 274.8	-79.6	22.6	46.7	-51.5
7 to 8.9	16.2	39.5	-58.9	249.0	758.6	-67.2	15.3	19.2	-20.2
9 to 10.9	110.8	115.9	-4.4	1 282.4	2 463.1	-47.9	11.6	21.3	-45.5
11 to 12.9	97.4	223.6	-56.5	1 180.8	2 983.5	-60.4	12.1	13.3	-9.1
13 to 14.9	214.6	311.6	-31.1	3 159.6	4 022.7	-21.5	14.7	12.9	14.0
15 or more	1 404.4	1 460.2	-3.8	17 663.2	21 470.5	-17.7	12.6	14.7	-14.5
15 to 20.9	1 094.6	1 095.9	-.1	14 677.7	15 978.1	-8.1	13.4	14.6	-8.0
21 to 24.9	164.3	283.2	-42.0	1 838.4	4 421.8	-58.4	11.2	15.6	-28.3
25 or more	145.6	81.0	79.7	1 147.1	1 070.5	7.2	7.9	13.2	-40.4
Not reported	782.0	46.6	1 576.9	9 799.5	574.4	1 605.9	12.5	12.3	1.7
Not applicable ²	77.8	N	N	S	N	N	S	N	N

See footnotes at end of table.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	174.9	N	N	2 307.4	N	N	13.2	N	N
2001	268.8	N	N	4 165.1	N	N	15.5	N	N
2000	286.3	N	N	4 422.5	N	N	15.4	N	N
1999	234.1	N	N	4 481.3	N	N	19.1	N	N
1998	159.7	S	S	3 016.6	S	S	18.9	S	S
1997	219.1	192.9	13.6	3 155.9	3 487.6	-9.5	14.4	18.1	-20.3
1996	107.1	175.4	-38.9	1 667.0	3 237.8	-48.5	15.6	18.5	-15.7
1995	193.8	170.9	13.4	2 782.0	3 973.4	-30.0	14.4	23.3	-38.3
1994	148.7	195.3	-23.8	1 220.3	4 105.3	-70.3	8.2	21.0	-61.0
1993	109.1	180.5	-39.5	1 665.2	3 089.0	-46.1	15.3	17.1	-10.8
Pre-1993	831.3	1 324.0	-37.2	5 134.4	16 867.8	-69.6	6.2	12.7	-51.5
VEHICLE ACQUISITION									
New	946.2	975.1	-3.0	13 400.5	15 894.5	-15.7	14.2	16.3	-13.1
Used	1 191.0	1 155.1	3.1	13 128.0	16 614.5	-21.0	11.0	14.4	-23.4
Not reported	596.1	128.2	365.0	7 490.9	2 413.9	210.3	12.6	18.8	-33.3
LEASE CHARACTERISTICS									
Leased	96.9	N	N	1 731.1	N	N	17.9	N	N
Lessee	74.7	N	N	1 332.1	N	N	17.8	N	N
Vehicle only	6.4	N	N	180.2	N	N	28.0	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ⁴	68.1	N	N	1 145.3	N	N	16.8	N	N
Lessor	S	N	N	S	N	N	S	N	N
Vehicle only	2.6	N	N	70.1	N	N	26.7	N	N
Vehicle with driver .....	.6	N	N	13.7	N	N	22.7	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not applicable ⁴	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	1 225.8	N	N	15 806.6	N	N	12.9	N	N
Not reported	1 410.5	N	N	16 481.8	N	N	11.7	N	N
Length of leasing agreement:									
Leased	96.9	N	N	1 731.1	N	N	17.9	N	N
1 to 11 months	S	N	N	S	N	N	S	N	N
12 months or more	9.6	N	N	268.6	N	N	27.9	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ⁴	86.8	N	N	1 450.9	N	N	16.7	N	N
Provisions of lease ⁵ :									
Financing only	6.5	N	N	180.0	N	N	27.8	N	N
Full maintenance	2.8	N	N	80.0	N	N	28.7	N	N
Payment of taxes	3.9	N	N	96.2	N	N	24.8	N	N
Obtaining licenses and permits	2.9	N	N	79.2	N	N	27.0	N	N
Recordkeeping	1.1	N	N	23.6	N	N	22.1	N	N
Fuel contract .....	.4	N	N	14.5	N	N	33.8	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	568.3	N	N	8 395.8	N	N	14.8	N	N
Motor carrier	14.2	N	N	370.4	N	N	26.2	N	N
Owner operator	18.4	N	N	S	N	N	S	N	N
Rental	24.2	N	N	530.7	N	N	21.9	N	N
Personal transportation	2 030.3	N	N	24 148.8	N	N	11.9	N	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	5.2	N	N	193.6	N	N	37.5	N	N
Common	8.8	N	N	215.6	N	N	24.4	N	N
Not reported	6.1	N	N	132.5	N	N	21.6	N	N
Not applicable ⁶	2 713.1	N	N	33 477.9	N	N	12.3	N	N
Type of service:									
Truckload	6.0	13.2	-54.4	230.2	1 148.8	-80.0	38.3	87.2	-56.0
Less-than-truckload	8.4	6.1	39.6	175.3	331.5	-47.1	20.8	54.8	-62.1
Not reported	5.6	N	N	136.1	N	N	24.1	N	N
Not applicable ⁶	2 713.1	N	N	33 477.9	N	N	12.3	N	N
Source of hauls:									
Shippers or receivers	11.2	N	N	315.7	N	N	28.1	N	N
Brokers	S	N	N	S	N	N	S	N	N
Centralized markets or exchanges	S	N	N	S	N	N	S	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	8.3	N	N	208.0	N	N	24.9	N	N
Not applicable ⁶	2 713.1	N	N	33 477.9	N	N	12.3	N	N
HAZARDOUS MATERIALS CARRIED⁷									
Carrying hazardous materials	4.2	7.6	-45.0	96.1	462.8	-79.2	23.1	61.2	-62.3
Not carrying hazardous materials	92.4	126.9	-27.2	1 724.0	3 301.6	-47.8	18.7	26.0	-28.3
Not reported	34.7	49.6	-30.0	542.7	986.6	-45.0	15.6	19.9	-21.4
Not applicable ⁸	2 601.9	N	N	31 656.7	N	N	12.2	N	N
EQUIPMENT TYPE^{5 9}									
Aerial work platform/bucket	4.8	N	N	73.8	N	N	15.5	N	N
Air bag(s) (safety device only)	1 306.4	634.7	105.8	19 304.3	11 402.2	69.3	14.8	18.0	-17.7
Air compressor (except air brakes)	5.2	N	N	134.0	N	N	25.8	N	N
Air-conditioning	1 863.8	1 727.7	7.9	24 509.8	28 734.7	-14.7	13.2	16.6	-20.9
Air springs	2.5	N	N	102.8	N	N	41.3	N	N

See footnotes at end of table.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE^{5 9}—Con.									
Antilock brake system	1 319.9	949.3	39.0	19 141.5	16 556.8	15.6	14.5	17.4	-16.8
Collision warning system	1.3	N	N	38.9	N	N	29.5	N	N
Computerized drive train control unit	239.5	N	N	3 272.5	N	N	13.7	N	N
Crane	2.2	N	N	28.5	N	N	12.9	N	N
Electronic vehicle identification device	S	1.8	S	S	164.9	S	S	91.4	S
Engine retarder/brake	9.2	16.6	-44.6	304.3	1 174.6	-74.1	33.1	70.9	-53.3
Front-wheel drive	679.3	334.4	103.1	7 796.0	5 105.4	52.7	11.5	15.3	-24.8
Hoist	7.6	N	N	111.9	N	N	14.8	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	2.6	N	N	72.5	N	N	28.3	N	N
Internet access	S	N	N	S	N	N	S	N	N
Lift gate	6.0	N	N	92.8	N	N	15.4	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system .....	.3	.8	-59.2	11.8	96.0	-87.7	34.2	113.3	-69.8
Power take-off	29.1	N	N	510.9	N	N	17.6	N	N
Radial tires	1 383.2	1 762.6	-21.5	18 014.3	29 303.4	-38.5	13.0	16.6	-21.7
Reflective material in addition to those required by law	14.6	35.7	-59.2	289.9	1 412.9	-79.5	19.9	39.5	-49.7
Road speed governor	24.4	45.1	-45.8	580.7	2 008.7	-71.1	23.8	44.5	-46.6
Toolbox	275.5	N	N	4 199.8	N	N	15.2	N	N
Trip recorder or on-board computer with communication capabilities	78.3	N	N	869.1	N	N	11.1	N	N
Trip recorder or on-board computer without communication capabilities	421.9	N	N	6 156.7	N	N	14.6	N	N
Vehicle control aids for handicapped drivers	S	S	S	S	S	S	S	S	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	13.6	N	N	133.3	N	N	9.8	N	N
Transmission type:									
Automatic	1 771.4	N	N	22 738.7	N	N	12.8	N	N
Manual	414.6	N	N	4 377.3	N	N	10.6	N	N
Semiautomated manual	V	N	N	V	N	N	V	N	N
Automated manual	S	N	N	S	N	N	S	N	N
Not reported	547.1	N	N	6 903.1	N	N	12.6	N	N
Braking system:									
Hydraulic (standard)	47.1	37.4	26.1	655.3	404.4	62.1	13.9	10.8	28.5
Hydraulic with power assist	28.4	38.6	-26.6	434.5	600.7	-27.7	15.3	15.6	-1.5
Air	38.3	62.0	-38.3	842.3	2 826.8	-70.2	22.0	45.6	-51.7
Other	V	1.7	N	V	44.6	N	V	26.3	N
Not reported	37.5	N	N	603.9	N	N	16.1	N	N
Not applicable ¹⁰	2 582.0	N	N	31 483.5	N	N	12.2	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	2 471.9	2 117.1	16.8	30 365.4	30 410.0	-1	12.3	14.4	-14.5
Diesel	161.8	124.0	30.5	3 330.4	4 363.0	-23.7	20.6	35.2	-41.5
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.2	N	N	S	N	N	S	N	N
Alcohol fuels	V	N	N	V	N	N	V	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	V	N	N	V	N	N	V	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
Cylinders¹¹:									
4 cylinders	388.4	390.6	-6	3 778.7	5 182.3	-27.1	9.7	13.3	-26.7
6 cylinders	1 150.1	942.0	22.1	15 376.0	16 554.7	-7.1	13.4	17.6	-23.9
8 cylinders	1 133.6	820.0	38.3	14 471.0	12 472.3	16.0	12.8	15.2	-16.1
Other	61.1	105.8	-42.2	393.8	713.6	-44.8	6.4	6.7	-4.5
Cubic inch displacement¹¹:									
Gasoline fuel	2 471.9	2 117.1	16.8	30 365.4	30 410.0	-1	12.3	14.4	-14.5
Less than 200	612.3	731.8	-16.3	6 504.4	10 101.5	-35.6	10.6	13.8	-23.0
200 to 299	945.1	460.9	105.0	12 996.3	7 285.3	78.4	13.8	15.8	-13.0
300 to 349	450.4	389.7	15.6	5 216.0	6 189.2	-15.7	11.6	15.9	-27.1
350 to 399	369.5	344.3	7.3	5 044.0	5 506.6	-8.4	16.0	16.0	-14.6
400 or more	46.2	48.0	-3.8	347.1	610.8	-43.2	7.5	12.7	-40.9
Not available	48.2	142.2	-66.1	257.7	716.6	-64.0	5.3	5.0	6.1
Diesel fuel	161.8	124.0	30.5	3 330.4	4 363.0	-23.7	20.6	35.2	-41.5
Less than 400	51.1	18.0	184.2	962.8	373.5	157.8	18.8	20.8	-9.3
400 to 599	76.9	47.7	61.1	1 599.7	981.7	63.0	20.8	20.6	1.1
600 to 799	16.1	23.4	-31.3	479.1	1 198.8	-60.0	29.8	51.2	-41.9
800 or more	5.2	21.2	-75.4	144.3	1 290.3	-88.8	27.7	61.0	-54.5
Not available	S	13.6	S	144.4	518.7	-72.2	S	38.0	S
Other fuel	S	S	S	S	S	S	S	S	S
Less than 400	S	S	S	S	S	S	S	S	S
400 or more	S	S	S	S	S	S	S	S	S
Not available	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
REFUELING LOCATION									
Gas station	2 080.4	N	N	26 172.1	N	N	12.6	N	N
Truck stop	27.4	N	N	464.8	N	N	16.9	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	59.7	N	N	1 148.9	N	N	19.3	N	N
Other company's/contractor's facility not open to the public	2.3	N	N	49.4	N	N	21.1	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	485.6	N	N	6 157.9	N	N	12.7	N	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N

See footnotes at end of table.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
MAINTENANCE⁵									
General maintenance performed by:									
None performed	39.5	25.9	52.6	286.4	513.2	-44.2	7.2	19.8	-63.4
Company-owned maintenance facility	170.5	146.4	16.4	2 789.7	4 229.5	-34.0	16.4	28.9	-43.3
General repair business or private mechanic	925.2	798.1	15.9	13 536.2	13 782.6	-1.8	14.6	17.3	-15.3
Dealership service department	596.8	474.2	25.9	8 183.5	7 829.5	4.5	13.7	16.5	-17.0
Leasing company	1.1	27.5	-96.0	35.6	825.9	-95.7	32.7	30.0	8.8
Individual not employed/paid by any maintenance type facility	797.7	1 092.7	-27.0	7 952.7	15 286.3	-48.0	10.0	14.0	-28.7
Other	V	37.5	N	V	552.7	N	V	14.8	N
Not reported	491.0	123.1	299.0	6 267.3	1 671.2	275.0	12.8	13.6	-6.0
Not applicable ²	77.8	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed	1 845.2	123.0	1 400.3	22 772.3	1 715.4	1 227.5	12.3	13.9	-11.5
Company-owned maintenance facility	30.4	75.3	-59.6	817.6	1 893.3	-56.8	26.9	25.1	6.9
General repair business or private mechanic	127.8	416.1	-69.3	1 847.6	6 442.1	-71.3	14.5	15.5	-6.6
Dealership service department	70.9	248.5	-71.5	1 475.7	5 169.8	-71.5	20.8	20.8	V
Leasing company	S	S	S	S	473.6	S	S	S	S
Component distributorship (engine, transmission, body, etc.)	S	39.6	S	S	897.3	S	S	22.7	S
Individual not employed/paid by any repair type facility	96.8	182.9	-47.1	1 121.6	2 342.9	-52.1	11.6	12.8	-9.5
Other	V	S	S	V	S	N	V	S	S
Not reported	V	1 245.4	N	V	18 130.5	N	V	14.6	N
Not applicable ²	77.8	N	N	S	N	N	S	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer	2 681.4	2 187.2	22.6	33 092.6	31 568.1	4.8	12.3	14.4	-14.5
2 axles	2 661.2	2 172.0	22.5	32 742.8	31 261.8	4.7	12.3	14.4	-14.5
3 axles	15.6	15.0	4.0	308.8	304.8	1.3	19.8	20.4	-2.6
4 axles .....	.6	S	S	13.7	S	S	21.8	S	S
5 axles or more	V	N	N	V	N	N	V	N	N
Not reported	4.0	V	N	27.3	V	N	6.9	V	N
Combinations	51.9	71.2	-27.1	926.9	3 354.8	-72.4	17.9	47.1	-62.1
Single-unit trucks with trailer	38.6	30.1	28.4	458.4	703.8	-34.9	11.9	23.4	-49.3
3 axles	S	S	S	S	S	S	S	S	S
4 axles	23.2	18.6	24.6	S	S	S	S	S	S
5 axles or more	1.2	1.8	-34.2	21.7	59.1	-63.3	18.7	33.5	-44.2
Not reported	1.1	N	N	30.9	N	N	27.5	N	N
Truck-tractors with single trailer	13.2	40.7	-67.5	468.5	2 626.2	-82.2	35.4	64.5	-45.2
3 axles .....	.7	2.4	-70.9	11.9	55.5	-78.6	17.3	23.5	-26.4
4 axles	2.3	5.9	-61.1	62.8	304.3	-79.4	27.2	51.3	-47.0
5 axles or more	7.6	32.4	-76.5	323.7	2 266.4	-85.7	42.5	70.0	-39.2
Not reported	2.6	N	N	70.2	N	N	26.7	N	N
Truck-tractors with double trailers	V	.4	N	V	24.7	N	V	59.9	N
5 axles	V	S	S	V	S	S	V	S	S
6 axles	V	S	S	V	S	S	V	S	S
7 axles	V	S	S	V	S	S	V	S	S
8 axles or more	V	S	S	V	S	S	V	S	S
Not reported	V	N	N	V	N	N	V	N	N
Truck-tractors with triple trailers	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Driving axles:									
1	2 018.2	1 614.6	25.0	25 379.3	23 181.5	9.5	12.6	14.4	-12.4
2	709.3	641.6	10.6	8 593.5	11 568.9	-25.7	12.1	18.0	-32.8
3 or more .....	.5	2.2	-77.7	9.1	172.5	-94.7	18.8	79.4	-76.3
Not reported	5.1	V	N	37.5	V	N	7.3	V	N
Total liftable axles and locations ¹² :									
None	148.1	51.7	186.4	2 489.1	1 628.5	52.8	16.8	31.5	-46.6
1	1.2	1.0	14.9	28.3	19.5	45.0	24.2	19.2	26.2
Forward of the drive axle .....	.3	N	N	S	N	N	S	N	N
Below the chassis	S	N	N	S	N	N	S	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported .....	.6	N	N	S	N	N	S	N	N
2 or more	V	S	S	V	S	S	V	S	S
Forward of the drive axle	V	N	N	V	N	N	V	N	N
Below the chassis	V	N	N	V	N	N	V	N	N
Beyond the chassis	V	N	N	V	N	N	V	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported	1.9	N	N	18.6	N	N	9.7	N	N
Not applicable ¹⁰	2 582.0	N	N	31 483.5	N	N	12.2	N	N
Total liftable axles and number of braking axles:									
None	148.1	51.7	186.4	2 489.1	1 628.5	52.8	16.8	31.5	-46.6
1	1.2	1.0	14.9	28.3	19.5	45.0	24.2	19.2	26.2
0 braking	S	N	N	S	N	N	S	N	N
1 braking .....	.4	N	N	S	N	N	S	N	N
Not reported .....	.7	N	N	S	N	N	S	N	N
2 or more	V	S	S	V	S	S	V	S	S
0 braking	V	N	N	V	N	N	V	N	N
1 braking	V	N	N	V	N	N	V	N	N
2 or more braking	V	N	N	V	N	N	V	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported	1.9	N	N	18.6	N	N	9.7	N	N
Not applicable ¹⁰	2 582.0	N	N	31 483.5	N	N	12.2	N	N

See footnotes at end of table.

Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
CAB TYPE									
Conventional cab	127.8	113.3	12.7	2 070.8	3 272.2	-36.7	16.2	28.9	-43.9
With sleeper	1.4	N	N	55.8	N	N	39.5	N	N
Without sleeper	124.2	N	N	1 952.8	N	N	15.7	N	N
Not reported	2.2	N	N	62.2	N	N	28.2	N	N
Cab over engine	20.2	16.6	21.4	424.8	459.7	-7.6	21.1	27.7	-23.9
With sleeper	1.1	N	N	27.7	N	N	25.9	N	N
Without sleeper	18.5	N	N	393.8	N	N	21.3	N	N
Not reported .....	.6	N	N	S	N	N	S	N	N
Cab forward of engine .....	.9	6.8	-87.0	14.0	99.2	-85.8	15.8	14.5	9.1
Cab beside engine	1.4	2.0	-29.2	14.7	S	S	10.6	S	S
Not reported	1.0	N	N	S	N	N	S	N	N
Not applicable ¹⁰	2 582.0	N	N	31 483.5	N	N	12.2	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

³Truck-tractors not in use.

⁴Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

⁵Detail lines do not add to total because items were not applicable or multiple responses were possible.

⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁷Distributed miles data are available in Table 8.

⁸Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

⁹Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

¹⁰Pickups, minivans, other light vans, and sport utilities.

¹¹Data were derived from administrative records.

¹²Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: Table 2b provides estimated measures of sampling variability. The Introduction gives 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/svsd/www/02vehinv.html.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
Total	1.0	.7	1.5	3.2	3.4	4.6	3.1	3.3	3.6
BUSINESS									
For-hire transportation or warehousing	12.0	20.0	9.5	13.5	9.5	2.8	8.7	12.8	6.3
Vehicle leasing or rental	45.3	31.3	88.1	47.6	24.6	75.8	22.6	10.0	21.9
Agriculture, forestry, fishing, or hunting	28.3	16.0	11.7	30.1	20.1	13.0	6.7	13.7	15.2
Mining	S	S	S	S	S	S	S	S	S
Utilities	36.2	29.3	50.0	43.6	35.2	103.6	19.2	13.2	40.1
Construction	17.3	14.1	22.9	21.5	16.5	24.2	13.2	7.6	13.3
Manufacturing	16.9	27.1	4.2	22.2	28.3	4.6	15.8	18.5	24.0
Wholesale trade	44.2	22.7	20.3	42.1	22.9	18.2	8.0	8.3	10.8
Retail trade	33.8	18.8	16.4	31.7	21.7	11.8	9.6	12.6	11.4
Information services	42.1	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	35.9	N	N	38.4	N	N	25.3	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	24.8	N	N	24.8	N	N	9.1	N	N
Other services	29.3	N	N	35.5	N	N	20.6	N	N
Personal transportation	2.7	2.7	5.0	4.5	5.4	7.9	3.6	4.6	5.1
Not reported	16.7	N	N	17.5	N	N	7.5	N	N
Not applicable ¹	24.1	27.1	60.2	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	1.0	.8	1.5	3.3	3.7	5.1	3.1	3.6	4.0
Pickup	1.6	1.4	2.3	5.4	6.0	7.4	5.1	5.8	6.5
Minivan	16.0	10.5	14.4	20.1	12.3	15.9	12.1	6.4	12.3
Other light vans	20.2	14.7	20.5	25.6	19.6	17.2	15.8	13.0	13.3
Sport utility	4.8	7.5	19.1	6.7	9.5	20.8	4.7	5.8	6.2
Armored	S	N	N	S	N	N	S	N	N
Beverage	42.4	N	N	42.6	N	N	3.8	N	N
Concrete mixer	16.2	17.6	22.4	17.8	18.0	35.0	7.5	10.9	19.5
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	28.0	S	S	38.6	S	S	27.9	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	8.2	10.0	15.1	11.5	11.7	24.3	9.3	10.8	18.2
Flatbed, stake, or platform	6.8	12.4	12.6	10.7	14.5	17.8	8.3	14.9	18.9
Low boy	S	36.3	S	S	43.3	S	S	27.7	S
Pole, logging, pulpwood, or pipe	44.4	29.8	70.7	S	36.0	S	S	20.6	S
Service, utility	13.3	19.0	34.0	16.6	23.2	87.4	9.3	13.0	33.5
Service, other	15.8	22.8	42.2	21.9	28.4	104.6	14.6	20.1	47.5
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	S	S	S	S	S	S	S	S	S
Tank, liquids or gases	21.2	23.9	32.5	30.5	31.0	31.0	22.2	18.5	20.2
Tow/Wrecker	22.4	22.8	24.7	33.9	32.4	21.9	26.5	24.1	21.7
Trash, garbage, or recycling	18.6	26.8	60.4	19.4	22.6	40.2	12.2	18.5	16.1
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	9.2	12.6	20.6	12.8	16.9	25.0	8.8	12.1	13.3
Van, insulated nonrefrigerated	S	S	S	S	S	S	S	S	S
Van, insulated refrigerated	36.6	30.1	29.8	45.0	32.5	22.5	28.5	18.4	21.9
Van, open top	25.3	31.2	53.0	34.4	36.9	58.8	24.1	41.8	42.6
Van, step, walk-in, or multistop	11.6	12.5	15.5	14.8	14.5	16.9	9.5	7.8	11.0
Van, other	25.8	N	N	36.1	N	N	27.0	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	6.4	2.7	2.4	8.8	3.1	1.6	7.4	2.9	4.1
Automobile carrier	S	S	S	S	S	S	S	S	S
Beverage	43.9	N	N	44.9	S	S	8.9	S	S
Curtainside	N	N	N	N	N	N	N	N	N
Dump	24.9	18.4	22.0	30.7	21.9	20.8	17.8	11.9	16.7
Flatbed, stake, or platform	27.0	8.8	5.1	28.9	9.8	3.3	22.8	6.9	14.3
Livestock	S	S	S	S	S	S	S	S	S
Low boy	17.8	17.5	16.1	25.6	24.0	37.8	18.5	21.8	47.7
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	31.2	16.7	13.4	42.0	20.6	12.4	27.7	12.2	21.2
Pole, logging, pulpwood, or pipe	28.1	15.0	12.1	33.1	17.6	13.3	17.3	9.4	18.4
Tank, dry bulk	27.8	32.9	76.7	30.6	37.0	84.0	12.5	16.4	20.3
Tank, liquids or gases	S	21.2	S	S	23.8	S	S	11.7	S
Van, basic enclosed	15.4	4.8	4.0	19.2	5.6	2.2	12.7	3.1	5.8
Van, drop-frame	N	44.2	N	N	46.7	N	N	15.2	N
Van, insulated nonrefrigerated	N	37.3	N	N	45.8	N	N	26.6	N
Van, insulated refrigerated	49.6	15.7	4.9	S	15.9	S	S	8.8	S
Other	N	N	N	N	N	N	N	N	N
Not applicable ²	28.1	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	10.8	9.1	15.8	13.5	11.7	19.4	8.2	6.8	10.4
5,000 to 9,999	9.6	8.9	16.9	9.9	9.1	17.2	2.3	2.0	3.0
10,000 to 19,999	4.7	5.4	11.6	4.9	5.6	11.9	1.3	1.5	2.0
20,000 to 29,999	14.6	9.4	11.0	14.6	9.4	11.0	1.8	1.2	2.1
30,000 to 49,999	18.6	13.3	17.3	18.5	13.4	16.9	2.3	1.8	2.9
50,000 to 74,999	49.3	25.9	31.2	49.1	25.0	31.6	6.4	2.3	7.0
75,000 or more	19.5	22.6	2.5	19.6	23.9	2.2	4.5	6.4	6.7
Not applicable ¹	24.1	28.0	63.2	S	N	S	S	N	S

See footnotes at end of table.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	S	18.7	S	34.9	26.5	3.1	S	16.2	S
50 miles or less	4.2	2.6	4.6	5.7	4.8	6.3	4.0	4.0	5.1
51 to 100 miles	15.1	10.6	14.4	16.7	13.0	12.5	8.6	8.3	9.0
101 to 200 miles	37.8	20.9	21.8	46.4	27.3	18.6	29.4	13.4	23.2
201 to 500 miles	49.4	21.0	15.7	S	16.4	S	S	10.3	S
501 miles or more	42.0	26.8	31.6	S	21.8	S	S	15.7	S
Not reported	7.1	28.0	509.8	8.7	N	N	5.1	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	N	N	N	N	N	N	N	N	N
Operated in Mexico	N	N	N	N	N	N	N	N	N
Operated within the home base state	3.2	N	N	5.0	N	N	3.9	N	N
Operated in states other than the home base state	41.8	N	N	42.2	N	N	12.0	N	N
Not reported	7.5	N	N	8.6	N	N	4.2	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	3.4	N	N	4.6	N	N	3.3	N	N
7 to 11	11.5	N	N	13.5	N	N	7.2	N	N
2 to 6	12.2	N	N	16.5	N	N	10.9	N	N
1 or less	21.2	N	N	38.4	N	N	30.9	N	N
Vehicle not used	24.1	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	1.1	.8	1.6	3.5	3.8	5.2	3.3	3.7	4.2
Medium	15.7	8.1	37.3	22.6	11.8	57.5	8.7	9.0	13.4
Light-heavy	7.0	10.9	22.3	11.1	17.4	29.7	8.6	13.7	13.5
Heavy-heavy	4.3	3.2	3.8	5.7	2.7	2.2	4.8	3.3	2.9
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	2.8	1.3	3.1	4.9	4.1	5.3	4.0	3.9	4.7
6,001 to 8,500	9.7	N	N	11.3	N	N	5.8	N	N
8,501 to 10,000	25.1	N	N	29.6	N	N	17.1	N	N
10,001 to 14,000	23.8	11.4	63.5	32.7	16.2	87.4	11.3	12.0	16.4
14,001 to 16,000	12.5	16.9	31.7	17.6	18.6	47.8	12.5	11.9	21.3
16,001 to 19,500	12.8	21.1	49.6	18.5	29.7	75.9	13.5	23.2	29.0
19,501 to 26,000	7.0	10.9	22.3	11.1	17.4	29.7	8.6	13.7	13.5
26,001 to 33,000	13.2	13.1	16.0	18.7	17.1	23.7	13.0	12.7	19.8
33,001 to 40,000	14.9	13.8	17.0	21.1	13.5	13.9	16.0	12.9	13.6
40,001 to 50,000	13.5	9.8	15.4	18.3	12.0	10.8	15.1	9.5	9.6
50,001 to 60,000	7.4	8.7	12.5	9.9	9.2	9.0	6.8	7.6	6.2
60,001 to 80,000	7.4	3.2	3.0	10.1	4.0	2.1	7.2	3.0	4.0
80,001 to 100,000	S	44.7	S	S	S	S	S	S	S
100,001 to 130,000	N	S	S	N	S	S	N	S	S
130,001 or more	S	N	S	S	N	S	S	N	S
TOTAL LENGTH (FEET)									
Less than 20.0	1.6	.9	2.1	3.8	3.8	5.3	3.4	3.7	4.3
20.0 to 27.9	14.2	11.0	65.0	15.8	15.7	66.9	7.1	7.9	8.8
28.0 to 35.9	27.6	21.3	39.4	26.5	31.2	30.3	12.4	16.1	13.3
36.0 to 40.9	38.8	20.3	137.2	46.3	26.4	218.1	9.4	19.6	28.4
41.0 to 44.9	26.4	25.8	30.4	32.0	24.0	15.2	21.1	23.4	14.6
45.0 to 49.9	26.7	19.7	19.5	30.4	22.8	22.7	26.7	19.7	33.8
50.0 to 54.9	22.7	15.3	19.5	28.1	18.4	25.9	14.5	12.9	21.0
55.0 to 59.9	14.3	7.4	9.0	15.4	8.7	5.8	12.4	4.8	7.9
60.0 to 64.9	20.1	6.7	5.3	27.4	7.3	2.8	19.2	4.7	7.9
65.0 to 69.9	20.9	6.9	3.6	24.8	8.0	2.9	13.3	4.2	9.6
70.0 to 74.9	44.1	14.9	7.3	S	18.0	S	S	10.3	S
75.0 to 79.9	S	N	N	S	N	N	S	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	12.2	10.3	12.4	14.4	10.5	9.3	13.3	9.8	11.1
5 to 6.9	8.1	9.9	5.4	9.7	8.5	2.6	7.9	4.3	4.4
7 to 8.9	10.4	16.0	7.9	13.8	11.2	5.8	10.0	10.7	11.7
9 to 10.9	20.9	16.3	25.3	32.5	32.2	23.8	25.4	27.1	20.2
11 to 12.9	22.9	12.5	11.4	27.0	16.5	12.5	14.7	10.9	16.7
13 to 14.9	15.9	10.4	13.1	19.9	14.4	19.3	12.1	10.2	18.0
15 or more	4.5	3.0	5.2	6.3	4.5	6.4	4.3	3.4	4.7
15 to 20.9	5.7	4.3	7.1	7.4	5.9	8.7	4.7	4.1	5.7
21 to 24.9	18.6	11.2	12.6	21.9	13.0	10.6	11.4	6.6	9.5
25 or more	19.9	22.0	53.3	25.5	27.2	40.0	15.9	16.1	13.5
Not reported	7.2	17.9	324.2	8.3	10.2	224.9	4.4	19.3	20.2
Not applicable ¹	24.1	N	N	S	N	N	S	N	N

See footnotes at end of table.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	17.9	N	N	18.7	N	N	7.1	N	N
2001	14.1	N	N	15.3	N	N	6.4	N	N
2000	13.5	N	N	14.5	N	N	6.1	N	N
1999	15.0	N	N	16.1	N	N	6.8	N	N
1998	18.6	S	S	20.5	S	S	9.7	S	S
1997	15.7	13.1	23.2	17.0	14.0	19.9	7.3	7.2	8.2
1996	22.5	14.2	16.3	26.6	14.4	15.6	15.2	6.5	13.9
1995	16.7	14.4	24.9	19.2	14.3	16.8	10.1	6.3	7.3
1994	19.1	13.5	17.8	20.3	15.1	7.5	9.7	8.0	4.9
1993	22.5	14.1	16.0	29.3	16.0	18.0	19.5	9.5	19.3
Pre-1993	6.5	3.5	4.6	9.2	6.6	3.4	6.8	5.6	4.3
VEHICLE ACQUISITION									
New	6.4	4.7	7.7	8.0	5.7	8.3	5.1	3.6	5.5
Used	5.3	4.1	6.9	7.7	7.2	8.3	5.5	6.0	6.2
Not reported	8.7	16.0	84.7	9.5	15.4	56.1	4.1	8.4	6.2
LEASE CHARACTERISTICS									
Leased	23.3	N	N	23.9	N	N	9.9	N	N
Lessee	26.9	N	N	28.0	N	N	12.0	N	N
Vehicle only	16.4	N	N	18.3	N	N	10.4	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ³	29.5	N	N	32.4	N	N	13.7	N	N
Lessor	S	N	N	S	N	N	S	N	N
Vehicle only	24.5	N	N	24.9	N	N	4.0	N	N
Vehicle with driver	47.5	N	N	44.5	N	N	26.6	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not applicable ³	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	5.2	N	N	7.2	N	N	5.1	N	N
Not reported	4.5	N	N	6.0	N	N	3.9	N	N
Length of leasing agreement:									
Leased	23.3	N	N	23.9	N	N	9.9	N	N
1 to 11 months	S	N	N	S	N	N	S	N	N
12 months or more	12.9	N	N	14.1	N	N	7.3	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ³	26.0	N	N	28.4	N	N	11.5	N	N
Provisions of lease:									
Financing only	16.0	N	N	18.0	N	N	10.5	N	N
Full maintenance	23.4	N	N	23.6	N	N	6.7	N	N
Payment of taxes	20.8	N	N	21.4	N	N	8.8	N	N
Obtaining licenses and permits	22.5	N	N	23.0	N	N	5.0	N	N
Recordkeeping	41.0	N	N	40.9	N	N	21.2	N	N
Fuel contract	40.5	N	N	43.6	N	N	14.6	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	8.4	N	N	10.0	N	N	5.7	N	N
Motor carrier	11.0	N	N	12.2	N	N	8.1	N	N
Owner operator	48.0	N	N	S	N	N	S	N	N
Rental	43.9	N	N	45.3	N	N	21.8	N	N
Personal transportation	2.7	N	N	4.5	N	N	3.6	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	17.9	N	N	18.0	N	N	9.7	N	N
Common	13.8	N	N	14.8	N	N	9.4	N	N
Not reported	16.2	N	N	19.5	N	N	16.4	N	N
Not applicable ⁴	1.0	N	N	3.3	N	N	3.1	N	N
Type of service:									
Truckload	14.4	5.9	7.1	14.6	6.4	3.2	9.1	4.0	4.4
Less-than truckload	15.3	14.8	29.8	18.4	14.8	12.5	11.1	10.8	5.9
Not reported	16.6	N	N	19.6	N	N	15.5	N	N
Not applicable ⁴	1.0	N	N	3.3	N	N	3.1	N	N
Source of hauls:									
Shippers or receivers	12.3	N	N	13.1	N	N	8.2	N	N
Brokers	S	N	N	S	N	N	S	N	N
Centralized markets or exchanges	S	N	N	S	N	N	S	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	13.5	N	N	15.9	N	N	12.3	N	N
Not applicable ⁴	1.0	N	N	3.3	N	N	3.1	N	N
HAZARDOUS MATERIALS CARRIED⁵									
Carrying hazardous materials	21.2	12.8	13.6	27.4	10.9	6.1	20.1	10.2	8.5
Not carrying hazardous materials	3.2	2.6	3.0	4.8	3.5	3.1	3.9	3.3	3.6
Not reported	6.6	6.0	6.3	8.7	7.7	6.4	5.9	6.2	6.7
Not applicable ⁶	1.0	N	N	3.5	N	N	3.3	N	N

See footnotes at end of table.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE ⁷									
Aerial work platform/bucket	21.4	N	N	27.1	N	N	15.9	N	N
Air bag(s) (safety device only)	4.7	6.5	16.6	6.1	7.4	16.2	3.9	4.1	4.6
Air compressor (except air brakes)	17.4	N	N	21.9	N	N	18.1	N	N
Air-conditioning	3.2	2.2	4.2	4.8	4.2	5.5	3.7	3.7	4.1
Air springs	16.3	N	N	20.7	N	N	12.8	N	N
Antilock brake system	4.8	4.9	9.5	6.1	6.0	9.9	3.9	3.8	4.6
Collision warning system	40.5	N	N	45.3	N	N	19.7	N	N
Computerized drive train control unit	15.2	N	N	17.2	N	N	8.6	N	N
Crane	29.4	N	N	40.2	N	N	27.2	N	N
Electronic vehicle identification device	S	17.0	S	S	19.9	S	S	10.4	S
Engine retarder/brake	9.0	6.6	6.2	10.9	6.5	3.3	7.7	5.2	4.4
Front-wheel drive	8.1	10.0	26.2	10.3	11.7	23.8	6.3	6.1	6.6
Hoist	14.6	N	N	21.0	N	N	17.6	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	26.1	N	N	29.5	N	N	16.4	N	N
Internet access	S	N	N	S	N	N	S	N	N
Lift gate	17.2	N	N	26.8	N	N	20.6	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	44.3	24.8	20.7	44.4	29.6	6.6	3.5	16.3	5.0
Power take-off	7.1	N	N	9.2	N	N	7.7	N	N
Radial tires	4.6	2.2	4.0	6.4	4.2	4.7	4.6	3.7	4.6
Reflective material in addition to those required by law	10.8	6.4	5.1	12.6	6.3	2.9	8.4	5.6	5.1
Road speed governor	7.7	5.2	5.0	8.9	4.6	2.9	6.3	4.5	4.2
Toolbox	12.6	N	N	16.2	N	N	10.6	N	N
Trip recorder or on-board computer with communication capabilities	26.7	N	N	27.5	N	N	11.7	N	N
Trip recorder or on-board computer without communication capabilities	11.0	N	N	13.7	N	N	8.2	N	N
Vehicle control aids for handicapped drivers	S	S	S	S	S	S	S	S	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	46.6	N	N	39.9	N	N	14.1	N	N
Transmission type:									
Automatic	3.4	N	N	5.3	N	N	4.1	N	N
Manual	10.0	N	N	11.7	N	N	7.9	N	N
Semiautomated manual	N	N	N	N	N	N	N	N	N
Automated manual	S	N	N	S	N	N	S	N	N
Not reported	9.1	N	N	10.2	N	N	4.7	N	N
Braking system:									
Hydraulic (standard)	5.6	7.5	11.8	8.4	12.9	25.0	6.5	10.8	16.2
Hydraulic with power assist	7.9	7.4	7.9	12.5	11.4	12.2	9.7	8.9	13.0
Air	5.2	3.4	3.9	6.8	3.2	2.2	5.6	3.5	3.2
Other	N	37.3	N	N	44.8	N	N	25.4	N
Not reported	6.2	N	N	8.2	N	N	5.7	N	N
Not applicable ⁹	1.0	N	N	3.5	N	N	3.3	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1.5	1.0	2.1	3.6	3.9	5.3	3.3	3.8	4.3
Diesel	12.8	8.2	19.8	12.9	5.6	10.7	6.3	4.7	4.6
Natural gas	N	N	N	N	N	N	N	N	N
Propane	44.5	N	N	S	N	N	S	N	N
Alcohol fuels	N	N	N	N	N	N	N	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	N	N	N	N	N	N	N	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N
Cylinders ⁹ :									
4 cylinders	11.2	9.0	14.2	14.0	11.8	13.4	9.0	7.8	8.8
6 cylinders	5.2	4.6	8.5	6.6	5.2	7.8	4.4	3.6	4.3
8 cylinders	5.4	5.3	10.5	7.4	8.9	13.4	5.0	7.1	7.3
Other	20.3	16.7	15.2	23.3	24.1	18.5	10.8	19.5	21.3
Cubic inch displacement ⁹ :									
Gasoline fuel	1.5	1.0	2.1	3.6	3.9	5.3	3.3	3.8	4.3
Less than 200	8.7	6.1	8.9	11.6	7.9	9.0	7.7	5.0	7.0
200 to 299	6.2	8.0	20.8	7.6	9.6	21.8	4.4	5.4	6.1
300 to 349	10.6	9.1	16.1	12.8	15.6	17.0	7.1	12.6	10.6
350 to 399	11.2	9.6	15.8	14.8	12.8	17.9	9.5	8.1	10.7
400 or more	31.6	26.2	39.5	29.1	34.3	25.6	16.9	22.7	16.7
Not available	25.0	15.2	9.9	31.4	26.3	14.8	19.0	21.1	30.1
Diesel fuel	12.8	8.2	19.8	12.9	5.6	10.7	6.3	4.7	4.6
Less than 400	26.3	25.5	104.1	30.8	26.6	105.0	16.4	7.3	16.3
400 to 599	19.2	18.9	43.4	19.3	21.1	46.6	6.2	10.6	12.4
600 to 799	6.5	5.1	5.7	8.1	5.4	3.9	6.1	4.4	4.3
800 or more	11.5	4.1	3.0	15.6	5.5	1.8	11.5	3.7	5.5
Not available	S	9.0	S	34.4	11.3	10.1	S	10.3	S
Other fuel	44.5	S	S	S	S	S	S	S	S
Less than 400	S	S	S	S	S	S	S	S	S
400 or more	49.8	S	S	S	S	S	S	S	S
Not available	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N

See footnotes at end of table.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
REFUELING LOCATION									
Gas station	2.7	N	N	4.6	N	N	3.7	N	N
Truck stop	37.5	N	N	27.4	N	N	23.2	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	23.2	N	N	26.5	N	N	15.4	N	N
Other company's/contractor's facility not open to the public	26.8	N	N	32.8	N	N	23.2	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	9.8	N	N	10.5	N	N	4.0	N	N
Not applicable ¹	24.1	N	N	S	N	N	S	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	36.8	38.8	81.6	49.6	45.3	37.5	32.5	22.0	14.4
Company-owned maintenance facility	15.7	12.9	23.7	16.5	11.7	13.3	9.7	6.2	6.5
General repair business or private mechanic ..	6.5	5.6	9.9	8.5	8.2	11.6	5.6	6.0	7.0
Dealership service department	8.6	8.0	14.8	10.0	9.1	14.1	5.1	4.7	5.8
Leasing company	44.1	36.6	2.3	45.4	34.4	2.5	22.4	9.7	26.6
Individual not employed/paid by any maintenance type facility									
Other	7.1	4.2	6.0	9.7	6.6	6.1	6.5	5.1	5.9
Not reported	N	32.6	N	N	42.5	N	N	27.8	N
Not applicable ¹	9.8	15.6	73.5	10.4	18.6	79.9	3.9	13.5	13.2
Extensive repairs performed by:									
None performed	3.3	17.4	266.1	5.0	19.5	266.7	3.8	8.3	8.1
Company-owned maintenance facility	40.4	18.4	17.9	47.9	17.0	21.9	24.4	8.6	27.7
General repair business or private mechanic ..	20.3	8.6	6.8	25.4	10.2	7.9	16.3	6.4	16.3
Dealership service department	28.3	11.6	8.7	30.9	12.9	9.6	14.2	7.6	16.2
Leasing company	S	S	S	S	44.1	S	S	S	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	S	30.0	S	S	27.4	S	S	15.9	S
Other	23.5	13.8	14.4	30.4	19.4	17.3	19.5	13.8	21.6
Not reported	N	S	S	N	S	S	N	S	S
Not applicable ¹	24.1	3.7	N	N	6.3	N	N	5.1	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles	1.1	.9	1.7	3.3	3.7	5.2	3.1	3.6	4.1
3 axles	1.1	.9	1.7	3.4	3.7	5.3	3.2	3.6	4.1
4 axles	6.0	6.9	9.6	9.0	8.6	12.7	6.8	7.0	9.5
5 axles or more	33.0	S	S	44.3	S	S	29.8	S	S
Not reported	N	N	N	N	N	N	N	N	N
Combinations	14.7	N	N	22.8	N	N	15.7	N	N
Combinations									
Single-unit trucks with trailer	25.5	12.5	20.7	23.0	8.4	6.8	19.4	6.7	7.8
3 axles	34.2	29.4	57.8	45.6	38.5	38.9	33.1	18.0	19.1
4 axles	S	S	S	S	S	S	S	S	S
5 axles or more	44.3	37.1	72.0	S	S	S	S	S	S
Not reported	29.8	17.6	22.8	36.3	23.7	15.9	29.5	16.2	18.7
Truck-tractors with single trailer	39.2	N	N	47.7	N	N	21.2	N	N
3 axles	6.9	2.8	2.4	8.8	3.2	1.7	7.2	2.9	4.3
4 axles	43.3	28.0	15.0	46.5	35.7	12.5	12.9	29.4	23.6
5 axles or more	27.1	11.2	11.4	36.2	12.8	7.9	27.6	8.0	15.2
Not reported	8.1	2.7	2.0	10.9	3.5	1.6	7.6	2.8	4.9
Truck-tractors with double trailers	17.4	N	N	20.2	N	N	14.7	N	N
5 axles	N	35.5	N	N	39.9	N	N	18.9	N
6 axles	N	S	S	N	S	S	N	S	S
7 axles	N	S	S	N	S	S	N	S	S
8 axles or more	N	S	S	N	S	S	N	S	S
Not reported	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers	N	N	N	N	N	N	N	N	N
7 axles	N	N	N	N	N	N	N	N	N
8 axles	N	N	N	N	N	N	N	N	N
9 axles	N	N	N	N	N	N	N	N	N
10 axles or more	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Driving axles:									
1	2.9	2.5	4.8	4.7	5.2	7.7	3.6	4.5	5.1
2	7.8	6.2	11.0	9.4	6.9	8.6	5.7	4.4	4.9
3 or more	37.4	15.6	9.0	46.1	18.3	2.6	26.9	9.8	6.8
Not reported	12.4	N	N	18.7	N	N	12.9	N	N
Total liftable axles and locations:									
None	1.6	5.3	15.9	3.6	5.4	10.0	3.3	5.1	3.3
1	29.7	45.1	62.0	37.0	46.1	85.8	26.4	51.4	72.9
Forward of the drive axle	49.6	N	N	S	N	N	S	N	N
Below the chassis	S	N	N	S	N	N	S	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	47.5	N	N	S	N	N	S	N	N
2 or more	N	S	S	N	S	S	N	S	S
Forward of the drive axle	N	N	N	N	N	N	N	N	N
Below the chassis	N	N	N	N	N	N	N	N	N
Beyond the chassis	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	21.4	N	N	31.6	N	N	20.3	N	N
Not applicable ⁶	1.0	N	N	3.5	N	N	3.3	N	N

See footnotes at end of table.

Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles:									
None	1.6	5.3	15.9	3.6	5.4	10.0	3.3	5.1	3.3
1	29.7	45.1	62.0	37.0	46.1	85.8	26.4	51.4	72.9
0 braking	S	N	N	S	N	N	S	N	N
1 braking	44.4	N	N	S	N	N	S	N	N
Not reported	43.8	N	N	S	N	N	S	N	N
2 or more	N	S	S	N	S	S	N	S	S
0 braking	N	N	N	N	N	N	N	N	N
1 braking	N	N	N	N	N	N	N	N	N
2 or more braking	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	21.4	N	N	31.6	N	N	20.3	N	N
Not applicable ⁸	1.0	N	N	3.5	N	N	3.3	N	N
CAB TYPE									
Conventional cab	2.0	3.0	4.0	4.1	3.5	3.4	3.7	3.5	2.8
With sleeper	22.1	N	N	28.0	N	N	17.3	N	N
Without sleeper	2.1	N	N	4.3	N	N	3.8	N	N
Not reported	23.5	N	N	32.0	N	N	23.7	N	N
Cab over engine	6.3	8.2	12.5	9.7	9.1	12.3	6.8	7.1	7.5
With sleeper	25.5	N	N	36.7	N	N	26.5	N	N
Without sleeper	6.7	N	N	10.2	N	N	7.1	N	N
Not reported	34.9	N	N	S	N	N	S	N	N
Cab forward of engine	42.0	19.5	6.0	42.0	25.0	6.9	22.8	16.5	30.7
Cab beside engine	38.8	38.4	38.6	49.7	S	S	30.3	S	S
Not reported	32.6	N	N	S	N	N	S	N	N
Not applicable ⁹	1.0	N	N	3.5	N	N	3.3	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

²Truck-tractors not in use.

³Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

⁴Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁵Distributed miles data are available in Table 8.

⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

⁷Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

⁸Pickups, minivans, other light vans, and sport utilities.

⁹Data were derived from administrative records.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
Total	151.2	169.3	-10.7	2 536.0	4 461.8	-43.2	16.8	26.4	-36.4
BUSINESS¹									
For-hire transportation or warehousing	12.3	20.9	-41.3	303.3	1 592.3	-81.0	24.7	76.1	-67.6
Vehicle leasing or rental	5.1	10.0	-49.1	140.5	272.6	-48.5	27.5	27.2	1.3
Agriculture, forestry, fishing, or hunting	17.9	22.0	-18.6	245.5	418.3	-41.3	13.7	19.0	-27.9
Mining	S	1.6	S	S	72.8	S	S	44.6	S
Utilities	6.9	10.1	-32.0	118.0	100.2	17.7	17.1	9.9	73.1
Construction	28.7	33.0	-13.1	483.9	481.8	.4	16.9	14.6	15.6
Manufacturing	5.4	12.8	-58.0	122.7	364.4	-66.3	22.9	28.5	-19.8
Wholesale trade	5.7	14.0	-59.6	162.9	436.6	-62.7	28.8	31.3	-7.8
Retail trade	9.8	16.0	-39.0	155.8	349.9	-55.5	15.9	21.8	-27.1
Information services	1.2	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	9.4	N	N	209.1	N	N	22.3	N	N
Arts, entertainment, or recreation services .....	.8	N	N	S	N	N	S	N	N
Accommodation or food services	3.1	N	N	47.9	N	N	15.5	N	N
Other services	3.8	N	N	61.6	N	N	16.2	N	N
Personal transportation	V	9.3	N	V	57.5	N	V	6.2	N
Not reported	26.7	V	N	455.9	V	N	17.1	V	N
Not applicable ²	14.1	5.7	147.3	5.2	S	S	.4	S	S
BODY TYPE									
Single-unit trucks	137.1	128.2	6.9	2 067.5	1 810.9	14.2	15.1	14.1	6.8
Armored	S	N	N	S	N	N	S	N	N
Beverage	1.2	V	N	26.6	V	N	21.3	V	N
Concrete mixer	2.5	2.7	-6.5	54.9	39.8	38.0	22.1	14.9	47.6
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	2.9	S	S	47.8	S	S	16.8	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	23.2	19.9	16.4	286.5	193.0	48.4	12.4	9.7	27.5
Flatbed, stake, or platform	34.1	38.5	-11.2	416.5	421.7	-1.2	12.2	11.0	11.3
Low boy	S	1.5	S	S	21.2	S	S	13.7	S
Pole, logging, pulpwood, or pipe .....	.8	.6	32.4	S	23.6	S	S	37.5	S
Service, utility	11.5	7.9	46.6	203.0	66.2	206.8	17.6	8.4	109.3
Service, other	7.9	5.2	52.5	143.6	49.2	191.8	18.1	9.5	91.4
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	S	S	S	S	S	S	S	S	S
Tank, liquids or gases	4.4	4.3	1.8	40.5	56.9	-28.8	9.2	13.2	-30.1
Tow/Wrecker	3.7	4.7	-22.8	45.4	97.0	-53.2	12.4	20.5	-39.4
Trash, garbage, or recycling	3.5	1.9	85.4	84.7	62.8	34.9	24.0	33.0	-27.2
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	18.9	14.3	32.0	382.3	325.1	17.6	20.2	22.7	-10.9
Van, insulated nonrefrigerated	S	S	S	S	S	S	S	S	S
Van, insulated refrigerated	1.4	2.2	-37.1	22.8	56.1	-59.4	16.7	25.8	-35.4
Van, open top	3.3	2.5	32.2	18.4	15.8	16.5	5.6	6.4	-11.9
Van, step, walk-in, or multistop	15.0	16.4	-8.8	235.3	288.0	-18.3	15.7	17.6	-10.4
Van, other	3.1	N	N	30.6	N	N	9.9	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	14.1	41.1	-65.6	468.5	2 651.0	-82.3	33.2	64.5	-48.6
Automobile carrier	S	S	S	S	S	S	S	S	S
Beverage .....	.8	S	S	14.7	S	S	17.3	S	S
Curtainside	V	N	N	V	N	N	V	N	N
Dump	1.1	1.6	-28.9	50.7	91.8	-44.8	45.2	58.2	-22.3
Flatbed, stake, or platform	1.4	7.5	-81.9	45.7	419.5	-89.1	33.9	56.2	-39.7
Livestock	S	S	S	S	S	S	S	S	S
Low boy	2.1	3.3	-35.5	38.4	35.6	7.8	18.0	10.8	67.2
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top .....	.7	1.9	-62.2	31.6	119.4	-73.5	43.6	62.2	-29.9
Pole, logging, pulpwood, or pipe .....	.9	2.4	-62.1	45.3	128.0	-64.6	50.7	54.3	-6.6
Tank, dry bulk .....	.9	.5	78.0	62.6	35.8	75.1	69.1	70.2	-1.6
Tank, liquids or gases	S	1.2	S	S	84.4	S	S	73.2	S
Van, basic enclosed	4.2	17.0	-75.2	140.6	1 283.6	-89.0	33.3	75.3	-55.8
Van, drop-frame	V	.3	N	V	22.5	N	V	80.1	N
Van, insulated nonrefrigerated	V	.4	N	V	39.0	N	V	99.0	N
Van, insulated refrigerated .....	.3	3.1	-90.6	S	308.1	S	S	99.1	S
Other	V	N	N	V	N	N	V	N	N
Not applicable ³ .....	.9	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	32.7	45.4	-27.9	62.3	68.9	-9.5	1.9	1.5	25.5
5,000 to 9,999	15.6	21.9	-28.7	104.3	149.4	-30.2	6.7	6.8	-2.0
10,000 to 19,999	36.0	30.5	18.0	513.9	414.9	23.9	14.3	13.6	5.0
20,000 to 29,999	27.0	18.7	44.3	642.3	433.9	48.0	23.8	23.2	2.6
30,000 to 49,999	18.0	15.8	13.9	656.2	570.8	15.0	36.5	36.1	.9
50,000 to 74,999	5.3	14.3	-63.1	314.3	844.4	-62.8	59.5	59.0	.9
75,000 or more	2.6	18.4	-86.1	237.4	1 979.6	-88.0	92.9	107.3	-13.4
Not applicable ²	14.1	4.2	232.9	5.2	V	N	.4	V	N

See footnotes at end of table.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	4.0	16.3	-75.4	39.5	43.9	-10.0	9.8	2.7	265.1
50 miles or less	69.9	85.3	-18.0	1 086.0	1 301.2	-16.5	15.5	15.3	1.8
51 to 100 miles	16.7	30.8	-45.9	422.1	922.3	-54.2	25.3	29.9	-15.4
101 to 200 miles	2.2	11.4	-80.7	89.9	523.1	-82.8	40.8	45.7	-10.8
201 to 500 miles	2.9	14.3	-79.9	80.4	959.4	-91.6	27.9	67.0	-58.4
501 miles or more	1.6	6.9	-76.8	34.5	712.0	-95.2	21.4	102.8	-79.1
Not reported	39.8	4.2	841.5	778.4	V	N	19.5	V	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N
PRIMARY JURISDICTION									
Operated in Canada	V	N	N	V	N	N	V	N	N
Operated in Mexico	V	N	N	V	N	N	V	N	N
Operated within the home base state	100.5	N	N	1 891.3	N	N	18.8	N	N
Operated in states other than the home base state	2.0	N	N	35.6	N	N	17.8	N	N
Not reported	34.6	N	N	603.8	N	N	17.4	N	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N
MONTHS OPERATED									
12	90.8	N	N	2 066.9	N	N	22.8	N	N
7 to 11	18.4	N	N	299.6	N	N	16.3	N	N
2 to 6	18.9	N	N	153.8	N	N	8.1	N	N
1 or less	9.1	N	N	10.4	N	N	1.1	N	N
Vehicle not used	14.1	N	N	5.2	N	N	.4	N	N
VEHICLE SIZE									
Light	18.1	45.3	-60.0	243.2	447.6	-45.7	13.4	9.9	35.8
Medium	48.3	32.5	48.8	712.2	517.9	37.5	14.7	16.0	-7.6
Light-heavy	34.6	20.0	72.8	487.0	339.1	43.6	14.1	16.9	-16.9
Heavy-heavy	50.2	71.5	-29.8	1 093.5	3 157.2	-65.4	21.8	44.1	-50.7
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	S	15.0	S	S	80.3	S	S	5.4	S
6,001 to 8,500	8.4	N	N	97.4	N	N	11.5	N	N
8,501 to 10,000	9.5	N	N	141.5	N	N	14.8	N	N
10,001 to 14,000	26.3	18.6	41.5	352.3	332.6	5.9	13.4	17.9	-25.2
14,001 to 16,000	12.1	8.0	51.0	186.8	100.2	86.5	15.4	12.5	23.5
16,001 to 19,500	9.9	5.9	68.7	173.2	85.1	103.4	17.5	14.5	20.6
19,501 to 26,000	34.6	20.0	72.8	487.0	339.1	43.6	14.1	16.9	-16.9
26,001 to 33,000	11.3	13.2	-14.1	173.3	185.7	-6.7	15.3	14.1	8.7
33,001 to 40,000	6.8	8.1	-16.3	107.6	193.9	-44.5	15.8	23.8	-33.7
40,001 to 50,000	7.7	8.4	-7.8	155.2	314.1	-50.6	20.1	37.5	-46.4
50,001 to 60,000	13.3	12.2	9.1	257.5	384.7	-33.1	19.3	31.5	-38.7
60,001 to 80,000	10.7	29.3	-63.4	389.7	2 064.1	-81.1	36.3	70.5	-48.5
80,001 to 100,000	S	.3	S	S	S	S	S	S	S
100,001 to 130,000	V	S	S	V	S	S	V	S	S
130,001 or more	S	V	S	S	V	S	S	V	S
TOTAL LENGTH (FEET)									
Less than 20.0	54.7	51.9	5.3	773.4	547.4	41.3	14.1	10.5	34.2
20.0 to 27.9	50.7	47.4	6.8	670.7	691.1	-3.0	13.2	14.6	-9.2
28.0 to 35.9	19.7	21.5	-8.5	353.5	423.7	-16.6	18.0	19.7	-8.8
36.0 to 40.9	9.7	5.0	94.8	213.6	95.6	123.3	22.0	19.2	14.7
41.0 to 44.9	2.5	3.1	-17.6	28.0	73.3	-61.9	11.1	23.9	-53.7
45.0 to 49.9	1.6	2.8	-41.4	42.7	71.5	-40.3	26.0	25.5	1.8
50.0 to 54.9	2.3	3.3	-28.9	92.6	120.2	-22.9	39.9	36.9	8.3
55.0 to 59.9	4.7	8.4	-44.4	168.2	509.7	-67.0	36.1	60.9	-40.7
60.0 to 64.9	3.0	12.0	-75.1	82.0	820.0	-90.0	27.6	68.5	-59.8
65.0 to 69.9	1.6	9.7	-83.8	89.1	801.9	-88.9	57.0	83.0	-31.3
70.0 to 74.9 .....	.4	2.4	-84.2	S	198.5	S	S	83.7	S
75.0 to 79.9	S	N	N	S	N	N	S	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	9.5	12.2	-22.2	195.4	375.3	-47.9	20.6	30.8	-33.1
5 to 6.9	20.5	44.4	-53.9	463.2	2 102.2	-78.0	22.6	47.3	-52.2
7 to 8.9	15.8	31.3	-49.6	246.7	683.6	-63.9	15.7	21.8	-28.4
9 to 10.9	18.5	27.3	-32.2	280.6	319.6	-12.2	15.2	11.7	29.6
11 to 12.9	11.3	13.8	-18.3	171.9	228.9	-24.9	15.2	16.5	-8.1
13 to 14.9	6.1	4.0	53.6	120.3	69.2	73.9	19.8	17.5	13.2
15 or more	6.7	8.6	-22.4	127.9	140.1	-8.7	19.1	16.3	17.7
15 to 20.9	6.7	7.5	-11.0	127.9	129.0	-9	19.1	17.2	11.4
21 to 24.9	V	V	S	V	S	S	V	S	S
25 or more	V	V	N	V	V	N	V	V	N
Not reported	48.9	27.7	76.4	924.6	543.0	70.3	18.9	19.6	-3.5
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N

See footnotes at end of table.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	3.6	N	N	117.7	N	N	33.1	N	N
2001	6.2	N	N	172.4	N	N	28.0	N	N
2000	10.4	N	N	275.6	N	N	26.6	N	N
1999	12.8	N	N	367.4	N	N	28.8	N	N
1998	6.7	S	S	198.7	S	S	29.8	S	S
1997	7.0	10.3	-31.7	144.9	420.0	-65.5	20.7	40.9	-49.5
1996	7.4	10.4	-29.2	159.8	486.0	-67.1	21.7	46.7	-53.5
1995	10.5	13.4	-21.4	195.8	683.1	-71.3	18.6	50.9	-63.5
1994	7.7	10.0	-22.9	137.8	436.4	-68.4	17.9	43.6	-59.0
1993	5.7	9.1	-37.7	118.8	397.1	-70.1	21.0	43.7	-52.0
Pre-1993	73.3	114.5	-36.0	645.3	1 981.3	-67.4	8.8	17.3	-49.1
VEHICLE ACQUISITION									
New	54.6	67.8	-19.5	1 246.1	2 301.8	-45.9	22.8	34.0	-32.8
Used	61.0	87.9	-30.6	721.4	1 533.5	-53.0	11.8	17.5	-32.2
Not reported	35.7	13.6	161.7	568.5	626.5	-9.3	15.9	46.0	-65.3
LEASE CHARACTERISTICS									
Leased	10.2	N	N	280.2	N	N	27.6	N	N
Lessee	6.6	N	N	186.8	N	N	28.4	N	N
Vehicle only	6.4	N	N	180.2	N	N	28.0	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Lessor	3.2	N	N	83.8	N	N	26.0	N	N
Vehicle only	2.6	N	N	70.1	N	N	26.7	N	N
Vehicle with driver .....	.6	N	N	13.7	N	N	22.7	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not leased	3	N	N	S	N	N	S	N	N
Not leased	71.7	N	N	1 221.0	N	N	17.0	N	N
Not reported	69.4	N	N	1 034.8	N	N	14.9	N	N
Length of leasing agreement:									
Leased	10.2	N	N	280.2	N	N	27.6	N	N
1 to 11 months	S	N	N	S	N	N	S	N	N
12 months or more	9.6	N	N	268.6	N	N	27.9	N	N
Not reported	S	N	N	S	N	N	S	N	N
Provisions of lease ⁴ :									
Financing only	6.5	N	N	180.0	N	N	27.8	N	N
Full maintenance	2.8	N	N	80.0	N	N	28.7	N	N
Payment of taxes	3.9	N	N	96.2	N	N	24.8	N	N
Obtaining licenses and permits	2.9	N	N	79.2	N	N	27.0	N	N
Recordkeeping	1.1	N	N	23.6	N	N	22.1	N	N
Fuel contract .....	.4	N	N	14.5	N	N	33.8	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	111.2	N	N	1 821.2	N	N	16.4	N	N
Motor carrier	14.2	N	N	370.4	N	N	26.2	N	N
Owner operator	5.9	N	N	171.2	N	N	28.8	N	N
Rental	5.9	N	N	167.9	N	N	28.7	N	N
Personal transportation	V	N	N	V	N	N	V	N	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N
For-hire characteristics:									
Type of carrier:									
Contract	5.2	N	N	193.6	N	N	37.5	N	N
Common	8.8	N	N	215.6	N	N	24.4	N	N
Not reported	6.1	N	N	132.5	N	N	21.6	N	N
Not applicable ⁵	131.1	N	N	1 994.4	N	N	15.2	N	N
Type of service:									
Truckload	6.0	13.2	-54.4	230.2	1 148.8	-80.0	38.3	87.2	-56.0
Less-than-truckload	8.4	6.1	39.6	175.3	331.5	-47.1	20.8	54.8	-62.1
Not reported	5.6	N	N	136.1	N	N	24.1	N	N
Not applicable ⁵	131.1	N	N	1 994.4	N	N	15.2	N	N
Source of hauls:									
Shippers or receivers	11.2	N	N	315.7	N	N	28.1	N	N
Brokers	S	N	N	S	N	N	S	N	N
Centralized markets or exchanges	S	N	N	S	N	N	S	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	8.3	N	N	208.0	N	N	24.9	N	N
Not applicable ⁵	131.1	N	N	1 994.4	N	N	15.2	N	N
HAZARDOUS MATERIALS CARRIED⁶									
Carrying hazardous materials	4.2	7.6	-45.0	96.1	462.8	-79.2	23.1	61.2	-62.3
Not carrying hazardous materials	92.4	126.9	-27.2	1 724.0	3 301.6	-47.8	18.7	26.0	-28.3
Not reported	34.7	31.0	12.1	542.7	689.7	-21.3	15.6	22.3	-29.8
Not applicable ⁷	19.9	N	N	173.2	N	N	8.7	N	N
EQUIPMENT TYPE⁴									
Aerial work platform/bucket	4.8	N	N	73.8	N	N	15.5	N	N
Air bag(s) (safety device only)	14.8	12.5	18.5	359.4	825.4	-56.5	24.3	66.1	-63.3
Air compressor (except air brakes)	5.2	N	N	134.0	N	N	25.8	N	N
Air-conditioning	65.0	75.0	-13.3	1 525.1	3 224.8	-52.7	23.5	43.0	-45.4
Air springs	2.5	N	N	102.8	N	N	41.3	N	N

See footnotes at end of table.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE⁴—Con.									
Antilock brake system	29.8	22.3	33.8	781.7	1 022.6	-23.6	26.2	45.9	-42.9
Collision warning system	1.3	N	N	38.9	N	N	29.5	N	N
Computerized drive train control unit	2.6	N	N	84.5	N	N	33.1	N	N
Crane	2.2	N	N	28.5	N	N	12.9	N	N
Electronic vehicle identification device	S	1.8	S	S	164.9	S	S	91.4	S
Engine retarder/brake	9.2	16.6	-44.6	304.3	1 174.6	-74.1	33.1	70.9	-53.3
Front-wheel drive	V	V	N	V	V	N	V	V	N
Hoist	7.6	N	N	111.9	N	N	14.8	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	2.6	N	N	72.5	N	N	28.3	N	N
Internet access	S	N	N	S	N	N	S	N	N
Lift gate	6.0	N	N	92.8	N	N	15.4	N	N
Mounting bar for snowplow	V	N	N	V	N	N	V	N	N
Navigational system .....	.3	.8	-59.2	11.8	96.0	-87.7	34.2	113.3	-69.8
Power take-off	29.1	N	N	510.9	N	N	17.6	N	N
Radial tires	65.8	103.4	-36.4	1 337.1	3 430.2	-61.0	20.3	33.2	-38.8
Reflective material in addition to those required by law	14.6	35.7	-59.2	289.9	1 412.9	-79.5	19.9	39.5	-49.7
Road speed governor	24.4	45.1	-45.8	580.7	2 008.7	-71.1	23.8	44.5	-46.6
Toolbox	35.1	N	N	633.9	N	N	18.1	N	N
Trip recorder or on-board computer with communication capabilities	5.2	N	N	110.4	N	N	21.4	N	N
Trip recorder or on-board computer without communication capabilities	1.2	N	N	33.1	N	N	28.1	N	N
Vehicle control aids for handicapped drivers	V	V	N	V	V	N	V	V	N
Wheelchair lift	V	V	N	V	V	N	V	V	N
Winch	7.1	N	N	83.0	N	N	11.8	N	N
Transmission type:									
Automatic	41.0	N	N	677.4	N	N	16.5	N	N
Manual	75.8	N	N	1 299.0	N	N	17.1	N	N
Semiautomated manual	V	N	N	V	N	N	V	N	N
Automated manual	S	N	N	S	N	N	S	N	N
Not reported	34.4	N	N	559.2	N	N	16.3	N	N
Braking system:									
Hydraulic (standard)	47.1	37.4	26.1	655.3	404.4	62.1	13.9	10.8	28.5
Hydraulic with power assist	28.4	38.6	-26.6	434.5	600.7	-27.7	15.3	15.6	-1.5
Air	38.3	62.0	-38.3	842.3	2 826.8	-70.2	22.0	45.6	-51.7
Other	V	1.7	N	V	44.6	N	V	26.3	N
Not reported	37.5	N	N	603.9	N	N	16.1	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	47.4	60.9	-22.2	518.4	522.8	-8	10.9	8.6	27.5
Diesel	88.1	99.6	-11.5	1 993.9	3 880.5	-48.6	22.6	39.0	-41.9
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.2	N	N	S	N	N	S	N	N
Alcohol fuels	V	N	N	V	N	N	V	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	V	N	N	V	N	N	V	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported .....	.5	N	N	6.6	N	N	13.7	N	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N
Cylinders ⁸ :									
4 cylinders	9.7	6.5	49.9	172.4	132.3	30.3	17.8	20.5	-13.0
6 cylinders	58.5	67.1	-12.8	1 402.1	3 192.8	-56.1	23.9	47.6	-49.6
8 cylinders	64.5	71.6	-9.9	821.0	894.4	-8.2	12.7	12.5	1.9
Other	18.5	24.1	-23.2	140.5	242.4	-42.0	7.6	10.1	-24.6
Cubic inch displacement ⁸ :									
Gasoline fuel	47.4	60.9	-22.2	518.4	522.8	-8	10.9	8.6	27.5
Less than 200	S	1.2	S	S	S	S	S	1.3	S
200 to 299	1.9	4.0	-52.6	27.3	69.1	-60.5	14.5	17.3	-16.6
300 to 349	2.8	1.8	54.7	28.1	S	S	9.9	S	S
350 to 399	23.1	29.0	-20.5	283.2	251.9	12.4	12.3	8.7	41.5
400 or more	9.2	8.1	13.0	130.5	124.8	4.6	14.2	15.3	-7.4
Not available	10.1	16.7	-39.3	46.8	53.7	-12.8	4.6	3.2	43.6
Diesel fuel	88.1	99.6	-11.5	1 993.9	3 880.5	-48.6	22.6	39.0	-41.9
Less than 400	20.6	13.3	54.8	391.9	279.3	40.3	19.0	21.0	-9.4
400 to 599	40.2	28.1	42.7	881.8	593.8	48.5	22.0	21.1	4.1
600 to 799	16.1	23.4	-31.3	479.1	1 198.8	-60.0	29.8	51.2	-41.9
800 or more	5.2	21.1	-75.4	144.3	1 289.8	-88.8	27.7	61.1	-54.6
Not available	6.1	13.6	-55.5	96.7	518.7	-81.4	15.9	38.0	-58.1
Other fuel	1.2	S	S	S	S	S	S	S	S
Less than 400	S	S	S	S	S	S	S	S	S
400 or more .....	.9	S	S	S	S	S	S	S	S
Not available	V	V	N	V	V	N	V	V	N
Not reported .....	.5	N	N	6.6	N	N	13.7	N	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N
REFUELING LOCATION									
Gas station	69.0	N	N	1 084.5	N	N	15.7	N	N
Truck stop	9.6	N	N	294.7	N	N	30.7	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	28.6	N	N	592.6	N	N	20.8	N	N
Other company's/contractor's facility not open to the public	2.3	N	N	49.4	N	N	21.1	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	27.7	N	N	509.5	N	N	18.4	N	N
Not applicable ²	14.1	N	N	5.2	N	N	.4	N	N

See footnotes at end of table.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent	2002 truck	1997 truck	Percent	2002 average	1997 average	Percent
	(thousands)	(thousands)	change	miles	miles	change	miles per	miles per	change
	A	B	C	D	E	F	G	H	I
MAINTENANCE⁴									
General maintenance performed by:									
None performed	2.0	S	S	14.3	S	S	7.2	S	S
Company-owned maintenance facility	47.3	55.9	-15.4	1 053.8	2 150.7	-51.0	22.3	38.5	-42.1
General repair business or private mechanic	38.7	36.6	5.6	761.1	877.6	-13.3	19.7	24.0	-17.9
Dealership service department	11.6	11.7	-1.4	238.1	418.7	-43.1	20.6	35.7	-42.4
Leasing company	1.1	2.5	-57.0	35.6	145.7	-75.6	32.7	57.5	-43.2
Individual not employed/paid by any maintenance type facility:									
Other	25.0	53.3	-53.2	284.8	944.1	-69.8	11.4	17.7	-35.6
Not reported	V	S	S	V	S	S	V	S	S
Not applicable ²	26.8	25.3	5.9	491.6	567.4	-13.4	18.4	22.5	-18.2
	14.1	N	N	5.2	N	N	.4	N	N
Extensive repairs performed by:									
None performed	85.1	3.8	2 130.1	1 499.0	46.2	3 145.0	17.6	12.1	45.5
Company-owned maintenance facility	5.8	29.4	-80.2	146.8	957.2	-84.7	25.2	32.5	-22.4
General repair business or private mechanic	12.3	32.0	-61.8	246.3	918.0	-73.2	20.1	28.7	-29.9
Dealership service department	3.7	21.2	-82.8	112.5	895.6	-87.4	30.8	42.2	-27.0
Leasing company	S	1.8	S	S	118.7	S	S	66.8	S
Component distributorship (engine, transmission, body, etc.):									
Individual not employed/paid by any repair type facility	S	5.0	S	S	286.7	S	S	57.6	S
Other	4.8	14.2	-66.3	75.2	156.4	-51.9	15.7	11.0	42.6
Not reported	V	70.3	N	V	S	S	V	S	S
Not applicable ²	14.1	N	N	5.2	1 522.7	N	V	21.7	N
					N	N	.4	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer:									
2 axles	129.4	118.0	9.7	1 938.0	1 663.0	16.5	15.0	14.1	6.2
3 axles	111.5	102.8	8.5	1 601.0	1 356.6	18.0	14.4	13.2	8.8
4 axles	15.6	15.0	4.0	308.8	304.8	1.3	19.8	20.4	-2.6
5 axles or more	.6	S	S	13.7	S	S	21.8	S	S
Not reported	V	N	N	V	N	N	V	N	N
	1.7	V	N	14.5	V	N	8.5	V	N
Combinations:									
Single-unit trucks with trailer:	21.8	51.3	-57.5	598.0	2 798.9	-78.6	27.4	54.5	-49.7
3 axles	8.6	10.2	-16.3	129.5	147.9	-12.5	15.1	14.5	4.5
4 axles	1.2	1.9	-34.3	S	11.2	S	S	5.9	S
5 axles or more	5.3	6.6	-18.7	61.7	77.6	-20.5	11.6	11.8	-2.2
Not reported	1.2	1.8	-34.2	21.7	59.1	-63.3	18.7	33.5	-44.2
	.8	N	N	S	N	N	S	N	N
Truck-tractors with single trailer:	13.2	40.7	-67.5	468.5	2 626.2	-82.2	35.4	64.5	-45.2
3 axles	.7	2.4	-70.9	11.9	55.5	-78.6	17.3	23.5	-26.4
4 axles	2.3	5.9	-61.1	62.8	304.3	-79.4	27.2	51.3	-47.0
5 axles or more	7.6	32.4	-76.5	323.7	2 266.4	-85.7	42.5	70.0	-39.2
Not reported	2.6	N	N	70.2	N	N	26.7	N	N
Truck-tractors with double trailers:	V	.4	N	V	24.7	N	V	59.9	N
5 axles	V	S	S	V	S	S	V	S	S
6 axles	V	S	S	V	S	S	V	S	S
7 axles	V	S	S	V	S	S	V	S	S
8 axles or more	V	S	S	V	S	S	V	S	S
Not reported	V	N	N	V	N	N	V	N	N
Truck-tractors with triple trailers:	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Driving axles:									
1	118.7	119.4	-6	1 711.7	1 874.5	-8.7	14.4	15.7	-8.2
2	30.0	47.7	-37.1	797.4	2 414.8	-67.0	26.5	50.6	-47.5
3 or more	.5	2.2	-77.7	9.1	172.5	-94.7	18.8	79.4	-76.3
Not reported	2.0	V	N	17.7	V	N	8.9	V	N
Total liftable axles and locations ⁹ :									
None	148.1	49.6	198.9	2 489.1	1 587.6	56.8	16.8	32.0	-47.5
1	1.2	1.0	14.9	28.3	19.5	45.0	24.2	19.2	26.2
Forward of the drive axle	.3	N	N	S	N	N	S	N	N
Below the chassis	S	N	N	S	N	N	S	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	.6	N	N	S	N	N	S	N	N
2 or more	V	S	S	V	S	S	V	S	S
Forward of the drive axle	V	N	N	V	N	N	V	N	N
Below the chassis	V	N	N	V	N	N	V	N	N
Beyond the chassis	V	N	N	V	N	N	V	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported	1.9	N	N	18.6	N	N	9.7	N	N
Total liftable axles and number of braking axles:									
None	148.1	49.6	198.9	2 489.1	1 587.6	56.8	16.8	32.0	-47.5
1	1.2	1.0	14.9	28.3	19.5	45.0	24.2	19.2	26.2
0 braking	S	N	N	S	N	N	S	N	N
1 braking	.4	N	N	S	N	N	S	N	N
2 or more	V	S	S	V	S	S	V	S	S
0 braking	V	N	N	V	N	N	V	N	N
1 braking	V	N	N	V	N	N	V	N	N
2 or more braking	V	N	N	V	N	N	V	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported	1.9	N	N	18.6	N	N	9.7	N	N

See footnotes at end of table.

Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
CAB TYPE									
Conventional cab	127.8	113.3	12.7	2 070.8	3 272.2	-36.7	16.2	28.9	-43.9
With sleeper	1.4	N	N	55.8	N	N	39.5	N	N
Without sleeper	124.2	N	N	1 952.8	N	N	15.7	N	N
Not reported	2.2	N	N	62.2	N	N	28.2	N	N
Cab over engine	20.2	16.6	21.4	424.8	459.7	-7.6	21.1	27.7	-23.9
With sleeper	1.1	N	N	27.7	N	N	25.9	N	N
Without sleeper	18.5	N	N	393.8	N	N	21.3	N	N
Not reported .....	.6	N	N	S	N	N	S	N	N
Cab forward of engine .....	.9	6.8	-87.0	14.0	99.2	-85.8	15.8	14.5	9.1
Cab beside engine	1.4	2.0	-29.2	14.7	S	S	10.6	S	S
Not reported	1.0	N	N	S	N	N	S	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

³Truck-tractors not in use.

⁴Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

⁵Vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁶Distributed miles data are available in Table 8.

⁷Vehicles that are rental or used for personal transportation; and vehicles not in use.

⁸Data were derived from administrative records.

⁹Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: Table 3b provides estimated measures of sampling variability. The Introduction gives 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/svsd/www/02vehinv.html.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
Total	1.6	2.9	2.9	3.5	2.7	2.5	3.3	3.4	3.0
BUSINESS									
For-hire transportation or warehousing	12.0	5.6	7.8	13.5	5.4	2.8	8.7	4.1	3.1
Vehicle leasing or rental	18.8	15.3	12.3	20.3	14.2	12.8	7.5	9.4	12.1
Agriculture, forestry, fishing, or hunting	9.7	9.2	10.9	14.1	10.6	10.3	12.3	10.5	11.6
Mining	S	25.1	S	S	25.1	S	S	24.1	S
Utilities	17.1	16.4	16.1	21.9	18.3	33.6	12.7	10.4	28.4
Construction	7.3	7.5	9.1	9.9	10.7	14.7	7.2	8.6	13.0
Manufacturing	16.9	31.7	15.1	22.2	12.2	8.5	15.8	30.0	27.2
Wholesale trade	17.6	11.8	8.6	22.3	11.7	9.4	16.3	7.7	16.6
Retail trade	13.4	11.8	10.9	16.4	14.3	9.7	10.7	10.7	11.0
Information services	42.1	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	12.5	N	N	15.8	N	N	10.8	N	N
Arts, entertainment, or recreation services	49.5	N	N	S	N	N	S	N	N
Accommodation or food services	25.8	N	N	25.8	N	N	9.5	N	N
Other services	22.3	N	N	32.3	N	N	25.7	N	N
Personal transportation	N	17.2	N	N	27.5	N	N	21.4	N
Not reported	7.7	N	N	9.3	N	N	5.6	N	N
Not applicable ¹	11.3	20.5	57.8	47.2	S	S	45.7	S	S
BODY TYPE									
Single-unit trucks	1.8	3.8	4.5	4.0	5.2	7.5	3.6	5.4	6.9
Armored	S	N	N	S	N	N	S	N	N
Beverage	42.4	N	N	42.6	N	N	3.8	N	N
Concrete mixer	16.2	17.6	22.4	17.8	18.0	35.0	7.5	10.9	19.5
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	28.0	S	S	38.6	S	S	27.9	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	8.2	10.0	15.1	11.5	11.7	24.3	9.3	10.8	18.2
Flatbed, stake, or platform	6.8	12.4	12.6	10.7	14.5	17.8	8.3	14.9	18.9
Low boy	S	36.3	S	S	43.3	S	S	27.7	S
Pole, logging, pulpwood, or pipe	44.4	29.8	70.7	S	36.0	S	S	20.6	S
Service, utility	13.3	19.0	34.0	16.6	23.2	87.4	9.3	13.0	33.5
Service, other	15.8	22.8	42.2	21.9	28.4	104.6	14.6	20.1	47.5
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	S	S	S	S	S	S	S	S	S
Tank, liquids or gases	21.2	23.9	32.5	30.5	31.0	31.0	22.2	18.5	20.2
Tow/Wrecker	22.4	22.8	24.7	33.9	32.4	21.9	26.5	24.1	21.7
Trash, garbage, or recycling	18.6	26.8	60.4	19.4	22.6	40.2	12.2	18.5	16.1
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	9.2	12.6	20.6	12.8	16.9	25.0	8.8	12.1	13.3
Van, insulated nonrefrigerated	S	S	S	S	S	S	S	S	S
Van, insulated refrigerated	36.6	30.1	29.8	45.0	32.5	22.5	28.5	18.4	21.9
Van, open top	25.3	31.2	53.0	34.4	36.9	58.8	24.1	41.8	42.6
Van, step, walk-in, or multistop	11.6	12.5	15.5	14.8	14.5	16.9	9.5	7.8	11.0
Van, other	25.8	N	N	36.1	N	N	27.0	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	6.4	2.7	2.4	8.8	3.1	1.6	7.4	2.9	4.1
Automobile carrier	S	S	S	S	S	S	S	S	S
Beverage	43.9	S	S	44.9	S	S	8.9	S	S
Curtainside	N	N	N	N	N	N	N	N	N
Dump	24.9	18.4	22.0	30.7	21.9	20.8	17.8	11.9	16.7
Flatbed, stake, or platform	27.0	8.8	5.1	28.9	9.8	3.3	22.8	6.9	14.3
Livestock	S	S	S	S	S	S	S	S	S
Low boy	17.8	17.5	16.1	25.6	24.0	37.8	18.5	21.8	47.7
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	31.2	16.7	13.4	42.0	20.6	12.4	27.7	12.2	21.2
Pole, logging, pulpwood, or pipe	28.1	15.0	12.1	33.1	17.6	13.3	17.3	9.4	18.4
Tank, dry bulk	27.8	32.9	76.7	30.6	37.0	84.0	12.5	16.4	20.3
Tank, liquids or gases	S	21.2	S	S	23.8	S	S	11.7	S
Van, basic enclosed	15.4	4.8	4.0	19.2	5.6	2.2	12.7	3.1	5.8
Van, drop-frame	N	44.2	N	N	46.7	N	N	15.2	N
Van, insulated nonrefrigerated	N	37.3	N	N	45.8	N	N	26.6	N
Van, insulated refrigerated	49.6	15.7	4.9	S	15.9	S	S	8.8	S
Other	N	N	N	N	N	N	N	N	N
Not applicable ²	28.1	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	7.0	10.7	9.2	8.9	14.0	15.0	5.7	6.4	10.8
5,000 to 9,999	10.4	10.1	10.4	10.5	10.5	10.3	2.4	2.5	3.4
10,000 to 19,999	6.5	8.1	12.3	6.6	8.2	13.1	1.5	1.6	2.4
20,000 to 29,999	7.5	10.2	18.3	7.5	10.3	18.8	1.0	1.3	1.6
30,000 to 49,999	9.4	10.3	15.9	9.5	10.1	16.0	1.6	1.7	2.4
50,000 to 74,999	15.9	7.8	6.5	16.1	7.6	6.6	2.0	1.0	2.3
75,000 or more	19.5	5.4	2.8	19.6	5.3	2.4	4.5	1.7	4.2
Not applicable ¹	11.3	23.5	86.7	47.2	N	N	45.7	N	N

See footnotes at end of table.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	20.8	26.3	8.3	33.4	24.4	37.2	27.9	15.1	115.7
50 miles or less	4.1	3.9	4.6	5.9	5.9	6.9	4.6	5.0	6.9
51 to 100 miles	9.9	7.7	6.8	12.1	8.3	6.7	8.5	6.3	9.0
101 to 200 miles	28.1	10.8	5.8	34.6	8.8	6.1	20.2	7.7	19.3
201 to 500 miles	27.3	8.5	5.8	33.8	7.5	2.9	20.3	5.7	8.8
501 miles or more	34.4	8.2	8.2	37.7	9.3	1.9	19.2	4.6	4.1
Not reported	5.9	23.5	228.0	7.2	N	N	4.7	N	N
Not applicable	11.3	N	N	47.2	N	N	45.7	N	N
PRIMARY JURISDICTION									
Operated in Canada	N	N	N	N	N	N	N	N	N
Operated in Mexico	N	N	N	N	N	N	N	N	N
Operated within the home base state	2.9	N	N	4.7	N	N	3.9	N	N
Operated in states other than the home base state	31.9	N	N	39.0	N	N	18.8	N	N
Not reported	6.5	N	N	7.8	N	N	4.8	N	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
MONTHS OPERATED									
12	3.2	N	N	4.3	N	N	3.1	N	N
7 to 11	9.5	N	N	11.0	N	N	7.4	N	N
2 to 6	9.5	N	N	19.4	N	N	16.9	N	N
1 or less	13.7	N	N	22.4	N	N	20.0	N	N
Vehicle not used	11.3	N	N	47.2	N	N	45.7	N	N
VEHICLE SIZE									
Light	10.0	10.8	5.9	13.7	12.2	10.0	9.4	12.2	20.9
Medium	5.4	8.1	14.5	8.0	11.8	19.6	6.0	9.0	10.1
Light-heavy	7.0	10.9	22.3	11.1	17.4	29.7	8.6	13.7	13.5
Heavy-heavy	4.3	3.2	3.8	5.7	2.7	2.2	4.8	3.3	2.9
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	S	28.6	S	S	23.4	S	S	23.5	S
6,001 to 8,500	14.8	N	N	22.3	N	N	17.0	N	N
8,501 to 10,000	14.6	N	N	18.1	N	N	10.6	N	N
10,001 to 14,000	8.0	11.4	19.7	10.7	16.2	20.6	7.5	12.0	10.6
14,001 to 16,000	12.5	16.9	31.7	17.6	18.6	47.8	12.5	11.9	21.3
16,001 to 19,500	13.9	21.1	42.6	19.5	29.7	72.2	13.7	23.2	32.5
19,501 to 26,000	7.0	10.9	22.3	11.1	17.4	29.7	8.6	13.7	13.5
26,001 to 33,000	13.2	13.1	16.0	18.7	17.1	23.7	13.0	12.7	19.8
33,001 to 40,000	14.9	13.8	17.0	21.1	13.5	13.9	16.0	12.9	13.6
40,001 to 50,000	13.5	9.8	15.4	18.3	12.0	10.8	15.1	9.5	9.6
50,001 to 60,000	7.4	8.7	12.5	9.9	9.2	9.0	6.8	7.6	6.2
60,001 to 80,000	7.4	3.2	3.0	10.1	4.0	2.1	7.2	3.0	4.0
80,001 to 100,000	S	44.7	S	S	S	S	S	S	S
100,001 to 130,000	N	S	S	N	S	S	N	S	S
130,001 or more	S	N	S	S	N	S	S	N	S
TOTAL LENGTH (FEET)									
Less than 20.0	5.0	9.5	11.3	7.4	9.0	16.4	5.6	9.0	14.3
20.0 to 27.9	5.2	6.1	8.6	8.1	9.9	12.4	6.3	8.3	9.5
28.0 to 35.9	9.1	9.9	12.3	12.6	14.6	16.1	9.1	11.3	13.2
36.0 to 40.9	13.5	20.3	47.5	16.7	26.4	69.7	10.1	19.6	25.3
41.0 to 44.9	26.4	25.8	30.4	32.0	24.0	15.2	21.1	23.4	14.6
45.0 to 49.9	26.7	19.7	19.5	30.4	22.8	22.7	26.7	19.7	33.8
50.0 to 54.9	22.7	15.3	19.5	28.1	18.4	25.9	14.5	12.9	21.0
55.0 to 59.9	14.3	7.4	9.0	15.4	8.7	5.8	12.4	4.8	7.9
60.0 to 64.9	20.1	6.7	5.3	27.4	7.3	2.8	19.2	4.7	7.9
65.0 to 69.9	20.9	6.9	3.6	24.8	8.0	2.9	13.3	4.2	9.6
70.0 to 74.9	44.1	14.9	7.3	S	18.0	S	S	10.3	S
75.0 to 79.9	S	N	N	S	N	N	S	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	12.2	10.3	12.4	14.4	10.5	9.3	13.3	9.8	11.1
5 to 6.9	8.1	4.8	4.3	9.7	4.2	2.3	7.9	4.5	4.4
7 to 8.9	10.6	8.0	6.7	14.0	9.5	6.1	10.0	7.9	9.2
9 to 10.9	9.8	16.7	13.1	14.8	13.9	17.8	10.9	15.7	24.7
11 to 12.9	13.1	13.3	15.2	18.0	18.0	19.1	12.5	13.5	16.9
13 to 14.9	18.2	25.2	47.7	26.5	30.3	70.0	19.0	20.6	31.7
15 or more	16.6	17.1	18.5	20.2	27.9	31.5	10.7	22.5	29.3
15 to 20.9	16.6	18.2	22.0	20.2	29.9	35.8	10.7	24.0	29.3
21 to 24.9	N	S	S	N	S	S	N	S	S
25 or more	N	N	N	N	N	N	N	N	N
Not reported	5.3	8.2	17.1	6.7	10.2	20.9	4.4	9.3	10.0
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N

See footnotes at end of table.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	22.3	N	N	23.9	N	N	11.7	N	N
2001	16.4	N	N	20.2	N	N	10.5	N	N
2000	12.3	N	N	13.1	N	N	6.8	N	N
1999	11.6	N	N	13.1	N	N	7.5	N	N
1998	15.4	S	S	19.3	S	S	10.8	S	S
1997	15.5	13.2	13.9	17.4	11.7	7.2	10.6	9.5	7.2
1996	15.4	13.0	14.3	18.0	11.8	7.1	11.3	10.0	7.0
1995	12.9	11.0	13.3	14.7	10.2	5.1	7.3	7.4	3.8
1994	14.6	13.7	15.4	15.8	11.7	6.2	11.3	9.8	6.1
1993	17.2	13.9	13.8	21.2	13.0	7.4	15.5	9.9	8.9
Pre-1993	3.9	4.5	3.8	7.4	4.4	2.8	6.5	5.1	4.2
VEHICLE ACQUISITION									
New	4.9	4.6	5.4	6.4	4.8	4.3	4.5	4.1	4.1
Used	4.5	5.8	5.1	7.5	5.2	4.3	6.5	6.4	6.2
Not reported	6.4	9.8	30.7	8.3	8.8	11.0	5.6	7.8	3.3
LEASE CHARACTERISTICS									
Leased	12.5	N	N	13.6	N	N	7.1	N	N
Lessee	16.1	N	N	17.9	N	N	10.3	N	N
Vehicle only	16.4	N	N	18.3	N	N	10.4	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Lessor	21.7	N	N	22.1	N	N	6.0	N	N
Vehicle only	24.5	N	N	24.9	N	N	4.0	N	N
Vehicle with driver	47.5	N	N	44.5	N	N	26.6	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not leased	44.3	N	N	S	N	N	S	N	N
Not reported	4.0	N	N	6.1	N	N	4.9	N	N
Not reported	4.1	N	N	6.3	N	N	5.1	N	N
Length of leasing agreement:									
Leased	12.5	N	N	13.6	N	N	7.1	N	N
1 to 11 months	S	N	N	S	N	N	S	N	N
12 months or more	12.9	N	N	14.1	N	N	7.3	N	N
Not reported	S	N	N	S	N	N	S	N	N
Provisions of lease:									
Financing only	16.0	N	N	18.0	N	N	10.5	N	N
Full maintenance	23.4	N	N	23.6	N	N	6.7	N	N
Payment of taxes	20.8	N	N	21.4	N	N	8.8	N	N
Obtaining licenses and permits	22.5	N	N	23.0	N	N	5.0	N	N
Recordkeeping	41.0	N	N	40.9	N	N	21.2	N	N
Fuel contract	40.5	N	N	43.6	N	N	14.6	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	2.6	N	N	4.4	N	N	3.7	N	N
Motor carrier	11.0	N	N	12.2	N	N	8.1	N	N
Owner operator	14.9	N	N	16.4	N	N	12.5	N	N
Rental	17.4	N	N	19.9	N	N	9.5	N	N
Personal transportation	N	N	N	N	N	N	N	N	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
For-hire characteristics:									
Type of carrier:									
Contract	17.9	N	N	18.0	N	N	9.7	N	N
Common	13.8	N	N	14.8	N	N	9.4	N	N
Not reported	16.2	N	N	19.5	N	N	16.4	N	N
Not applicable ³	2.1	N	N	4.2	N	N	3.7	N	N
Type of service:									
Truckload	14.4	5.9	7.1	14.6	6.4	3.2	9.1	4.0	4.4
Less-than truckload	15.3	14.8	29.8	18.4	14.8	12.5	11.1	10.8	5.9
Not reported	16.6	N	N	19.6	N	N	15.5	N	N
Not applicable ³	2.1	N	N	4.2	N	N	3.7	N	N
Source of hauls:									
Shippers or receivers	12.3	N	N	13.1	N	N	8.2	N	N
Brokers	S	N	N	S	N	N	S	N	N
Centralized markets or exchanges	S	N	N	S	N	N	S	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	13.5	N	N	15.9	N	N	12.3	N	N
Not applicable ³	2.1	N	N	4.2	N	N	3.7	N	N
HAZARDOUS MATERIALS CARRIED⁴									
Carrying hazardous materials	21.2	12.8	13.6	27.4	10.9	6.1	20.1	10.2	8.5
Not carrying hazardous materials	3.2	2.6	3.0	4.8	3.5	3.1	3.9	3.3	3.6
Not reported	6.6	7.8	11.5	8.7	8.8	9.7	5.9	7.8	6.8
Not applicable ⁵	9.2	N	N	19.3	N	N	17.1	N	N

See footnotes at end of table.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE									
Aerial work platform/bucket	21.4	N	N	27.1	N	N	15.9	N	N
Air bag(s) (safety device only)	11.2	10.4	18.0	12.4	8.7	6.6	6.6	7.9	3.8
Air compressor (except air brakes)	17.4	N	N	21.9	N	N	18.1	N	N
Air-conditioning	4.2	3.8	5.0	5.5	3.5	3.1	4.1	3.4	2.9
Air springs	16.3	N	N	20.7	N	N	12.8	N	N
Antilock brake system	7.2	8.6	15.0	8.3	8.0	8.8	5.0	6.9	4.9
Collision warning system	40.5	N	N	45.3	N	N	19.7	N	N
Computerized drive train control unit	25.0	N	N	26.0	N	N	17.1	N	N
Crane	29.4	N	N	40.2	N	N	27.2	N	N
Electronic vehicle identification device	S	17.0	S	S	19.9	S	S	10.4	S
Engine retarder/brake	9.0	6.6	6.2	10.9	6.5	3.3	7.7	5.2	4.4
Front-wheel drive	N	N	N	N	N	N	N	N	N
Hoist	14.6	N	N	21.0	N	N	17.6	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	26.1	N	N	29.5	N	N	16.4	N	N
Internet access	S	N	N	S	N	N	S	N	N
Lift gate	17.2	N	N	26.8	N	N	20.6	N	N
Mounting bar for snowplow	N	N	N	N	N	N	N	N	N
Navigational system	44.3	24.8	20.7	44.4	29.6	6.6	3.5	16.3	5.0
Power take-off	7.1	N	N	9.2	N	N	7.7	N	N
Radial tires	4.3	3.2	3.4	5.9	3.4	2.6	4.5	3.2	3.4
Reflective material in addition to those required by law	10.8	6.4	5.1	12.6	6.3	2.9	8.4	5.6	5.1
Road speed governor	7.7	5.2	5.0	8.9	4.6	2.9	6.3	4.5	4.2
Toolbox	6.7	N	N	9.2	N	N	6.7	N	N
Trip recorder or on-board computer with communication capabilities	19.7	N	N	23.1	N	N	13.3	N	N
Trip recorder or on-board computer without communication capabilities	33.9	N	N	38.5	N	N	25.6	N	N
Vehicle control aids for handicapped drivers	N	N	N	N	N	N	N	N	N
Wheelchair lift	N	N	N	N	N	N	N	N	N
Winch	16.1	N	N	22.4	N	N	18.2	N	N
Transmission type:									
Automatic	6.0	N	N	8.3	N	N	5.8	N	N
Manual	3.8	N	N	5.9	N	N	5.1	N	N
Semiautomated manual	N	N	N	N	N	N	N	N	N
Automated manual	S	N	N	S	N	N	S	N	N
Not reported	6.5	N	N	8.5	N	N	5.8	N	N
Braking system:									
Hydraulic (standard)	5.6	7.5	11.8	8.4	12.9	25.0	6.5	10.8	16.2
Hydraulic with power assist	7.9	7.4	7.9	12.5	11.4	12.2	9.7	8.9	13.0
Air	5.2	3.4	3.9	6.8	3.2	2.2	5.6	3.5	3.2
Other	N	37.3	N	N	44.8	N	N	25.4	N
Not reported	6.2	N	N	8.2	N	N	5.7	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	5.6	8.3	7.8	8.9	10.9	13.9	6.9	10.6	16.1
Diesel	3.3	3.0	3.9	4.4	2.9	2.7	3.3	2.8	2.5
Natural gas	N	N	N	N	N	N	N	N	N
Propane	44.5	N	N	S	N	N	S	N	N
Alcohol fuels	N	N	N	N	N	N	N	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	N	N	N	N	N	N	N	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	37.4	N	N	46.1	N	N	26.9	N	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
Cylinders ⁶ :									
4 cylinders	8.3	13.0	23.0	9.4	14.2	22.2	5.8	10.5	10.4
6 cylinders	4.4	3.5	4.9	5.7	2.9	2.8	4.2	3.2	2.7
8 cylinders	4.3	7.1	7.5	7.2	8.9	10.5	5.7	8.8	10.7
Other	8.8	9.0	9.7	17.7	16.9	14.2	15.7	15.9	16.9
Cubic inch displacement ⁶ :									
Gasoline fuel	5.6	8.3	7.8	8.9	10.9	13.9	6.9	10.6	16.1
Less than 200	S	49.7	S	S	S	S	S	S	S
200 to 299	35.1	26.5	20.8	37.8	29.7	19.0	14.2	12.7	15.9
300 to 349	28.5	38.8	74.5	43.5	S	S	32.8	S	S
350 to 399	9.0	16.0	14.5	11.7	16.5	22.7	7.9	16.7	26.1
400 or more	15.4	18.2	27.0	22.9	28.0	37.8	16.9	21.3	25.2
Not available	13.3	12.5	11.1	21.5	23.2	27.6	18.7	19.3	38.6
Diesel fuel	3.3	3.0	3.9	4.4	2.9	2.7	3.3	2.8	2.5
Less than 400	8.4	11.6	22.2	10.0	14.7	24.9	5.6	9.7	10.2
400 to 599	6.3	8.9	15.6	8.4	11.5	21.1	5.5	7.7	9.9
600 to 799	6.5	5.1	5.7	8.1	5.4	3.9	6.1	4.4	4.3
800 or more	11.5	4.1	3.0	15.6	5.5	1.8	11.5	3.7	5.5
Not available	12.6	9.0	6.9	19.4	11.3	4.2	17.2	10.3	8.4
Other fuel	44.5	S	S	S	S	S	S	S	S
Less than 400	S	S	S	S	S	S	S	S	S
400 or more	49.8	S	S	S	S	S	S	S	S
Not available	N	N	N	N	N	N	N	N	N
Not reported	37.4	N	N	46.1	N	N	26.9	N	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N

See footnotes at end of table.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
REFUELING LOCATION									
Gas station	4.1	N	N	6.5	N	N	5.1	N	N
Truck stop	12.0	N	N	14.9	N	N	10.0	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	7.2	N	N	8.7	N	N	6.3	N	N
Other company's/contractor's facility not open to the public	26.8	N	N	32.8	N	N	23.2	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	7.3	N	N	8.6	N	N	5.1	N	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	30.7	S	S	47.4	S	S	37.2	S	S
Company-owned maintenance facility	5.3	4.9	6.1	6.6	4.8	4.0	4.7	4.4	3.7
General repair business or private mechanic	6.2	7.0	9.9	8.5	7.7	10.0	6.1	6.8	7.5
Dealership service department	12.3	12.1	17.1	14.6	11.9	10.7	9.4	8.8	7.4
Leasing company	44.1	17.8	20.5	45.4	16.5	11.8	22.4	13.1	14.8
Individual not employed/paid by any maintenance type facility:									
Other	8.1	9.1	5.7	13.2	6.9	4.5	11.0	9.1	9.2
Not reported	N	S	S	N	S	S	N	S	S
Not applicable ¹	7.5	8.8	12.2	8.7	10.2	11.6	5.1	8.9	8.4
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
Extensive repairs performed by:									
None performed	3.4	25.1	564.0	5.3	30.8	1 015.4	4.3	26.3	38.8
Company-owned maintenance facility	16.2	7.7	3.5	19.7	7.9	3.3	14.7	6.6	12.5
General repair business or private mechanic	12.1	7.2	5.4	15.2	7.5	4.6	10.7	6.7	8.9
Dealership service department	20.5	8.4	3.8	22.0	8.0	2.9	14.2	7.0	11.6
Leasing company	S	16.7	S	S	18.2	S	S	4.5	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	19.3	29.4	11.9	22.9	15.3	13.3	18.6	26.3	45.9
Other	N	S	S	N	S	S	N	S	S
Not reported	N	4.6	N	N	5.8	N	N	5.3	N
Not applicable ¹	11.3	N	N	47.2	N	N	45.7	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer:									
2 axles	2.0	4.2	5.2	4.2	5.6	8.2	3.7	5.8	7.3
3 axles	2.3	4.9	5.9	4.9	6.7	9.8	4.3	6.8	8.7
4 axles	6.0	6.9	9.6	9.0	8.6	12.7	6.8	7.0	9.5
5 axles or more	33.0	S	S	44.3	S	S	29.8	S	S
Not reported	N	N	N	N	N	N	N	N	N
Not reported	23.1	N	N	36.3	N	N	24.0	N	N
Combinations:									
Single-unit trucks with trailer:	7.1	3.6	3.4	8.1	3.0	1.8	7.0	3.6	4.0
3 axles	15.1	15.2	18.0	20.6	17.1	23.5	15.0	13.2	20.9
4 axles	42.4	39.4	38.0	S	50.0	S	S	30.5	S
5 axles or more	20.4	20.6	23.6	30.2	26.4	31.9	22.2	17.6	27.7
Not reported	29.8	17.6	22.8	36.3	23.7	15.9	29.5	16.2	18.7
Truck-tractors with single trailer:	44.8	N	N	S	N	N	S	N	N
3 axles	6.9	2.8	2.4	8.8	3.2	1.7	7.2	2.9	4.3
4 axles	43.3	28.0	15.0	46.5	35.7	12.5	12.9	29.4	23.6
5 axles or more	27.1	11.2	11.4	36.2	12.8	7.9	27.6	8.0	15.2
Not reported	8.1	2.7	2.0	10.9	3.5	1.6	7.6	2.8	4.9
Not reported	17.4	N	N	20.2	N	N	14.7	N	N
Truck-tractors with double trailers:	N	35.5	N	N	39.9	N	N	18.9	N
5 axles	N	S	S	N	S	S	N	S	S
6 axles	N	S	S	N	S	S	N	S	S
7 axles	N	S	S	N	S	S	N	S	S
8 axles or more	N	S	S	N	S	S	N	S	S
Not reported	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers:	N	N	N	N	N	N	N	N	N
7 axles	N	N	N	N	N	N	N	N	N
8 axles	N	N	N	N	N	N	N	N	N
9 axles	N	N	N	N	N	N	N	N	N
10 axles or more	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Driving axles:									
1	2.1	4.1	4.6	4.7	5.5	6.6	4.2	5.7	6.5
2	4.7	3.1	3.5	6.4	3.4	2.4	5.0	3.2	3.1
3 or more	37.4	15.6	9.0	46.1	18.3	2.6	26.9	9.8	6.8
Not reported	21.0	N	N	32.5	N	N	21.9	N	N
Total liftable axles and locations:									
None	1.6	5.4	16.8	3.6	5.5	10.3	3.3	5.3	3.3
1	29.7	45.1	62.0	37.0	46.1	85.8	26.4	51.4	72.9
Forward of the drive axle	49.6	N	N	S	N	N	S	N	N
Below the chassis	S	N	N	S	N	N	S	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	47.5	N	N	S	N	N	S	N	N
2 or more	N	S	S	N	S	S	N	S	S
Forward of the drive axle	N	N	N	N	N	N	N	N	N
Below the chassis	N	N	N	N	N	N	N	N	N
Beyond the chassis	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	21.4	N	N	31.6	N	N	20.3	N	N

See footnotes at end of table.

Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicle and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles:									
None	1.6	5.4	16.8	3.6	5.5	10.3	3.3	5.3	3.3
1	29.7	45.1	62.0	37.0	46.1	85.8	26.4	51.4	72.9
0 braking	S	N	N	S	N	N	S	N	N
1 braking	44.4	N	N	S	N	N	S	N	N
Not reported	43.8	N	N	S	N	N	S	N	N
2 or more	N	S	S	N	S	S	N	S	S
0 braking	N	N	N	N	N	N	N	N	N
1 braking	N	N	N	N	N	N	N	N	N
2 or more braking	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	21.4	N	N	31.6	N	N	20.3	N	N
CAB TYPE									
Conventional cab	2.0	3.0	4.0	4.1	3.5	3.4	3.7	3.5	2.8
With sleeper	22.1	N	N	28.0	N	N	17.3	N	N
Without sleeper	2.1	N	N	4.3	N	N	3.8	N	N
Not reported	23.5	N	N	32.0	N	N	23.7	N	N
Cab over engine	6.3	8.2	12.5	9.7	9.1	12.3	6.8	7.1	7.5
With sleeper	25.5	N	N	36.7	N	N	26.5	N	N
Without sleeper	6.7	N	N	10.2	N	N	7.1	N	N
Not reported	34.9	N	N	S	N	N	S	N	N
Cab forward of engine	42.0	19.5	6.0	42.0	25.0	6.9	22.8	16.5	30.7
Cab beside engine	38.8	38.4	38.6	49.7	S	S	30.3	S	S
Not reported	32.6	N	N	S	N	N	S	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.
²Truck-tractors not in use.
³Vehicles that are private, rental, or used for personal transportation; and vehicles not in use.
⁴Distributed miles data are available in Table 8.
⁵Vehicles that are rental or used for personal transportation; and vehicles not in use.
⁶Data were derived from administrative records.

Table 4. Trucks by Vehicle Size: 2002

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
Total	2 733.2	2 579.8	68.6	34.6	50.2	X
Coefficient of variation (percent)	1.0	1.1	15.7	7.0	4.3	X
BUSINESS¹						
For-hire transportation or warehousing	12.3	S	4.7	3.0	4.0	12.0
Vehicle leasing or rental	23.5	S	1.9	2.6	.7	45.3
Agriculture, forestry, fishing, or hunting	42.1	25.5	4.7	4.6	7.3	28.3
Mining	S	S	V	S	S	S
Utilities	37.3	32.2	2.0	S	2.7	36.2
Construction	155.6	123.6	13.4	5.2	13.3	17.3
Manufacturing	5.4	S	1.6	.9	2.3	16.9
Wholesale trade	24.1	S	S	.9	1.5	44.2
Retail trade	40.1	32.2	2.1	2.8	3.0	33.8
Information services	1.2	S	S	S	V	42.1
Waste management, landscaping, or administrative/support services	33.4	S	S	1.2	4.6	35.9
Arts, entertainment, or recreation services	S	S	S	S	V	S
Accommodation or food services	3.2	1.9	.6	S	S	24.8
Other services	65.2	62.2	1.9	V	S	29.3
Personal transportation	2 030.3	2 028.7	1.7	V	V	2.7
Not reported	174.4	150.5	9.7	6.9	7.4	16.7
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
BODY TYPE						
Single-unit trucks	2 719.1	2 579.8	68.6	34.1	36.6	1.0
Pickup	1 349.3	1 336.6	S	V	V	1.6
Minivan	205.3	205.3	V	V	V	16.0
Other light vans	134.9	127.7	S	V	V	20.2
Sport utility	892.4	891.9	S	V	V	4.8
Armored	S	V	V	V	S	S
Beverage	1.2	V	V	1.0	S	42.4
Concrete mixer	2.5	V	V	V	2.5	16.2
Concrete pumper	S	V	V	V	S	S
Crane	S	V	V	S	S	S
Curtainside	S	V	S	V	S	S
Dump	23.2	.9	4.3	5.4	12.5	8.2
Flatbed, stake, or platform	34.1	6.5	12.3	9.8	5.6	6.8
Low boy	S	V	V	S	S	S
Pole, logging, pulpwood, or pipe .....	.8	V	V	V	.8	44.4
Service, utility	11.5	1.9	3.8	3.4	2.4	13.3
Service, other	7.9	1.0	4.8	S	1.9	15.8
Street sweeper	S	V	S	V	V	S
Tank, dry bulk	S	V	V	V	S	S
Tank, liquids or gases	4.4	V	S	1.2	2.7	21.2
Tow/Wrecker	3.7	S	2.4	S	.5	22.4
Trash, garbage, or recycling	3.5	V	V	.9	2.6	18.6
Vacuum	S	V	V	S	S	S
Van, basic enclosed	18.9	2.2	9.0	5.7	2.0	9.2
Van, insulated nonrefrigerated	S	V	S	V	V	S
Van, insulated refrigerated	1.4	V	.6	S	S	36.6
Van, open top	3.3	V	S	1.6	1.0	25.3
Van, step, walk-in, or multistop	15.0	4.8	7.7	2.4	V	11.6
Van, other	3.1	S	1.8	S	S	25.8
Other	V	V	V	V	V	N
Truck-tractors	14.1	V	V	S	13.7	6.4
Automobile carrier	S	V	V	V	S	S
Beverage .....	.8	V	V	V	.8	43.9
Curtainside	V	V	V	V	V	N
Dump	1.1	V	V	V	1.1	24.9
Flatbed, stake, or platform	1.4	V	V	V	1.4	27.0
Livestock	S	V	V	V	S	S
Low boy	2.1	V	V	V	2.1	17.8
Mobile home toter	S	V	V	V	S	S
Open top .....	.7	V	V	V	.7	31.2
Pole, logging, pulpwood, or pipe .....	.9	V	V	V	.9	28.1
Tank, dry bulk .....	.9	V	V	V	.9	27.8
Tank, liquids or gases	S	V	V	S	S	S
Van, basic enclosed	4.2	V	V	V	4.2	15.4
Van, drop-frame	V	V	V	V	V	N
Van, insulated nonrefrigerated	V	V	V	V	V	N
Van, insulated refrigerated .....	.3	V	V	V	.3	49.6
Other	V	V	V	V	V	N
Not applicable ³ .....	.9	V	V	S	.7	28.1
ANNUAL MILES						
Less than 5,000	400.7	371.5	10.1	7.9	11.2	10.8
5,000 to 9,999	516.6	502.5	5.9	3.3	4.9	9.6
10,000 to 19,999	1 337.0	1 300.3	17.9	8.9	9.8	4.7
20,000 to 29,999	234.6	203.4	16.2	6.6	8.4	14.6
30,000 to 49,999	146.5	124.8	S	3.1	6.9	18.6
50,000 to 74,999	17.5	S	.8	S	4.0	49.3
75,000 or more	2.6	V	V	S	2.1	19.5
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
PRIMARY RANGE OF OPERATION						
Off-the-road	S	S	1.2	.9	1.6	S
50 miles or less	1 520.2	1 455.2	26.3	14.1	24.6	4.2
51 to 100 miles	223.4	208.7	6.2	2.0	6.5	15.1
101 to 200 miles	39.2	31.3	S	.9	.5	37.8
201 to 500 miles	21.5	S	1.2	S	1.0	49.4
501 miles or more	31.3	30.0	S	S	S	42.0
Not reported	803.3	758.4	20.8	11.4	12.6	7.1
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1

See footnotes at end of table.

Table 4. Trucks by Vehicle Size: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
PRIMARY JURISDICTION						
Operated in Canada.....	V	V	V	V	V	N
Operated in Mexico.....	V	V	V	V	V	N
Operated within the home base state.....	1 879.5	1 780.4	43.2	20.1	35.8	3.2
Operated in states other than the home base state.....	32.3	30.3	S	.9	S	41.8
Not reported.....	743.6	704.3	18.7	9.5	11.1	7.5
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
MONTHS OPERATED						
12.....	1 821.5	1 723.4	47.0	19.9	31.2	3.4
7 to 11.....	379.6	362.6	6.7	4.1	6.3	11.5
2 to 6.....	339.1	321.4	7.0	4.6	6.2	12.2
1 or less.....	115.2	107.5	2.0	2.0	3.7	21.2
Vehicle not used.....	77.8	64.8	6.1	4.0	2.9	24.1
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	1 982.8	1 982.8	N	N	N	2.8
6,001 to 8,500.....	515.1	515.1	N	N	N	9.7
8,501 to 10,000.....	81.8	81.8	N	N	N	25.1
10,001 to 14,000.....	44.7	N	44.7	N	N	23.8
14,001 to 16,000.....	12.1	N	12.1	N	N	12.5
16,001 to 19,500.....	11.8	N	11.8	N	N	12.8
19,501 to 26,000.....	34.6	N	N	34.6	N	7.0
26,001 to 33,000.....	11.3	N	N	N	11.3	13.2
33,001 to 40,000.....	6.8	N	N	N	6.8	14.9
40,001 to 50,000.....	7.7	N	N	N	7.7	13.5
50,001 to 60,000.....	13.3	N	N	N	13.3	7.4
60,001 to 80,000.....	10.7	N	N	N	10.7	7.4
80,001 to 100,000.....	S	N	N	N	S	S
100,001 to 130,000.....	V	N	N	N	V	N
130,001 or more.....	S	N	N	N	S	S
TOTAL LENGTH (FEET)						
Less than 20.0.....	2 456.5	2 404.4	31.2	12.3	8.6	1.6
20.0 to 27.9.....	206.9	163.0	17.7	12.6	13.7	14.2
28.0 to 35.9.....	37.6	S	S	5.8	9.3	27.6
36.0 to 40.9.....	15.6	V	S	2.8	4.3	38.8
41.0 to 44.9.....	2.5	S	S	S	1.4	26.4
45.0 to 49.9.....	1.6	V	V	V	1.6	26.7
50.0 to 54.9.....	2.3	V	S	S	1.8	22.7
55.0 to 59.9.....	4.7	V	V	S	4.4	14.3
60.0 to 64.9.....	3.0	V	V	S	2.7	20.1
65.0 to 69.9.....	1.6	V	V	V	1.6	20.9
70.0 to 74.9.....	4	V	V	V	4	44.1
75.0 to 79.9.....	S	V	V	V	S	S
80.0 or more.....	S	V	V	V	S	S
MILES PER GALLON						
Less than 5.....	9.5	S	1.0	1.2	6.9	12.2
5 to 6.9.....	20.5	1.4	2.4	2.8	13.8	8.1
7 to 8.9.....	16.2	2.6	3.5	4.7	5.4	10.4
9 to 10.9.....	110.8	94.1	9.0	3.6	4.0	20.9
11 to 12.9.....	97.4	88.6	4.5	2.8	1.5	22.9
13 to 14.9.....	214.6	204.3	S	1.0	S	15.9
15 or more.....	1 404.4	1 393.7	S	S	1.2	4.5
15 to 20.9.....	1 094.6	1 083.8	S	S	1.2	5.7
21 to 24.9.....	164.3	164.3	V	V	V	18.6
25 or more.....	145.6	145.6	V	V	V	19.9
Not reported.....	782.0	729.9	24.3	13.8	14.1	7.2
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
MODEL YEAR						
2003.....	S	V	S	V	V	S
2002.....	174.9	171.4	1.2	.9	1.4	17.9
2001.....	268.8	262.6	2.4	1.8	2.0	14.1
2000.....	286.3	277.1	4.0	1.8	3.5	13.5
1999.....	234.1	211.2	S	2.3	4.4	15.0
1998.....	159.7	153.7	2.1	S	3.1	18.6
1997.....	219.1	212.6	3.0	1.1	2.4	15.7
1996.....	107.1	100.7	2.6	1.9	1.9	22.5
1995.....	193.8	179.3	S	2.7	3.1	16.7
1994.....	148.7	141.9	2.7	S	3.5	19.1
1993.....	109.1	103.4	2.3	1.0	2.5	22.5
Pre-1993.....	831.3	765.9	23.1	19.8	22.5	6.5
VEHICLE ACQUISITION						
New.....	946.2	897.8	20.3	10.2	17.9	6.4
Used.....	1 191.0	1 124.3	31.0	14.2	21.5	5.3
Not reported.....	596.1	557.6	17.3	10.2	10.9	8.7
LEASE CHARACTERISTICS						
Leased.....	96.9	87.1	3.5	2.3	4.0	23.3
Lessee.....	74.7	68.3	2.7	S	3.0	26.9
Vehicle only.....	6.4	S	2.4	S	2.9	16.4
Vehicle with driver.....	S	V	V	V	S	S
Not reported.....	S	V	V	V	S	S
Not applicable ⁴	68.1	67.9	S	V	V	29.5
Lessor.....	S	S	.8	1.5	1.0	S
Vehicle only.....	2.6	V	.6	1.5	.6	24.5
Vehicle with driver.....	.6	V	.4	V	.4	47.5
Not reported.....	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	S
Not reported.....	S	S	S	S	S	S
Not leased.....	1 225.8	1 158.6	30.0	13.7	23.5	5.2
Not reported.....	1 410.5	1 334.1	35.1	18.6	22.7	4.5

See footnotes at end of table.

Table 4. Trucks by Vehicle Size: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	96.9	87.1	3.5	2.3	4.0	23.3
1 to 11 months	S	V	S	V	S	S
12 months or more	9.6	.6	2.9	2.3	3.9	12.9
Not reported	S	V	S	V	S	S
Not applicable ⁴	86.8	86.5	S	V	V	26.0
Provisions of lease ⁵ :						
Financing only	6.5	.6	2.4	S	2.7	16.0
Full maintenance	2.8	S	.5	1.5	.7	23.4
Payment of taxes	3.9	S	.6	1.5	1.7	20.8
Obtaining licenses and permits	2.9	S	.5	1.5	.8	22.5
Recordkeeping	1.1	S	S	S	S	41.0
Fuel contract	.4	S	S	S	S	40.5
PRIMARY OPERATOR CLASSIFICATION						
Private	568.3	454.8	52.3	24.0	37.2	8.4
Motor carrier	14.2	S	4.6	3.2	5.7	11.0
Owner operator	18.4	S	2.1	S	3.2	48.0
Rental	24.2	S	1.9	2.8	1.2	43.9
Personal transportation	2 030.3	2 028.7	1.7	V	V	2.7
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
For-hire characteristics:						
Type of carrier:						
Contract	5.2	S	2.0	.9	2.0	17.9
Common	8.8	S	2.7	1.9	3.9	13.8
Not reported	6.1	S	2.1	.9	3.0	16.2
Not applicable ⁶	2 713.1	2 579.1	61.9	30.8	41.3	1.0
Type of service:						
Truckload	6.0	S	1.7	S	3.8	14.4
Less-than truckload	8.4	S	3.4	2.6	2.1	15.3
Not reported	5.6	S	1.6	.9	3.0	16.6
Not applicable ⁶	2 713.1	2 579.1	61.9	30.8	41.3	1.0
Source of hauls:						
Shippers or receivers	11.2	S	4.1	2.5	4.3	12.3
Brokers	S	V	V	V	S	S
Centralized markets or exchanges	S	V	V	V	S	S
Other	S	V	V	V	V	N
Not reported	8.3	S	2.6	1.2	4.1	13.5
Not applicable ⁶	2 713.1	2 579.1	61.9	30.8	41.3	1.0
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	4.2	S	S	S	3.0	21.2
Not carrying hazardous materials	92.4	13.0	25.9	19.4	34.1	3.2
Not reported	34.7	4.0	14.1	7.7	9.0	6.6
Not applicable ⁸	2 601.9	2 562.8	28.3	6.8	4.1	1.0
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	4.8	S	1.9	S	1.6	21.4
Air bag(s) (safety device only)	1 306.4	1 287.6	S	3.4	2.8	4.7
Air compressor (except air brakes)	5.2	V	1.2	S	3.4	17.4
Air-conditioning	1 863.8	1 798.0	28.1	11.6	26.1	3.2
Air springs	2.5	S	V	V	2.4	16.3
Antilock brake system	1 319.9	1 282.5	21.1	5.4	10.9	4.8
Collision warning system	1.3	S	S	S	S	40.5
Computerized drive train control unit	239.5	237.0	S	S	1.3	15.2
Crane	2.2	S	S	S	1.0	29.4
Electronic vehicle identification device	S	V	V	V	S	S
Engine retarder/brake	9.2	.3	1.8	S	6.7	9.0
Front-wheel drive	679.3	672.9	S	V	V	8.1
Hoist	7.6	S	2.0	1.3	3.8	14.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	2.6	V	1.5	S	.8	26.1
Internet access	S	V	S	V	V	S
Lift gate	6.0	1.2	3.0	.9	.9	17.2
Mounting bar for snowplow	S	S	V	V	V	S
Navigational system	.3	V	V	V	.3	44.3
Power take-off	29.1	1.2	5.0	6.0	16.8	7.1
Radial tires	1 383.2	1 320.3	28.4	10.3	24.2	4.6
Reflective material in addition to those required by law	14.6	2.9	3.7	2.0	6.1	10.8
Road speed governor	24.4	1.4	5.8	6.2	11.0	7.7
Toolbox	275.5	239.1	18.9	4.8	12.7	12.6
Trip recorder or on-board computer with communication capabilities	78.3	73.3	1.7	2.4	.9	26.7
Trip recorder or on-board computer without communication capabilities	421.9	415.1	S	V	.5	11.0
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	13.6	S	2.4	1.2	2.6	46.6
Transmission type:						
Automatic	1 771.4	1 731.9	25.7	6.4	7.5	3.4
Manual	414.6	338.9	26.0	17.7	32.0	10.0
Semiautomated manual	V	V	V	V	V	N
Automated manual	S	V	V	V	S	S
Not reported	547.1	509.0	16.9	10.5	10.7	9.1
Braking system:						
Hydraulic (standard)	47.1	9.8	19.9	13.0	4.5	5.6
Hydraulic with power assist	28.4	4.1	13.6	5.2	5.4	7.9
Air	38.3	S	2.8	5.3	29.4	5.2
Other	V	V	V	V	V	N
Not reported	37.5	3.5	12.0	11.2	10.9	6.2
Not applicable ¹⁰	2 582.0	2 561.7	S	V	V	1.0

See footnotes at end of table.

Table 4. Trucks by Vehicle Size: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	2 471.9	2 431.1	22.2	12.6	6.0	1.5
Diesel	161.8	63.7	40.3	17.5	40.2	12.8
Natural gas	V	V	V	V	V	N
Propane	1.2	V	V	S	S	44.5
Alcohol fuels	V	V	V	V	V	N
Electricity	V	V	V	V	V	N
Combination	V	V	V	V	V	N
Other	V	V	V	V	V	N
Not reported	S	S	S	V	.4	S
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
Cylinders ¹¹ :						
4 cylinders	388.4	380.6	6.2	.9	.7	11.2
6 cylinders	1 150.1	1 093.3	10.8	12.6	33.5	5.2
8 cylinders	1 133.6	1 062.0	47.3	16.4	7.8	5.4
Other	61.1	43.8	4.3	4.7	8.2	20.3
Cubic inch displacement ¹¹ :						
Gasoline fuel	2 471.9	2 431.1	22.2	12.6	6.0	1.5
Less than 200	612.3	612.1	V	S	V	8.7
200 to 299	945.1	943.2	S	.9	S	6.2
300 to 349	450.4	448.3	S	1.7	V	10.6
350 to 399	369.5	350.6	11.9	5.0	2.0	11.2
400 or more	46.2	38.2	4.5	2.6	.9	31.6
Not available	48.2	38.7	3.4	3.3	2.8	25.0
Diesel fuel	161.8	63.7	40.3	17.5	40.2	12.8
Less than 400	51.1	35.5	9.8	3.1	2.7	26.3
400 to 599	76.9	21.5	29.8	13.0	12.6	19.2
600 to 799	16.1	V	S	S	15.1	6.5
800 or more	5.2	V	S	S	4.9	11.5
Not available	S	S	S	S	4.9	S
Other fuel	1.2	V	V	S	S	44.5
Less than 400	S	V	V	S	V	S
400 or more	.9	V	V	S	V	49.8
Not available	V	V	V	V	V	N
Not reported	S	S	S	V	.4	S
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
REFUELING LOCATION						
Gas station	2 080.4	2 010.6	39.8	12.8	17.1	2.7
Truck stop	27.4	S	S	2.3	5.5	37.5
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	59.7	33.0	6.1	6.7	13.9	23.2
Other company's/contractor's facility not open to the public	2.3	S	S	1.0	1.0	26.8
Other	V	V	V	V	V	N
Not reported	485.6	458.7	9.2	7.8	9.9	9.8
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
MAINTENANCE⁵						
General maintenance performed by:						
None performed	39.5	38.0	S	S	.4	36.8
Company-owned maintenance facility	170.5	122.7	18.0	9.4	20.4	15.7
General repair business or private mechanic	925.2	879.7	27.6	6.9	10.9	6.5
Dealership service department	596.8	587.4	5.4	S	3.3	8.6
Leasing company	1.1	V	S	S	S	44.1
Individual not employed/paid by any maintenance type facility	797.7	775.8	8.0	6.0	8.0	7.1
Other	V	V	V	V	V	N
Not reported	491.0	464.8	9.2	7.8	9.2	9.8
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
Extensive repairs performed by:						
None performed	1 845.2	1 759.1	39.2	17.7	29.2	3.3
Company-owned maintenance facility	30.4	25.3	1.2	.9	2.9	40.4
General repair business or private mechanic	127.8	111.1	S	2.6	3.9	20.3
Dealership service department	70.9	67.6	1.4	S	1.3	28.3
Leasing company	S	V	V	V	S	S
Component distributorship (engine, transmission, body, etc.)	S	V	V	S	S	S
Individual not employed/paid by any repair type facility	96.8	92.7	1.6	S	1.7	23.5
Other	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not applicable ²	77.8	64.8	6.1	4.0	2.9	24.1
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	2 681.4	2 561.2	53.9	33.2	33.1	1.1
2 axles	2 661.2	2 558.6	53.3	32.7	18.6	1.1
3 axles	15.6	S	S	.3	15.0	6.0
4 axles	.6	V	V	V	.6	33.0
5 axles or more	V	V	V	V	V	N
Not reported	4.0	2.5	S	S	.9	14.7
Combinations	51.9	S	S	1.4	17.1	25.5
Single-unit trucks with trailer	38.6	S	S	1.2	4.1	34.2
3 axles	S	S	S	S	S	S
4 axles	23.2	S	S	S	2.0	44.3
5 axles or more	1.2	V	V	V	1.2	29.8
Not reported	1.1	S	S	S	.3	39.2
Truck-tractors with single trailer	13.2	V	V	S	13.0	6.9
3 axles	.7	V	V	V	.7	43.3
4 axles	2.3	V	V	S	2.1	27.1
5 axles or more	7.6	V	V	V	7.6	8.1
Not reported	2.6	V	V	V	2.6	17.4
Truck-tractors with double trailers	V	V	V	V	V	N
5 axles	V	V	V	V	V	N
6 axles	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

Table 4. Trucks by Vehicle Size: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Driving axles:						
1	2 018.2	1 902.1	60.2	33.0	23.0	2.9
2	709.3	674.2	S	1.5	25.6	7.8
3 or more .....	.5	V	V	V	.5	37.4
Not reported	5.1	3.5	S	S	1.1	12.4
Total liftable axles and locations ¹² :						
None	148.1	17.8	47.9	34.4	47.9	1.6
1	1.2	V	V	V	1.2	29.7
Forward of the drive axle .....	.3	V	V	V	.3	49.6
Below the chassis	S	V	V	V	S	S
Beyond the chassis	S	V	V	V	S	S
Not reported .....	.6	V	V	V	.6	47.5
2 or more	V	V	V	V	V	N
Forward of the drive axle	V	V	V	V	V	N
Below the chassis	V	V	V	V	V	N
Beyond the chassis	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not reported	1.9	.3	S	S	1.1	21.4
Not applicable ¹⁰	2 582.0	2 561.7	S	V	V	1.0
Total liftable axles and number of braking axles:						
None	148.1	17.8	47.9	34.4	47.9	1.6
1	1.2	V	V	V	1.2	29.7
0 braking	S	V	V	V	S	S
1 braking .....	.4	V	V	V	.4	44.4
Not reported .....	.7	V	V	V	.7	43.8
2 or more	V	V	V	V	V	N
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not reported	1.9	.3	S	S	1.1	21.4
Not applicable ¹⁰	2 582.0	2 561.7	S	V	V	1.0
CAB TYPE						
Conventional cab	127.8	14.5	37.3	32.2	43.7	2.0
With sleeper	1.4	V	V	V	1.4	22.1
Without sleeper	124.2	14.5	37.3	32.0	40.3	2.1
Not reported	2.2	V	V	S	2.0	23.5
Cab over engine	20.2	2.3	10.5	2.0	5.3	6.3
With sleeper	1.1	V	V	V	1.1	25.5
Without sleeper	18.5	2.3	10.5	2.0	3.7	6.7
Not reported .....	.6	V	V	S	.5	34.9
Cab forward of engine .....	.9	S	S	V	S	42.0
Cab beside engine	1.4	S	S	S	S	38.8
Not reported	1.0	S	V	S	.6	32.6
Not applicable ¹⁰	2 582.0	2 561.7	S	V	V	1.0

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Vehicles not in use.

³Truck-tractors not in use.

⁴Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

⁵Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁷Distributed miles data are available in Table 8.

⁸Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

⁹Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

¹⁰Pickups, minivans, other light vans, and sport utilities.

¹¹Data were derived from administrative records.

¹²Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives 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/svsd/www/02vehinv.html.

Table 5. Trucks by Truck Type: 2002

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
Total	2 733.2	2 681.4	51.9	38.6	13.2	V	V	X
Coefficient of variation (percent)	1.0	1.1	25.5	34.2	6.9	N	N	X
BUSINESS¹								
For-hire transportation or warehousing	12.3	9.0	3.3	S	3.0	V	V	12.0
Vehicle leasing or rental	23.5	22.9	.6	V	.6	V	V	45.3
Agriculture, forestry, fishing, or hunting	42.1	36.9	5.2	2.2	3.0	V	V	28.3
Mining	S	S	S	V	S	V	V	S
Utilities	37.3	36.1	1.2	1.1	S	V	V	36.2
Construction	155.6	145.0	S	S	2.2	V	V	17.3
Manufacturing	5.4	4.9	S	V	5	V	V	16.9
Wholesale trade	24.1	S	S	S	1.0	V	V	44.2
Retail trade	40.1	39.8	.3	S	S	V	V	33.8
Information services	1.2	1.2	V	V	V	V	V	42.1
Waste management, landscaping, or administrative/support services	33.4	26.4	S	S	.3	V	V	35.9
Arts, entertainment, or recreation services	S	S	S	S	V	V	V	S
Accommodation or food services	3.2	3.1	S	V	S	V	V	24.8
Other services	65.2	59.1	S	S	S	V	V	29.3
Personal transportation	2 030.3	2 024.4	S	S	S	V	V	2.7
Not reported	174.4	171.0	3.4	1.4	2.0	V	V	16.7
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
BODY TYPE								
Single-unit trucks	2 719.1	2 680.5	38.6	38.6	N	N	N	1.0
Pickup	1 349.3	1 319.3	30.1	30.1	N	N	N	1.6
Minivan	205.3	205.3	V	V	N	N	N	16.0
Other light vans	134.9	134.9	V	V	N	N	N	20.2
Sport utility	892.4	892.4	V	V	N	N	N	4.8
Armored	S	S	V	V	N	N	N	S
Beverage	1.2	1.2	V	V	N	N	N	42.4
Concrete mixer	2.5	2.5	V	V	N	N	N	16.2
Concrete pumper	S	S	V	V	N	N	N	S
Crane	S	S	V	V	N	N	N	S
Curtainside	S	S	V	V	N	N	N	S
Dump	23.2	21.6	1.6	1.6	N	N	N	8.2
Flatbed, stake, or platform	34.1	30.3	3.8	3.8	N	N	N	6.8
Low boy	S	S	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe .....	.8	S	S	S	N	N	N	44.4
Service, utility	11.5	10.4	1.1	1.1	N	N	N	13.3
Service, other	7.9	7.6	S	S	N	N	N	15.8
Street sweeper	S	S	V	V	N	N	N	S
Tank, dry bulk	S	S	V	V	N	N	N	S
Tank, liquids or gases	4.4	4.3	S	S	N	N	N	21.2
Tow/Wrecker	3.7	3.7	V	V	N	N	N	22.4
Trash, garbage, or recycling	3.5	3.5	V	V	N	N	N	18.6
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	18.9	18.2	S	S	N	N	N	9.2
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated	1.4	1.1	S	S	N	N	N	36.6
Van, open top	3.3	3.3	V	V	N	N	N	25.3
Van, step, walk-in, or multistop	15.0	14.7	S	S	N	N	N	11.6
Van, other	3.1	3.1	V	V	N	N	N	25.8
Other	V	V	V	V	N	N	N	N
Truck-tractors	14.1	.9	13.2	N	13.2	V	V	6.4
Automobile carrier	S	N	S	N	S	V	V	S
Beverage .....	.8	N	.8	N	.8	V	V	43.9
Curtainside	N	N	V	N	V	V	V	N
Dump	1.1	N	1.1	N	1.1	V	V	24.9
Flatbed, stake, or platform	1.4	N	1.4	N	1.4	V	V	27.0
Livestock	S	N	S	N	S	V	V	S
Low boy	2.1	N	2.1	N	2.1	V	V	17.8
Mobile home toter	S	N	S	N	S	V	V	S
Open top .....	.7	N	.7	N	.7	V	V	31.2
Pole, logging, pulpwood, or pipe .....	.9	N	.9	N	.9	V	V	28.1
Tank, dry bulk .....	.9	N	.9	N	.9	V	V	27.8
Tank, liquids or gases	S	N	S	N	S	V	V	S
Van, basic enclosed	4.2	N	4.2	N	4.2	V	V	15.4
Van, drop-frame	V	N	V	N	V	V	V	N
Van, insulated nonrefrigerated	V	N	V	N	V	V	V	N
Van, insulated refrigerated .....	.3	N	.3	N	.3	V	V	49.6
Other	V	N	V	N	V	V	V	N
Not applicable ³ .....	.9	.9	V	N	V	V	V	28.1
ANNUAL MILES								
Less than 5,000	400.7	383.1	17.6	S	2.3	V	V	10.8
5,000 to 9,999	516.6	509.0	S	S	1.0	V	V	9.6
10,000 to 19,999	1 337.0	1 327.3	S	S	1.8	V	V	4.7
20,000 to 29,999	234.6	231.9	2.8	1.2	1.6	V	V	14.6
30,000 to 49,999	146.5	136.5	S	S	2.7	V	V	18.6
50,000 to 74,999	17.5	S	2.5	S	2.1	V	V	49.3
75,000 or more	2.6	.8	1.7	V	1.7	V	V	19.5
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1

See footnotes at end of table.

Table 5. Trucks by Truck Type: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
PRIMARY RANGE OF OPERATION								
Off-the-road	S	S	S	V	S	V	V	S
50 miles or less	1 520.2	1 504.4	15.8	S	5.7	V	V	4.2
51 to 100 miles	223.4	219.9	3.5	1.0	2.5	V	V	15.1
101 to 200 miles	39.2	32.6	S	S	.5	V	V	37.8
201 to 500 miles	21.5	S	.9	S	S	V	V	49.4
501 miles or more	31.3	24.5	S	S	S	V	V	42.0
Not reported	803.3	785.2	18.1	S	4.0	V	V	7.1
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
PRIMARY JURISDICTION								
Operated in Canada	V	V	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	V	V	N
Operated within the home base state	1 879.5	1 845.3	34.2	24.4	9.8	V	V	3.2
Operated in states other than the home base state	32.3	31.7	S	S	S	V	V	41.8
Not reported	743.6	726.5	17.1	S	3.4	V	V	7.5
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
MONTHS OPERATED								
12	1 821.5	1 789.4	32.0	23.4	8.6	V	V	3.4
7 to 11	379.6	370.3	S	S	2.1	V	V	11.5
2 to 6	339.1	330.3	S	S	1.4	V	V	12.2
1 or less	115.2	113.5	1.7	S	1.1	V	V	21.2
Vehicle not used	77.8	77.8	V	V	V	V	V	24.1
VEHICLE SIZE								
Light	2 579.8	2 561.2	S	S	V	V	V	1.1
Medium	68.6	53.9	S	S	V	V	V	15.7
Light-heavy	34.6	33.2	1.4	1.2	S	V	V	7.0
Heavy-heavy	50.2	33.1	17.1	4.1	13.0	V	V	4.3
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	1 982.8	1 982.8	V	V	V	V	V	2.8
6,001 to 8,500	515.1	502.7	S	S	V	V	V	9.7
8,501 to 10,000	81.8	75.6	S	S	V	V	V	25.1
10,001 to 14,000	44.7	32.7	S	S	V	V	V	23.8
14,001 to 16,000	12.1	11.1	1.0	1.0	V	V	V	12.5
16,001 to 19,500	11.8	10.1	1.7	1.7	V	V	V	12.8
19,501 to 26,000	34.6	33.2	1.4	1.2	S	V	V	7.0
26,001 to 33,000	11.3	9.9	1.4	1.0	S	V	V	13.2
33,001 to 40,000	6.8	5.0	1.8	S	1.2	V	V	14.9
40,001 to 50,000	7.7	5.4	2.4	.9	1.4	V	V	13.5
50,001 to 60,000	13.3	10.1	3.2	1.2	2.0	V	V	7.4
60,001 to 80,000	10.7	2.6	8.1	.4	7.7	V	V	7.4
80,001 to 100,000	S	S	S	V	S	V	V	S
100,001 to 130,000	V	V	V	V	V	V	V	N
130,001 or more	S	V	S	V	S	V	V	S
TOTAL LENGTH (FEET)								
Less than 20.0	2 456.5	2 456.5	V	V	V	V	V	1.6
20.0 to 27.9	206.9	194.3	S	S	V	V	V	14.2
28.0 to 35.9	37.6	22.6	S	S	V	V	V	27.6
36.0 to 40.9	15.6	6.6	S	S	1.0	V	V	38.8
41.0 to 44.9	2.5	1.0	1.5	.8	.7	V	V	26.4
45.0 to 49.9	1.6	V	1.6	.9	.7	V	V	26.7
50.0 to 54.9	2.3	S	2.1	1.0	1.1	V	V	22.7
55.0 to 59.9	4.7	V	4.7	S	4.6	V	V	14.3
60.0 to 64.9	3.0	V	3.0	S	2.7	V	V	20.1
65.0 to 69.9	1.6	V	1.6	V	1.6	V	V	20.9
70.0 to 74.9 .....	.4	V	4	V	4	V	V	44.1
75.0 to 79.9	S	V	S	V	S	V	V	S
80.0 or more	S	V	S	V	S	V	V	S
MILES PER GALLON								
Less than 5	9.5	6.7	2.8	S	2.0	V	V	12.2
5 to 6.9	20.5	13.1	7.3	1.2	6.1	V	V	8.1
7 to 8.9	16.2	14.2	2.1	1.2	.9	V	V	10.4
9 to 10.9	110.8	96.7	S	S	.3	V	V	20.9
11 to 12.9	97.4	96.1	1.2	1.2	V	V	V	22.9
13 to 14.9	214.6	202.5	S	S	V	V	V	15.9
15 or more	1 404.4	1 404.2	S	S	V	V	V	4.5
15 to 20.9	1 094.6	1 094.3	S	S	V	V	V	5.7
21 to 24.9	164.3	164.3	V	V	V	V	V	18.6
25 or more	145.6	145.6	V	V	V	V	V	19.9
Not reported	782.0	770.0	12.0	S	3.9	V	V	7.2
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1

See footnotes at end of table.

Table 5. Trucks by Truck Type: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
MODEL YEAR								
2003	S	S	V	V	V	V	V	S
2002	174.9	174.6	S	V	S	V	V	17.9
2001	268.8	267.7	1.1	S	S	V	V	14.1
2000	286.3	284.7	1.7	1.0	.7	V	V	13.5
1999	234.1	220.2	S	S	1.3	V	V	15.0
1998	159.7	158.4	1.4	S	.6	V	V	18.6
1997	219.1	218.0	1.1	S	.4	V	V	15.7
1996	107.1	106.5	.7	S	.6	V	V	22.5
1995	193.8	192.7	1.2	S	.6	V	V	16.7
1994	148.7	147.5	1.3	S	1.2	V	V	19.1
1993	109.1	108.1	1.0	S	1.0	V	V	22.5
Pre-1993	831.3	802.9	28.4	22.3	6.1	V	V	6.5
VEHICLE ACQUISITION								
New	946.2	932.6	13.6	S	5.1	V	V	6.4
Used	1 191.0	1 162.6	28.4	22.6	5.7	V	V	5.3
Not reported	596.1	586.2	S	S	2.4	V	V	8.7
LEASE CHARACTERISTICS								
Leased	96.9	94.0	2.9	1.4	1.5	V	V	23.3
Lessee	74.7	72.6	2.1	1.3	.7	V	V	26.9
Vehicle only	6.4	4.5	2.0	1.3	.7	V	V	16.4
Vehicle with driver	S	V	S	V	S	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable ⁴	68.1	68.1	V	V	V	V	V	29.5
Lessor	S	S	.8	S	.7	V	V	S
Vehicle only	2.6	2.1	.5	S	.4	V	V	24.5
Vehicle with driver	6	S	.3	V	.3	V	V	47.5
Not reported	V	V	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not leased	1 225.8	1 198.7	27.2	20.9	6.3	V	V	5.2
Not reported	1 410.5	1 388.6	21.8	S	5.4	V	V	4.5
Length of leasing agreement:								
Leased	96.9	94.0	2.9	1.4	1.5	V	V	23.3
1 to 11 months	S	S	S	V	S	V	V	S
12 months or more	9.6	6.8	2.8	1.4	1.4	V	V	12.9
Not reported	S	S	V	V	V	V	V	S
Not applicable ⁴	86.8	86.8	V	V	V	V	V	26.0
Provisions of lease ⁵ :								
Financing only	6.5	4.7	1.8	1.2	.7	V	V	16.0
Full maintenance	2.8	2.1	.7	V	.7	V	V	23.4
Payment of taxes	3.9	2.8	1.1	S	.8	V	V	20.8
Obtaining licenses and permits	2.9	2.2	.7	V	.7	V	V	22.5
Recordkeeping	1.1	.9	S	V	S	V	V	41.0
Fuel contract	.4	S	S	V	S	V	V	40.5
PRIMARY OPERATOR CLASSIFICATION								
Private	568.3	528.5	39.9	32.2	7.6	V	V	8.4
Motor carrier	14.2	11.4	2.7	V	2.7	V	V	11.0
Owner operator	18.4	S	2.4	S	2.0	V	V	48.0
Rental	24.2	23.3	.9	V	.9	V	V	43.9
Personal transportation	2 030.3	2 024.4	S	V	V	V	V	2.7
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
For-hire characteristics:								
Type of carrier:								
Contract	5.2	3.7	1.5	S	1.3	V	V	17.9
Common	8.8	6.9	2.0	S	1.8	V	V	13.8
Not reported	6.1	4.4	1.7	S	1.6	V	V	16.2
Not applicable ⁶	2 713.1	2 666.4	46.7	38.2	8.5	V	V	1.0
Type of service:								
Truckload	6.0	4.1	1.9	S	1.8	V	V	14.4
Less-than truckload	8.4	6.8	1.7	S	1.4	V	V	15.3
Not reported	5.6	4.1	1.6	S	1.5	V	V	16.6
Not applicable ⁶	2 713.1	2 666.4	46.7	38.2	8.5	V	V	1.0
Source of hauls:								
Shippers or receivers	11.2	8.2	3.0	S	2.8	V	V	12.3
Brokers	S	S	S	V	S	V	V	S
Centralized markets or exchanges	S	S	V	V	V	V	V	S
Other	V	V	V	V	V	V	V	N
Not reported	8.3	6.3	2.0	S	1.8	V	V	13.5
Not applicable ⁶	2 713.1	2 666.4	46.7	38.2	8.5	V	V	1.0
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	4.2	2.8	1.4	S	1.1	V	V	21.2
Not carrying hazardous materials	92.4	76.4	16.0	6.5	9.5	V	V	3.2
Not reported	34.7	31.2	3.5	1.8	1.7	V	V	6.6
Not applicable ⁸	2 601.9	2 571.0	31.0	30.1	.9	V	V	1.0
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	4.8	4.5	S	S	V	V	V	21.4
Air bag(s) (safety device only)	1 306.4	1 304.0	2.3	1.2	1.2	V	V	4.7
Air compressor (except air brakes)	5.2	3.9	1.3	S	1.0	V	V	17.4
Air-conditioning	1 863.8	1 840.0	23.7	S	8.0	V	V	3.2
Air springs	2.5	.8	1.7	S	1.6	V	V	16.3

See footnotes at end of table.

Table 5. Trucks by Truck Type: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	1 319.9	1 302.0	17.9	S	3.6	V	V	4.8
Collision warning system	1.3	1.3	V	V	V	V	V	40.5
Computerized drive train control unit	239.5	238.9	.7	S	.4	V	V	15.2
Crane	2.2	2.1	S	S	V	V	V	29.4
Electronic vehicle identification device	S	S	V	V	V	V	V	S
Engine retarder/brake	9.2	5.6	3.6	S	3.0	V	V	9.0
Front-wheel drive	679.3	667.5	S	S	V	V	V	8.1
Hoist	7.6	6.9	S	S	V	V	V	14.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	2.6	2.0	.6	S	S	V	V	26.1
Internet access	S	S	V	V	V	V	V	S
Lift gate	6.0	6.0	S	S	V	V	V	17.2
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	.3	.3	V	V	V	V	V	44.3
Power take-off	29.1	24.9	4.2	1.6	2.5	V	V	7.1
Radial tires	1 383.2	1 348.0	35.2	27.5	7.7	V	V	4.6
Reflective material in addition to those required by law	14.6	12.7	1.9	S	1.3	V	V	10.8
Road speed governor	24.4	19.2	5.2	1.2	4.0	V	V	7.7
Toolbox	275.5	264.2	S	S	1.5	V	V	12.6
Trip recorder or on-board computer with communication capabilities	78.3	78.0	S	S	S	V	V	26.7
Trip recorder or on-board computer without communication capabilities	421.9	410.0	S	S	S	V	V	11.0
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	13.6	13.3	S	S	V	V	V	46.6
Transmission type:								
Automatic	1 771.4	1 756.5	S	S	V	V	V	3.4
Manual	414.6	388.0	26.6	S	10.7	V	V	10.0
Semiautomated manual	V	V	V	V	V	V	V	N
Automated manual	S	S	V	V	V	V	V	S
Not reported	547.1	536.8	S	S	2.5	V	V	9.1
Braking system:								
Hydraulic (standard)	47.1	44.2	2.9	2.6	.3	V	V	5.6
Hydraulic with power assist	28.4	26.2	2.2	2.2	V	V	V	7.9
Air	38.3	25.6	12.7	2.3	10.4	V	V	5.2
Other	V	V	V	V	V	V	V	N
Not reported	37.5	33.4	4.1	1.5	2.5	V	V	6.2
Not applicable ¹⁰	2 582.0	2 551.9	30.1	30.1	V	V	V	1.0
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	2 471.9	2 450.3	21.6	21.3	S	V	V	1.5
Diesel	161.8	131.6	30.2	17.4	12.9	V	V	12.8
Natural gas	V	V	V	V	V	V	V	N
Propane	1.2	1.2	V	V	V	V	V	44.5
Alcohol fuels	V	V	V	V	V	V	V	N
Electricity	V	V	V	V	V	V	V	N
Combination	V	V	V	V	V	V	V	N
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
Cylinders¹¹:								
4 cylinders	388.4	388.2	S	S	S	V	V	11.2
6 cylinders	1 150.1	1 135.6	14.5	3.4	11.1	V	V	5.2
8 cylinders	1 133.6	1 099.3	34.3	34.2	S	V	V	5.4
Other	61.1	58.3	2.8	.8	2.0	V	V	20.3
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	2 471.9	2 450.3	21.6	21.3	S	V	V	1.5
200 to 299	612.3	612.3	V	V	V	V	V	8.7
300 to 349	945.1	945.1	V	V	V	V	V	6.2
350 to 399	450.4	450.4	V	V	V	V	V	10.6
400 or more	369.5	362.2	S	S	V	V	V	11.2
Not available	46.2	32.7	S	S	S	V	V	31.6
Diesel fuel								
Less than 400	161.8	131.6	30.2	17.4	12.9	V	V	12.8
400 to 599	51.1	50.0	1.2	1.1	S	V	V	26.3
600 to 799	76.9	60.3	S	S	1.5	V	V	19.2
800 or more	16.1	10.2	5.9	.7	5.2	V	V	6.5
Not available	5.2	1.1	4.1	S	3.9	V	V	11.5
Other fuel	S	S	2.5	.4	2.1	V	V	S
Less than 400	1.2	1.2	V	V	V	V	V	44.5
400 or more	S	S	V	V	V	V	V	S
Not available	V	V	V	V	V	V	V	49.8
Not reported	S	S	S	V	S	V	V	N
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
REFUELING LOCATION								
Gas station	2 080.4	2 054.1	26.3	23.7	2.6	V	V	2.7
Truck stop	27.4	S	S	S	3.9	V	V	37.5
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	59.7	55.1	4.6	.8	3.8	V	V	23.2
Other company's/contractor's facility not open to the public	2.3	2.1	S	V	S	V	V	26.8
Other	V	V	V	V	V	V	V	N
Not reported	485.6	481.4	4.2	1.4	2.8	V	V	9.8
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1

See footnotes at end of table.

Table 5. Trucks by Truck Type: 2002—Con.

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
MAINTENANCE⁵								
General maintenance performed by:								
None performed	39.5	39.4	S	V	S	V	V	36.8
Company-owned maintenance facility	170.5	149.6	20.8	S	6.4	V	V	15.7
General repair business or private mechanic	925.2	913.3	S	S	3.2	V	V	6.5
Dealership service department	596.8	595.0	1.8	1.2	.6	V	V	8.6
Leasing company	1.1	1.0	S	V	S	V	V	44.1
Individual not employed/paid by any maintenance type facility	797.7	781.6	S	S	1.5	V	V	7.1
Other	V	V	V	V	V	V	V	N
Not reported	491.0	487.0	4.0	1.4	2.6	V	V	9.8
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
Extensive repairs performed by:								
None performed	1 845.2	1 801.9	43.3	35.4	7.9	V	V	3.3
Company-owned maintenance facility	30.4	29.3	1.1	S	.8	V	V	40.4
General repair business or private mechanic	127.8	125.8	2.0	1.0	1.0	V	V	20.3
Dealership service department	70.9	70.5	.4	V	.4	V	V	28.3
Leasing company	S	V	S	V	S	V	V	S
Component distributorship (engine, transmission, body, etc.)	S	S	S	S	V	V	V	S
Individual not employed/paid by any repair type facility	96.8	95.5	1.3	S	.7	V	V	23.5
Other	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	77.8	77.8	V	V	V	V	V	24.1
AXLE ARRANGEMENT								
Driving axles:								
1	2 018.2	1 989.0	29.2	25.5	3.7	V	V	2.9
2	709.3	687.0	22.3	S	9.3	V	V	7.8
3 or more	.5	.5	V	V	V	V	V	37.4
Not reported	5.1	4.9	.3	S	S	V	V	12.4
Total liftable axles and locations ¹² :								
None	148.1	126.8	21.3	8.5	12.8	V	V	1.6
1	1.2	.8	.4	V	.4	V	V	29.7
Forward of the drive axle	.3	S	S	V	V	V	V	49.6
Below the chassis	S	S	V	V	V	V	V	S
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	.6	S	S	V	S	V	V	47.5
2 or more	V	V	V	V	V	V	V	N
Forward of the drive axle	V	V	V	V	V	V	V	N
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not reported	1.9	1.8	S	S	S	V	V	21.4
Not applicable ¹⁰	2 582.0	2 551.9	30.1	30.1	V	V	V	1.0
Total liftable axles and number of braking axles:								
None	148.1	126.8	21.3	8.5	12.8	V	V	1.6
1	1.2	.8	.4	V	.4	V	V	29.7
0 braking	S	S	V	V	V	V	V	S
1 braking	.4	S	S	V	V	V	V	44.4
Not reported	.7	S	S	V	S	V	V	43.8
2 or more	V	V	V	V	V	V	V	N
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not reported	1.9	1.8	S	S	S	V	V	21.4
Not applicable ¹⁰	2 582.0	2 551.9	30.1	30.1	V	V	V	1.0
CAB TYPE								
Conventional cab	127.8	108.6	19.2	8.0	11.1	V	V	2.0
With sleeper	1.4	S	1.3	V	1.3	V	V	22.1
Without sleeper	124.2	108.3	15.9	8.0	7.8	V	V	2.1
Not reported	2.2	S	2.1	V	2.1	V	V	23.5
Cab over engine	20.2	17.9	2.3	.3	2.0	V	V	6.3
With sleeper	1.1	S	1.0	V	1.0	V	V	25.5
Without sleeper	18.5	17.6	.9	.3	.7	V	V	6.7
Not reported	.6	S	.4	V	.4	V	V	34.9
Cab forward of engine	.9	.9	V	V	V	V	V	42.0
Cab beside engine	1.4	1.2	S	S	V	V	V	38.8
Not reported	1.0	.9	S	V	S	V	V	32.6
Not applicable ¹⁰	2 582.0	2 551.9	30.1	30.1	V	V	V	1.0

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.
²Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.
³Truck-tractors not in use.
⁴Lessees or lessors of pickups, minivans, other light vans, and sport utilities.
⁵Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.
⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.
⁷Distributed miles data are available in Table 8.
⁸Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.
⁹Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.
¹⁰Pickups, minivans, other light vans, and sport utilities.
¹¹Data were derived from administrative records.
¹²Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives 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/svsd/www/02vehinv.html.

Table 6. Truck Miles by Vehicle Size: 2002

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
Total	34 019.5	31 271.2	1 167.8	487.0	1 093.5	X
Coefficient of variation (percent)	3.2	3.5	22.6	11.1	5.7	X
BUSINESS¹						
For-hire transportation or warehousing	303.3	S	113.2	46.0	131.5	13.5
Vehicle leasing or rental	503.3	S	42.4	80.4	17.7	47.6
Agriculture, forestry, fishing, or hunting	603.7	369.4	55.9	31.0	147.3	30.1
Mining	S	S	V	S	S	S
Utilities	963.6	880.4	41.3	S	37.6	43.6
Construction	2 377.8	1 786.6	S	71.9	256.3	21.5
Manufacturing	122.7	S	S	S	62.1	22.2
Wholesale trade	572.4	S	S	S	68.9	42.1
Retail trade	483.3	350.6	38.8	37.5	56.5	31.7
Information services	S	S	S	S	V	S
Waste management, landscaping, or administrative/support services	511.6	S	S	S	137.3	38.4
Arts, entertainment, or recreation services	S	S	S	S	V	S
Accommodation or food services	50.3	29.9	8.0	S	S	24.8
Other services	908.3	859.9	S	S	S	35.5
Personal transportation	24 148.8	24 136.3	S	V	V	4.5
Not reported	2 274.0	1 851.7	144.4	120.6	157.2	17.5
Not applicable ²	S	S	S	S	S	S
BODY TYPE						
Single-unit trucks	33 550.9	31 271.2	1 167.8	486.9	625.1	3.3
Pickup	15 706.3	15 418.5	S	V	V	5.4
Minivan	2 882.0	2 882.0	V	V	V	20.1
Other light vans	1 437.6	1 272.8	S	V	V	25.6
Sport utility	11 457.6	11 454.7	S	V	V	6.7
Armored	S	V	V	V	S	S
Beverage	26.6	V	V	21.9	S	42.6
Concrete mixer	54.9	V	V	V	54.9	17.8
Concrete pumper	S	V	V	V	S	S
Crane	S	V	V	S	S	S
Curtainside	S	V	S	V	S	S
Dump	286.5	S	42.4	54.7	185.8	11.5
Flatbed, stake, or platform	416.5	65.5	147.0	108.6	95.4	10.7
Low boy	S	V	V	S	S	S
Pole, logging, pulpwood, or pipe	S	V	V	V	S	S
Service, utility	203.0	41.0	63.8	68.8	29.4	16.6
Service, other	143.6	S	79.9	S	42.3	21.9
Street sweeper	S	V	S	V	V	S
Tank, dry bulk	S	V	V	V	S	S
Tank, liquids or gases	40.5	V	S	S	29.4	30.5
Tow/Wrecker	45.4	S	33.7	S	S	33.9
Trash, garbage, or recycling	84.7	V	V	S	71.6	19.4
Vacuum	S	V	V	S	S	S
Van, basic enclosed	382.3	36.1	177.9	138.6	29.7	12.8
Van, insulated nonrefrigerated	S	V	S	V	V	S
Van, insulated refrigerated	22.8	V	S	S	S	45.0
Van, open top	18.4	V	S	7.4	S	34.4
Van, step, walk-in, or multistop	235.3	68.0	130.4	36.9	V	14.8
Van, other	30.6	S	14.3	S	S	36.1
Other	V	V	V	V	V	N
Truck-tractors	468.5	V	V	S	468.4	8.8
Automobile carrier	S	V	V	V	S	S
Beverage	14.7	V	V	V	14.7	44.9
Curtainside	V	V	V	V	V	N
Dump	50.7	V	V	V	50.7	30.7
Flatbed, stake, or platform	45.7	V	V	V	45.7	28.9
Livestock	S	V	V	V	S	S
Low boy	38.4	V	V	V	38.4	25.6
Mobile home toter	S	V	V	V	S	S
Open top	31.6	V	V	V	31.6	42.0
Pole, logging, pulpwood, or pipe	45.3	V	V	V	45.3	33.1
Tank, dry bulk	62.6	V	V	V	62.6	30.6
Tank, liquids or gases	S	V	V	S	S	S
Van, basic enclosed	140.6	V	V	V	140.6	19.2
Van, drop-frame	V	V	V	V	V	N
Van, insulated nonrefrigerated	V	V	V	V	V	N
Van, insulated refrigerated	S	V	V	V	S	S
Other	V	V	V	V	V	N
Not applicable ³	V	V	V	V	V	N
ANNUAL MILES						
Less than 5,000	741.7	683.9	20.2	11.5	26.1	13.5
5,000 to 9,999	3 547.1	3 453.0	40.8	18.1	35.2	9.9
10,000 to 19,999	18 227.3	17 684.7	273.7	126.8	142.1	4.9
20,000 to 29,999	5 277.6	4 528.8	390.4	157.4	201.0	14.6
30,000 to 49,999	4 948.0	4 192.5	388.2	115.7	251.5	18.5
50,000 to 74,999	1 013.9	S	S	S	239.9	49.1
75,000 or more	237.4	V	V	S	196.7	19.6
Not applicable ²	S	S	S	S	S	S
PRIMARY RANGE OF OPERATION						
Off-the-road	69.6	S	S	S	16.4	34.9
50 miles or less	18 258.7	17 172.9	429.9	168.3	487.7	5.7
51 to 100 miles	3 694.6	3 308.8	136.4	23.5	225.9	16.7
101 to 200 miles	764.9	S	S	S	25.7	46.4
201 to 500 miles	S	S	S	S	28.2	S
501 miles or more	S	S	S	S	S	S
Not reported	10 319.7	9 460.5	342.4	217.6	299.2	8.7
Not applicable ²	S	S	S	S	S	S

See footnotes at end of table.

Table 6. Truck Miles by Vehicle Size: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
PRIMARY JURISDICTION						
Operated in Canada.....	V	V	V	V	V	N
Operated in Mexico.....	V	V	V	V	V	N
Operated within the home base state.....	24 258.6	22 234.7	847.0	320.3	856.6	5.0
Operated in states other than the home base state.....	385.3	349.7	S	S	S	42.2
Not reported.....	9 349.1	8 665.6	305.5	150.1	227.9	8.6
Not applicable ²	S	S	S	S	S	S
MONTHS OPERATED						
12.....	25 544.7	23 233.3	1 015.0	388.2	908.1	4.6
7 to 11.....	5 192.4	4 916.8	102.1	52.8	120.7	13.5
2 to 6.....	2 810.6	2 664.4	45.1	S	57.1	16.5
1 or less.....	445.3	435.4	2.0	1.3	6.6	38.4
Vehicle not used.....	S	S	S	S	S	S
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	23 535.3	23 535.3	N	N	N	4.9
6,001 to 8,500.....	6 832.2	6 832.2	N	N	N	11.3
8,501 to 10,000.....	903.7	903.7	N	N	N	29.6
10,001 to 14,000.....	796.2	N	796.2	N	N	32.7
14,001 to 16,000.....	186.8	N	186.8	N	N	17.6
16,001 to 19,500.....	184.8	N	184.8	N	N	18.5
19,501 to 26,000.....	487.0	N	N	487.0	N	11.1
26,001 to 33,000.....	173.3	N	N	N	173.3	18.7
33,001 to 40,000.....	107.6	N	N	N	107.6	21.1
40,001 to 50,000.....	155.2	N	N	N	155.2	18.3
50,001 to 60,000.....	257.5	N	N	N	257.5	9.9
60,001 to 80,000.....	389.7	N	N	N	389.7	10.1
80,001 to 100,000.....	S	N	N	N	S	S
100,001 to 130,000.....	V	N	N	N	V	N
130,001 or more.....	S	N	N	N	S	S
TOTAL LENGTH (FEET)						
Less than 20.0.....	29 856.6	29 086.3	497.0	133.1	140.3	3.8
20.0 to 27.9.....	2 651.1	2 043.1	257.8	144.3	205.8	15.8
28.0 to 35.9.....	595.7	S	S	116.3	163.7	26.5
36.0 to 40.9.....	391.3	V	S	82.3	95.4	46.3
41.0 to 44.9.....	28.0	S	S	S	14.4	32.0
45.0 to 49.9.....	42.7	V	V	V	42.7	30.4
50.0 to 54.9.....	92.6	V	S	S	70.7	28.1
55.0 to 59.9.....	168.2	V	V	S	168.1	15.4
60.0 to 64.9.....	82.0	V	V	S	81.2	27.4
65.0 to 69.9.....	89.1	V	V	V	89.1	24.8
70.0 to 74.9.....	S	V	V	V	S	S
75.0 to 79.9.....	S	V	V	V	S	S
80.0 or more.....	S	V	V	V	S	S
MILES PER GALLON						
Less than 5.....	195.4	S	S	S	183.5	14.4
5 to 6.9.....	463.2	S	20.5	60.1	368.4	9.7
7 to 8.9.....	249.0	32.7	44.6	57.6	114.1	13.8
9 to 10.9.....	1 282.4	1 030.0	165.5	30.9	56.0	32.5
11 to 12.9.....	1 180.8	1 033.0	66.8	39.6	41.3	27.0
13 to 14.9.....	3 159.6	2 897.8	S	S	6.3	19.9
15 or more.....	17 663.2	17 416.2	S	S	6.3	6.3
15 to 20.9.....	14 677.7	14 430.7	S	S	7.4	7.4
21 to 24.9.....	1 838.4	1 838.4	V	V	21.9	21.9
25 or more.....	1 147.1	1 147.1	V	V	25.5	25.5
Not reported.....	9 799.5	8 824.7	434.8	239.0	301.0	8.3
Not applicable ²	S	S	S	S	S	S
MODEL YEAR						
2003.....	S	V	S	V	V	S
2002.....	2 307.4	2 190.9	25.3	S	64.8	18.7
2001.....	4 165.1	3 990.0	43.8	61.8	69.5	15.3
2000.....	4 422.5	4 172.0	97.3	46.9	106.3	14.5
1999.....	4 481.3	3 879.6	S	62.5	158.9	16.1
1998.....	3 016.6	2 833.7	79.2	S	88.0	20.5
1997.....	3 155.9	3 017.8	61.2	S	60.2	17.0
1996.....	1 667.0	1 521.3	43.6	44.9	57.3	26.6
1995.....	2 782.0	2 467.3	S	52.7	66.5	19.2
1994.....	1 220.3	1 089.6	35.1	S	88.3	20.3
1993.....	1 665.2	1 549.2	37.5	S	61.3	29.3
Pre-1993.....	5 134.4	4 559.9	167.2	135.0	272.4	9.2
VEHICLE ACQUISITION						
New.....	13 400.5	12 262.1	369.1	234.3	535.1	8.0
Used.....	13 128.0	12 138.1	517.5	124.4	348.0	7.7
Not reported.....	7 490.9	6 871.0	281.2	128.3	210.4	9.5
LEASE CHARACTERISTICS						
Leased.....	1 731.1	1 460.9	91.5	57.3	121.3	23.9
Lessee.....	1 332.1	1 150.7	71.0	S	94.3	28.0
Vehicle only.....	180.2	S	65.6	S	88.5	18.3
Vehicle with driver.....	S	V	V	V	S	S
Not reported.....	S	V	S	V	V	S
Not applicable ⁴	1 145.3	1 140.6	S	V	V	32.4
Lessor.....	S	S	18.5	40.1	25.3	S
Vehicle only.....	70.1	V	15.6	40.1	14.5	24.9
Vehicle with driver.....	13.7	V	S	V	10.9	44.5
Not reported.....	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	S
Not reported.....	S	S	S	S	S	S
Not leased.....	15 806.6	14 571.9	534.6	193.9	506.2	7.2
Not reported.....	16 481.8	15 238.3	541.6	235.8	466.0	6.0

See footnotes at end of table.

Table 6. Truck Miles by Vehicle Size: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	1 731.1	1 460.9	91.5	57.3	121.3	23.9
1 to 11 months	S	V	S	V	S	S
12 months or more	268.6	S	80.4	57.3	116.2	14.1
Not reported	S	V	S	V	S	S
Not applicable ⁴	1 450.9	1 446.1	S	V	V	28.4
Provisions of lease ⁵ :						
Financing only	180.0	S	66.3	S	81.7	18.0
Full maintenance	80.0	S	13.9	40.1	25.0	23.6
Payment of taxes	96.2	S	11.5	40.1	43.5	21.4
Obtaining licenses and permits	79.2	S	12.4	40.1	24.0	23.0
Recordkeeping	23.6	S	S	S	S	40.9
Fuel contract	14.5	S	S	S	S	43.6
PRIMARY OPERATOR CLASSIFICATION						
Private	8 395.8	6 361.8	966.8	350.7	716.5	10.0
Motor carrier	370.4	S	108.2	52.1	197.5	12.2
Owner operator	S	S	34.4	S	133.6	S
Rental	530.7	S	42.4	80.6	45.0	45.3
Personal transportation	24 148.8	24 136.3	S	V	V	4.5
Not applicable ²	S	S	S	S	S	S
For-hire characteristics:						
Type of carrier:						
Contract	193.6	S	64.3	S	106.1	18.0
Common	215.6	S	60.0	29.3	121.0	14.8
Not reported	132.5	S	18.2	S	103.9	19.5
Not applicable ⁶	33 477.9	31 258.2	1 025.3	432.0	762.5	3.3
Type of service:						
Truckload	230.2	S	38.2	S	179.3	14.6
Less-than truckload	175.3	S	82.6	39.8	47.7	18.4
Not reported	136.1	S	21.8	S	104.0	19.6
Not applicable ⁶	33 477.9	31 258.2	1 025.3	432.0	762.5	3.3
Source of hauls:						
Shippers or receivers	315.7	S	105.7	42.2	164.0	13.1
Brokers	S	V	V	V	S	S
Centralized markets or exchanges	S	V	V	V	S	S
Other	S	V	V	V	V	N
Not reported	208.0	S	36.8	S	149.2	15.9
Not applicable ⁶	33 477.9	31 258.2	1 025.3	432.0	762.5	3.3
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	96.1	S	S	S	75.1	27.4
Not carrying hazardous materials	1 724.0	201.1	429.9	280.6	812.4	4.8
Not reported	542.7	41.1	222.6	119.0	160.0	8.7
Not applicable ⁸	31 656.7	31 027.9	S	81.3	45.9	3.5
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	73.8	S	39.4	S	22.5	27.1
Air bag(s) (safety device only)	19 304.3	18 842.0	S	91.3	97.0	6.1
Air compressor (except air brakes)	134.0	V	S	S	117.6	21.9
Air-conditioning	24 509.8	22 929.2	552.2	257.3	771.0	4.8
Air springs	102.8	S	V	V	102.1	20.7
Antilock brake system	19 141.5	18 127.3	532.7	130.0	351.6	6.1
Collision warning system	38.9	S	S	S	S	45.3
Computerized drive train control unit	3 272.5	3 188.0	S	S	55.9	17.2
Crane	28.5	S	S	S	16.7	40.2
Electronic vehicle identification device	S	V	V	V	S	S
Engine retarder/brake	304.3	S	31.7	S	261.5	10.9
Front-wheel drive	7 796.0	7 615.4	S	V	V	10.3
Hoist	111.9	S	S	5.8	83.5	21.0
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	72.5	V	42.9	S	26.3	29.5
Internet access	S	V	S	V	V	S
Lift gate	92.8	13.6	56.2	S	S	26.8
Mounting bar for snowplow	S	S	V	V	V	S
Navigational system	11.8	V	V	V	11.8	44.4
Power take-off	510.9	S	64.4	47.7	391.0	9.2
Radial tires	18 014.3	16 641.3	557.5	187.7	627.7	6.4
Reflective material in addition to those required by law	289.9	55.6	63.4	36.2	134.7	12.6
Road speed governor	580.7	15.5	138.8	105.6	320.8	8.9
Toolbox	4 199.8	3 472.0	363.7	74.4	289.7	16.2
Trip recorder or on-board computer with communication capabilities	869.1	759.7	39.3	42.0	28.1	27.5
Trip recorder or on-board computer without communication capabilities	6 156.7	5 955.6	S	V	21.0	13.7
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	133.3	S	S	9.5	45.3	39.9
Transmission type:						
Automatic	22 738.7	22 021.3	446.2	121.1	150.0	5.3
Manual	4 377.3	2 970.6	445.5	236.9	724.3	11.7
Semiautomated manual	V	V	V	V	V	N
Automated manual	S	V	V	V	S	S
Not reported	6 903.1	6 279.2	276.1	129.0	218.8	10.2
Braking system:						
Hydraulic (standard)	655.3	136.0	241.3	193.7	84.2	8.4
Hydraulic with power assist	434.5	65.1	220.0	74.8	74.5	12.5
Air	842.3	S	42.7	77.3	720.9	6.8
Other	V	V	V	V	V	N
Not reported	603.9	40.7	208.1	141.2	213.8	8.2
Not applicable ¹⁰	31 483.5	31 027.9	S	V	V	3.5

See footnotes at end of table.

Table 6. Truck Miles by Vehicle Size: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	30 365.4	29 943.1	247.0	108.0	67.2	3.6
Diesel	3 330.4	1 028.1	916.4	373.3	1 012.6	12.9
Natural gas	V	V	V	V	V	N
Propane	S	V	V	S	S	S
Alcohol fuels	V	V	V	V	V	N
Electricity	V	V	V	V	V	N
Combination	V	V	V	V	V	N
Other	V	V	V	V	V	N
Not reported	S	S	S	V	S	S
Not applicable ²	S	S	S	S	S	S
Cylinders ¹¹ :						
4 cylinders	3 778.7	3 639.5	110.9	14.8	13.4	14.0
6 cylinders	15 376.0	13 991.3	229.4	264.8	890.5	6.6
8 cylinders	14 471.0	13 382.6	800.5	180.1	107.8	7.4
Other	393.8	257.8	26.9	27.2	81.8	23.3
Cubic inch displacement ¹¹ :						
Gasoline fuel	30 365.4	29 943.1	247.0	108.0	67.2	3.6
Less than 200	6 504.4	6 501.9	V	S	V	11.6
200 to 299	12 996.3	12 973.1	S	S	S	7.6
300 to 349	5 216.0	5 203.4	11.1	S	V	12.8
350 to 399	5 044.0	4 819.9	151.9	54.6	17.6	14.8
400 or more	347.1	230.3	59.6	31.1	S	29.1
Not available	257.7	214.4	15.0	9.2	19.1	31.4
Diesel fuel	3 330.4	1 028.1	916.4	373.3	1 012.6	12.9
Less than 400	962.8	648.6	207.9	63.1	43.1	30.8
400 to 599	1 599.7	331.3	703.7	300.1	264.7	19.3
600 to 799	479.1	V	S	S	473.8	8.1
800 or more	144.3	V	S	S	141.9	15.6
Not available	144.4	S	S	S	89.1	34.4
Other fuel	S	V	V	S	S	S
Less than 400	S	V	V	S	V	S
400 or more	S	V	V	S	S	S
Not available	V	V	V	V	V	N
Not reported	S	S	S	V	S	S
Not applicable ²	S	S	S	S	S	S
REFUELING LOCATION						
Gas station	26 172.1	24 910.2	752.2	192.3	317.3	4.6
Truck stop	464.8	S	S	71.5	179.9	27.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1 148.9	S	132.0	72.3	363.5	26.5
Other company's/contractor's facility not open to the public	49.4	S	S	S	23.4	32.8
Other	V	V	V	V	V	N
Not reported	6 157.9	5 681.6	139.4	128.3	208.4	10.5
Not applicable ²	S	S	S	S	S	S
MAINTENANCE⁵						
General maintenance performed by:						
None performed	286.4	S	S	S	S	49.6
Company-owned maintenance facility	2 789.7	1 712.7	364.8	160.2	551.9	16.5
General repair business or private mechanic	13 536.2	12 540.3	583.9	138.3	273.7	8.5
Dealership service department	8 183.5	7 985.9	81.7	S	99.6	10.0
Leasing company	35.6	V	S	S	S	45.4
Individual not employed/paid by any maintenance type facility	7 952.7	7 705.5	79.2	50.4	117.5	9.7
Other	V	V	V	V	V	N
Not reported	6 267.3	5 800.8	139.4	128.3	198.8	10.4
Not applicable ²	S	S	S	S	S	S
Extensive repairs performed by:						
None performed	22 772.3	21 146.0	732.4	288.4	605.5	5.0
Company-owned maintenance facility	817.6	S	S	11.4	97.0	47.9
General repair business or private mechanic	1 847.6	1 474.4	S	37.3	118.6	25.4
Dealership service department	1 475.7	1 368.0	30.8	S	65.9	30.9
Leasing company	S	V	V	V	S	S
Component distributorship (engine, transmission, body, etc.)	S	V	V	S	S	S
Individual not employed/paid by any repair type facility	1 121.6	1 049.3	S	S	47.5	30.4
Other	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not applicable ²	S	S	S	S	S	S
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	33 092.6	31 220.3	846.0	451.6	574.6	3.3
2 axles	32 742.8	31 206.7	835.5	450.6	250.0	3.4
3 axles	308.8	S	S	S	302.1	9.0
4 axles	13.7	V	V	V	13.7	44.3
5 axles or more	V	V	V	V	V	N
Not reported	27.3	13.5	S	V	8.8	22.8
Combinations	926.9	S	S	35.5	518.9	23.0
Single-unit trucks with trailer	458.4	S	S	35.3	50.5	45.6
3 axles	S	S	S	S	S	S
4 axles	S	S	S	S	S	S
5 axles or more	21.7	V	V	V	21.7	36.3
Not reported	30.9	S	S	S	S	47.7
Truck-tractors with single trailer	468.5	V	V	S	468.4	8.8
3 axles	11.9	V	V	V	11.9	46.5
4 axles	62.8	V	V	V	62.6	36.2
5 axles or more	323.7	V	V	V	323.7	10.9
Not reported	70.2	V	V	V	70.2	20.2
Truck-tractors with double trailers	V	V	V	V	V	N
5 axles	V	V	V	V	V	N
6 axles	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

Table 6. Truck Miles by Vehicle Size: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Combinations—Con.						
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Driving axles:						
1	25 379.3	23 614.8	953.1	460.3	351.3	4.7
2	8 593.5	7 635.5	S	26.8	721.4	9.4
3 or more	9.1	V	V	V	9.1	46.1
Not reported	37.5	20.9	S	V	11.7	18.7
Total liftable axles and locations ¹² :						
None	2 489.1	242.4	707.3	487.0	1 052.3	3.6
1	28.3	V	V	V	28.3	37.0
Forward of the drive axle	S	V	V	V	S	S
Below the chassis	S	V	V	V	S	S
Beyond the chassis	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
2 or more	V	V	V	V	V	N
Forward of the drive axle	V	V	V	V	V	N
Below the chassis	V	V	V	V	V	N
Beyond the chassis	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not reported	18.6	S	S	V	12.9	31.6
Not applicable ¹⁰	31 483.5	31 027.9	S	V	V	3.5
Total liftable axles and number of braking axles:						
None	2 489.1	242.4	707.3	487.0	1 052.3	3.6
1	28.3	V	V	V	28.3	37.0
0 braking	S	V	V	V	S	S
1 braking	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
2 or more	V	V	V	V	V	N
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Not reported	18.6	S	S	V	12.9	31.6
Not applicable ¹⁰	31 483.5	31 027.9	S	V	V	3.5
CAB TYPE						
Conventional cab	2 070.8	192.4	494.9	432.2	951.3	4.1
With sleeper	55.8	V	V	V	55.8	28.0
Without sleeper	1 952.8	192.4	494.9	432.1	833.4	4.3
Not reported	62.2	V	V	S	62.1	32.0
Cab over engine	424.8	41.6	206.8	51.6	124.6	9.7
With sleeper	27.7	V	V	V	27.7	36.7
Without sleeper	393.8	41.6	206.8	51.6	93.7	10.2
Not reported	S	V	V	V	S	S
Cab forward of engine	14.0	S	S	V	S	42.0
Cab beside engine	14.7	S	S	S	S	49.7
Not reported	S	S	V	S	S	S
Not applicable ¹⁰	31 483.5	31 027.9	S	V	V	3.5

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.

²Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

³Truck-tractors not in use.

⁴Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

⁵Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁷Distributed miles data are available in Table 8.

⁸Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

⁹Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

¹⁰Pickups, minivans, other light vans, and sport utilities.

¹¹Data were derived from administrative records.

¹²Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives 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/svsd/www/02vehinv.html.

Table 7. Truck Miles by Truck Type: 2002

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
Total	34 019.5	33 092.6	926.9	458.4	468.5	V	V	X
Coefficient of variation (percent)	3.2	3.3	23.0	45.6	8.8	N	N	X
BUSINESS¹								
For-hire transportation or warehousing	303.3	189.2	114.1	S	99.9	V	V	13.5
Vehicle leasing or rental	503.3	486.7	16.5	V	16.5	V	V	47.6
Agriculture, forestry, fishing, or hunting	603.7	455.1	148.6	29.5	119.0	V	V	30.1
Mining	S	S	S	V	S	V	V	S
Utilities	963.6	942.6	20.9	S	S	V	V	43.6
Construction	2 377.8	2 268.8	108.9	S	56.0	V	V	21.5
Manufacturing	122.7	95.9	26.8	V	26.8	V	V	22.2
Wholesale trade	572.4	S	S	S	39.8	V	V	42.1
Retail trade	483.3	478.5	S	S	S	V	V	31.7
Information services	S	S	V	V	V	V	V	S
Waste management, landscaping, or administrative/support services	511.6	305.7	S	S	S	V	V	38.4
Arts, entertainment, or recreation services	S	S	S	S	V	V	V	S
Accommodation or food services	50.3	47.1	S	V	S	V	V	24.8
Other services	908.3	896.4	S	S	S	V	V	35.5
Personal transportation	24 148.8	24 142.9	S	S	V	V	V	4.5
Not reported	2 274.0	2 174.2	99.8	30.7	69.1	V	V	17.5
Not applicable ²	S	S	V	V	V	V	V	S
BODY TYPE								
Single-unit trucks	33 550.9	33 092.6	458.4	458.4	N	N	N	3.3
Pickup	15 706.3	15 377.4	S	S	N	N	N	5.4
Minivan	2 882.0	2 882.0	V	V	N	N	N	20.1
Other light vans	1 437.6	1 437.6	V	V	N	N	N	25.6
Sport utility	11 457.6	11 457.6	V	V	N	N	N	6.7
Armored	S	S	V	V	N	N	N	S
Beverage	26.6	26.6	V	V	N	N	N	42.6
Concrete mixer	54.9	54.9	V	V	N	N	N	17.8
Concrete pumper	S	S	V	V	N	N	N	S
Crane	S	S	V	V	N	N	N	S
Curtainside	S	S	V	V	N	N	N	S
Dump	286.5	269.9	16.6	16.6	N	N	N	11.5
Flatbed, stake, or platform	416.5	371.6	44.9	44.9	N	N	N	10.7
Low boy	S	S	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe	S	S	S	S	N	N	N	S
Service, utility	203.0	185.2	S	S	N	N	N	16.6
Service, other	143.6	136.4	S	S	N	N	N	21.9
Street sweeper	S	S	V	V	N	N	N	S
Tank, dry bulk	S	S	V	V	N	N	N	S
Tank, liquids or gases	40.5	38.2	S	S	N	N	N	30.5
Tow/Wrecker	45.4	45.4	V	V	N	N	N	33.9
Trash, garbage, or recycling	84.7	84.7	V	V	N	N	N	19.4
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	382.3	375.4	S	S	N	N	N	12.8
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated	22.8	14.3	S	S	N	N	N	45.0
Van, open top	18.4	18.4	V	V	N	N	N	34.4
Van, step, walk-in, or multistop	235.3	221.7	S	S	N	N	N	14.8
Van, other	30.6	30.6	V	V	N	N	N	36.1
Other	V	V	V	V	N	N	N	N
Truck-tractors	468.5	V	468.5	N	468.5	V	V	8.8
Automobile carrier	S	N	S	N	S	V	V	S
Beverage	14.7	N	14.7	N	14.7	V	V	44.9
Curtainside	V	N	V	N	V	V	V	N
Dump	50.7	N	50.7	N	50.7	V	V	30.7
Flatbed, stake, or platform	45.7	N	45.7	N	45.7	V	V	28.9
Livestock	S	N	S	N	S	V	V	S
Low boy	38.4	N	38.4	N	38.4	V	V	25.6
Mobile home toter	S	N	S	N	S	V	V	S
Open top	31.6	N	31.6	N	31.6	V	V	42.0
Pole, logging, pulpwood, or pipe	45.3	N	45.3	N	45.3	V	V	33.1
Tank, dry bulk	62.6	N	62.6	N	62.6	V	V	30.6
Tank, liquids or gases	S	N	S	N	S	V	V	S
Van, basic enclosed	140.6	N	140.6	N	140.6	V	V	19.2
Van, drop-frame	V	N	V	N	V	V	V	N
Van, insulated nonrefrigerated	V	N	V	N	V	V	V	N
Van, insulated refrigerated	S	N	S	N	S	V	V	S
Other	V	N	V	N	V	V	V	N
Not applicable ³	V	V	V	N	V	V	V	N
ANNUAL MILES								
Less than 5,000	741.7	717.8	23.9	19.7	4.2	V	V	13.5
5,000 to 9,999	3 547.1	3 506.0	S	S	7.3	V	V	9.9
10,000 to 19,999	18 227.3	18 072.8	S	S	26.5	V	V	4.9
20,000 to 29,999	5 277.6	5 211.1	66.5	26.5	40.0	V	V	14.6
30,000 to 49,999	4 948.0	4 620.3	S	S	101.6	V	V	18.5
50,000 to 74,999	1 013.9	S	151.3	S	127.0	V	V	49.1
75,000 or more	237.4	75.5	161.9	V	161.9	V	V	19.6
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

Table 7. Truck Miles by Truck Type: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
PRIMARY RANGE OF OPERATION								
Off-the-road	69.6	65.3	S	V	S	V	V	34.9
50 miles or less	18 258.7	18 074.2	184.5	38.7	145.9	V	V	5.7
51 to 100 miles	3 694.6	3 545.0	149.6	S	132.4	V	V	16.7
101 to 200 miles	764.9	S	S	S	25.7	V	V	46.4
201 to 500 miles	S	S	35.0	S	S	V	V	S
501 miles or more	S	S	30.5	S	S	V	V	S
Not reported	10 319.7	10 010.7	309.0	S	143.6	V	V	8.7
Not applicable ²	S	S	V	V	V	V	V	S
PRIMARY JURISDICTION								
Operated in Canada	V	V	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	V	V	N
Operated within the home base state	24 258.6	23 621.2	637.5	S	359.1	V	V	5.0
Operated in states other than the home base state	385.3	369.7	S	S	S	V	V	42.2
Not reported	9 349.1	9 075.2	273.9	S	108.3	V	V	8.6
Not applicable ²	S	S	V	V	V	V	V	S
MONTHS OPERATED								
12	25 544.7	24 743.5	801.2	S	391.5	V	V	4.6
7 to 11	5 192.4	5 119.5	72.9	15.0	57.9	V	V	13.5
2 to 6	2 810.6	2 761.0	S	S	16.7	V	V	16.5
1 or less	445.3	442.1	3.2	S	S	V	V	38.4
Vehicle not used	S	S	V	V	V	V	V	S
VEHICLE SIZE								
Light	31 271.2	31 220.3	S	S	V	V	V	3.5
Medium	1 167.8	846.0	S	S	V	V	V	22.6
Light-heavy	487.0	451.6	35.5	35.3	S	V	V	11.1
Heavy-heavy	1 093.5	574.6	518.9	50.5	468.4	V	V	5.7
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	23 535.3	23 535.3	V	V	V	V	V	4.9
6,001 to 8,500	6 832.2	6 791.1	S	S	V	V	V	11.3
8,501 to 10,000	903.7	893.9	S	S	V	V	V	29.6
10,001 to 14,000	796.2	512.6	S	S	V	V	V	32.7
14,001 to 16,000	186.8	177.1	S	S	V	V	V	17.6
16,001 to 19,500	184.8	156.4	S	S	V	V	V	18.5
19,501 to 26,000	487.0	451.6	35.5	35.3	S	V	V	11.1
26,001 to 33,000	173.3	160.5	S	S	S	V	V	18.7
33,001 to 40,000	107.6	63.0	44.6	S	40.3	V	V	21.1
40,001 to 50,000	155.2	115.2	40.0	S	38.0	V	V	18.3
50,001 to 60,000	257.5	181.6	76.0	20.3	55.6	V	V	9.9
60,001 to 80,000	389.7	51.0	338.7	S	326.4	V	V	10.1
80,001 to 100,000	S	S	S	V	V	V	V	S
100,001 to 130,000	S	V	V	V	V	V	V	N
130,001 or more	S	V	S	V	S	V	V	S
TOTAL LENGTH (FEET)								
Less than 20.0	29 856.6	29 856.6	V	V	V	V	V	3.8
20.0 to 27.9	2 651.1	2 629.3	21.8	21.8	V	V	V	15.8
28.0 to 35.9	595.7	428.2	S	S	V	V	V	26.5
36.0 to 40.9	391.3	157.6	S	S	24.0	V	V	46.3
41.0 to 44.9	28.0	8.6	19.3	S	S	V	V	32.0
45.0 to 49.9	42.7	V	42.7	10.1	32.6	V	V	30.4
50.0 to 54.9	92.6	S	80.4	34.9	45.4	V	V	28.1
55.0 to 59.9	168.2	V	168.2	S	165.9	V	V	15.4
60.0 to 64.9	82.0	V	82.0	S	81.2	V	V	27.4
65.0 to 69.9	89.1	V	89.1	V	89.1	V	V	24.8
70.0 to 74.9	S	V	S	V	S	V	V	S
75.0 to 79.9	S	V	S	V	S	V	V	S
80.0 or more	S	V	S	V	S	V	V	S
MILES PER GALLON								
Less than 5	195.4	85.7	109.8	S	108.0	V	V	14.4
5 to 6.9	463.2	221.5	241.7	S	222.5	V	V	9.7
7 to 8.9	249.0	206.9	42.1	S	21.7	V	V	13.8
9 to 10.9	1 282.4	1 214.3	68.1	S	S	V	V	32.5
11 to 12.9	1 180.8	1 171.5	9.3	9.3	V	V	V	27.0
13 to 14.9	3 159.6	2 971.2	S	S	V	V	V	19.9
15 or more	17 663.2	17 660.9	S	S	V	V	V	6.3
15 to 20.9	14 677.7	14 675.4	S	S	V	V	V	7.4
21 to 24.9	1 838.4	1 838.4	V	V	V	V	V	21.9
25 or more	1 147.1	1 147.1	V	V	V	V	V	25.5
Not reported	9 799.5	9 534.1	265.3	S	113.2	V	V	8.3
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

Table 7. Truck Miles by Truck Type: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
MODEL YEAR								
2003	S	S	V	V	V	V	S	
2002	2 307.4	2 288.8	S	V	S	V	18.7	
2001	4 165.1	4 122.7	42.4	S	S	V	15.3	
2000	4 422.5	4 363.6	58.9	S	36.5	V	14.5	
1999	4 481.3	4 100.8	S	S	80.5	V	16.1	
1998	3 016.6	2 973.7	42.9	S	28.8	V	20.5	
1997	3 155.9	3 124.7	31.2	S	S	V	17.0	
1996	1 667.0	1 638.4	28.6	S	27.4	V	26.6	
1995	2 782.0	2 750.4	31.5	S	17.4	V	19.2	
1994	1 220.3	1 173.4	46.9	S	45.0	V	20.3	
1993	1 665.2	1 639.2	26.0	S	23.6	V	29.3	
Pre-1993	5 134.4	4 915.1	219.3	76.0	143.3	V	9.2	
VEHICLE ACQUISITION								
New	13 400.5	13 115.7	284.8	61.6	223.2	V	V	8.0
Used	13 128.0	12 701.0	427.0	S	163.4	V	V	7.7
Not reported	7 490.9	7 275.8	215.1	S	81.9	V	V	9.5
LEASE CHARACTERISTICS								
Leased	1 731.1	1 622.6	108.5	44.5	63.9	V	V	23.9
Lessee	1 332.1	1 245.4	86.7	42.7	44.0	V	V	28.0
Vehicle only	180.2	99.4	80.8	42.7	38.2	V	V	18.3
Vehicle with driver	S	V	S	V	S	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable ⁴	1 145.3	1 145.3	V	V	V	V	V	32.4
Lessor	S	S	21.8	S	19.9	V	V	S
Vehicle only	70.1	56.8	13.3	S	11.5	V	V	24.9
Vehicle with driver	13.7	S	S	V	S	V	V	44.5
Not reported	V	V	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not leased	15 806.6	15 372.9	433.7	S	190.2	V	V	7.2
Not reported	16 481.8	16 097.1	384.7	S	214.4	V	V	6.0
Length of leasing agreement:								
Leased	1 731.1	1 622.6	108.5	44.5	63.9	V	V	23.9
1 to 11 months	S	S	S	V	S	V	V	S
12 months or more	268.6	163.6	105.0	44.5	60.5	V	V	14.1
Not reported	S	S	V	V	V	V	V	S
Not applicable ⁴	1 450.9	1 450.9	V	V	V	V	V	28.4
Provisions of lease ⁵ :								
Financing only	180.0	104.4	75.6	37.5	38.2	V	V	18.0
Full maintenance	80.0	56.2	23.8	V	23.8	V	V	23.6
Payment of taxes	96.2	64.2	32.0	S	20.7	V	V	21.4
Obtaining licenses and permits	79.2	58.8	20.4	V	20.4	V	V	23.0
Recordkeeping	23.6	S	S	V	S	V	V	40.9
Fuel contract	14.5	S	S	V	S	V	V	43.6
PRIMARY OPERATOR CLASSIFICATION								
Private	8 395.8	7 731.9	663.9	429.9	234.0	V	V	10.0
Motor carrier	370.4	263.2	107.2	V	107.2	V	V	12.2
Owner operator	S	S	112.8	S	90.2	V	V	S
Rental	530.7	493.6	37.1	V	37.1	V	V	45.3
Personal transportation	24 148.8	24 142.9	S	S	V	V	V	4.5
Not applicable ²	S	S	V	V	V	V	V	S
For-hire characteristics:								
Type of carrier:								
Contract	193.6	108.7	84.9	S	73.1	V	V	18.0
Common	215.6	152.1	63.4	S	56.1	V	V	14.8
Not reported	132.5	60.8	71.7	S	68.2	V	V	19.5
Not applicable ⁶	33 477.9	32 771.0	706.9	435.8	271.1	V	V	3.3
Type of service:								
Truckload	230.2	128.3	101.9	S	94.6	V	V	14.6
Less-than truckload	175.3	127.4	47.9	S	36.1	V	V	18.4
Not reported	136.1	65.9	70.2	S	66.7	V	V	19.6
Not applicable ⁶	33 477.9	32 771.0	706.9	435.8	271.1	V	V	3.3
Source of hauls:								
Shippers or receivers	315.7	197.1	118.6	S	106.8	V	V	13.1
Brokers	S	S	S	V	S	V	V	S
Centralized markets or exchanges	S	S	V	V	V	V	V	S
Other	V	V	V	V	V	V	V	N
Not reported	208.0	116.0	92.0	S	81.2	V	V	15.9
Not applicable ⁶	33 477.9	32 771.0	706.9	435.8	271.1	V	V	3.3
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	96.1	41.9	54.2	S	42.4	V	V	27.4
Not carrying hazardous materials	1 724.0	1 306.4	417.5	87.4	330.1	V	V	4.8
Not reported	542.7	453.5	89.2	30.3	58.9	V	V	8.7
Not applicable ⁸	31 656.7	31 290.7	S	S	37.1	V	V	3.5
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	73.8	67.6	S	S	V	V	V	27.1
Air bag(s) (safety device only)	19 304.3	19 221.2	83.0	31.7	51.4	V	V	6.1
Air compressor (except air brakes)	134.0	88.2	45.8	S	39.2	V	V	21.9
Air-conditioning	24 509.8	24 045.3	464.5	116.9	347.6	V	V	4.8
Air springs	102.8	21.1	81.7	S	77.5	V	V	20.7

See footnotes at end of table.

Table 7. Truck Miles by Truck Type: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	19 141.5	18 734.5	407.0	S	173.0	V	V	6.1
Collision warning system	38.9	38.9	V	V	V	V	V	45.3
Computerized drive train control unit	3 272.5	3 239.4	33.2	S	31.4	V	V	17.2
Crane	28.5	28.2	S	S	V	V	V	40.2
Electronic vehicle identification device	S	S	V	V	V	V	V	S
Engine retarder/brake	304.3	151.2	153.0	S	144.7	V	V	10.9
Front-wheel drive	7 796.0	7 612.4	S	S	V	V	V	10.3
Hoist	111.9	105.0	S	S	V	V	V	21.0
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	72.5	54.2	18.3	S	S	V	V	29.5
Internet access	S	S	V	V	V	V	V	S
Lift gate	92.8	90.9	S	S	V	V	V	26.8
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	11.8	11.8	V	V	V	V	V	44.4
Power take-off	510.9	355.4	155.6	12.0	143.5	V	V	9.2
Radial tires	18 014.3	17 433.5	580.8	S	309.3	V	V	6.4
Reflective material in addition to those required by law	289.9	239.2	50.7	S	46.3	V	V	12.6
Road speed governor	580.7	380.3	200.4	22.0	178.4	V	V	8.9
Toolbox	4 199.8	3 881.5	S	S	73.0	V	V	16.2
Trip recorder or on-board computer with communication capabilities	869.1	853.1	S	S	S	V	V	27.5
Trip recorder or on-board computer without communication capabilities	6 156.7	5 968.1	S	S	S	V	V	13.7
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	133.3	132.1	S	S	V	V	V	39.9
Transmission type:								
Automatic	22 738.7	22 662.1	76.6	76.6	V	V	V	5.3
Manual	4 377.3	3 765.5	611.8	S	375.5	V	V	11.7
Semiautomated manual	V	V	V	V	V	V	V	N
Automated manual	S	S	V	V	V	V	V	S
Not reported	6 903.1	6 664.5	238.5	S	93.0	V	V	10.2
Braking system:								
Hydraulic (standard)	655.3	601.8	53.5	27.5	26.1	V	V	8.4
Hydraulic with power assist	434.5	411.8	S	S	V	V	V	12.5
Air	842.3	450.6	391.7	41.5	350.2	V	V	6.8
Other	V	V	V	V	V	V	V	N
Not reported	603.9	473.8	130.1	37.9	92.2	V	V	8.2
Not applicable ¹⁰	31 483.5	31 154.6	S	S	V	V	V	3.5
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	30 365.4	30 273.1	92.3	70.0	S	V	V	3.6
Diesel	3 330.4	2 498.0	832.4	S	444.0	V	V	12.9
Natural gas	V	V	V	V	V	V	V	N
Propane	S	S	V	V	V	V	V	S
Alcohol fuels	V	V	V	V	V	V	V	N
Electricity	V	V	V	V	V	V	V	N
Combination	V	V	V	V	V	V	V	N
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
Cylinders¹¹:								
4 cylinders	3 778.7	3 774.0	S	S	S	V	V	14.0
6 cylinders	15 376.0	14 880.2	495.8	68.9	426.9	V	V	6.6
8 cylinders	14 471.0	14 093.6	S	S	S	V	V	7.4
Other	393.8	344.7	49.0	S	40.5	V	V	23.3
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	6 504.4	6 504.4	V	V	V	V	V	11.6
200 to 299	12 996.3	12 996.3	V	V	V	V	V	7.6
300 to 349	5 216.0	5 216.0	V	V	V	V	V	12.8
350 to 399	5 044.0	5 031.3	S	S	V	V	V	14.8
400 or more	347.1	275.7	71.4	S	S	V	V	29.1
Not available	257.7	249.5	S	S	S	V	V	31.4
Diesel fuel								
Less than 400	3 330.4	2 498.0	832.4	S	444.0	V	V	12.9
400 to 599	962.8	934.7	28.1	S	S	V	V	30.8
600 to 799	1 599.7	1 229.6	S	S	28.8	V	V	19.3
800 to 999	479.1	234.4	244.7	8.9	235.9	V	V	8.1
1000 or more	144.3	9.0	135.4	S	129.7	V	V	15.6
Not available	144.4	S	54.1	S	45.3	V	V	34.4
Other fuel	S	S	V	V	V	V	V	S
Less than 400	S	S	V	V	V	V	V	S
400 or more	S	S	V	V	V	V	V	S
Not available	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
REFUELING LOCATION								
Gas station	26 172.1	25 827.5	S	S	65.7	V	V	4.6
Truck stop	464.8	189.7	275.1	S	131.1	V	V	27.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1 148.9	974.7	174.2	S	165.3	V	V	26.5
Other company's/contractor's facility not open to the public	49.4	36.5	S	V	S	V	V	32.8
Other	V	V	V	V	V	V	V	N
Not reported	6 157.9	6 037.8	120.0	26.4	93.7	V	V	10.5
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

Table 7. Truck Miles by Truck Type: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
MAINTENANCE⁵								
General maintenance performed by:								
None performed	286.4	285.7	S	V	S	V	V	49.6
Company-owned maintenance facility	2 789.7	2 383.9	405.7	S	256.0	V	V	16.5
General repair business or private mechanic	13 536.2	13 195.1	S	S	103.2	V	V	8.5
Dealership service department	8 183.5	8 126.1	57.4	S	41.7	V	V	10.0
Leasing company	35.6	S	S	V	S	V	V	45.4
Individual not employed/paid by any maintenance type facility								
Other	7 952.7	7 853.7	99.0	S	42.3	V	V	9.7
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	6 267.3	6 150.4	116.9	26.4	90.5	V	V	10.4
	S	S	V	V	V	V	V	S
Extensive repairs performed by:								
None performed	22 772.3	22 118.6	653.7	S	244.6	V	V	5.0
Company-owned maintenance facility	817.6	S	45.2	S	39.5	V	V	47.9
General repair business or private mechanic	1 847.6	1 795.2	52.4	15.9	36.5	V	V	25.4
Dealership service department	1 475.7	1 440.2	35.5	V	35.5	V	V	30.9
Leasing company	S	V	S	V	S	V	V	S
Component distributorship (engine, transmission, body, etc.)								
Individual not employed/paid by any repair type facility	1 121.6	1 081.4	40.3	S	33.1	V	V	30.4
Other	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	S	S	V	V	V	V	V	S
AXLE ARRANGEMENT								
Driving axles:								
1	25 379.3	25 050.3	329.1	249.3	79.8	V	V	4.7
2	8 593.5	7 998.8	594.7	S	386.5	V	V	9.4
3 or more	9.1	9.1	V	V	V	V	V	46.1
Not reported	37.5	34.4	S	S	S	V	V	18.7
Total liftable axles and locations ¹² :								
None	2 489.1	1 905.2	583.9	128.8	455.2	V	V	3.6
1	28.3	17.1	S	V	S	V	V	37.0
Forward of the drive axle	S	S	S	S	S	V	V	S
Below the chassis	S	S	V	V	V	V	V	S
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
2 or more	V	V	V	V	V	V	V	N
Forward of the drive axle	V	V	V	V	V	V	V	N
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not reported	18.6	15.7	S	S	S	V	V	31.6
Not applicable ¹⁰	31 483.5	31 154.6	S	S	V	V	V	3.5
Total liftable axles and number of braking axles:								
None	2 489.1	1 905.2	583.9	128.8	455.2	V	V	3.6
1	28.3	17.1	S	V	S	V	V	37.0
0 braking	S	S	V	V	V	V	V	S
1 braking	S	S	S	V	S	V	V	S
Not reported	S	S	S	V	S	V	V	S
2 or more	V	V	V	V	V	V	V	N
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	V	V	V	V	V	V	V	N
Not reported	V	V	V	V	V	V	V	N
Not reported	18.6	15.7	S	S	S	V	V	31.6
Not applicable ¹⁰	31 483.5	31 154.6	S	S	V	V	V	3.5
CAB TYPE								
Conventional cab								
With sleeper	2 070.8	1 554.9	515.9	122.4	393.5	V	V	4.1
Without sleeper	55.8	V	55.8	V	55.8	V	V	28.0
Not reported	1 952.8	1 554.9	397.9	122.4	275.5	V	V	4.3
Not reported	62.2	V	62.2	V	62.2	V	V	32.0
Cab over engine								
With sleeper	424.8	348.9	75.8	S	68.9	V	V	9.7
Without sleeper	27.7	V	27.7	V	27.7	V	V	36.7
Not reported	393.8	348.9	44.9	S	37.9	V	V	10.2
Not reported	S	V	S	V	S	V	V	S
Cab forward of engine								
Cab beside engine	14.0	14.0	V	V	V	V	V	42.0
Not reported	14.7	S	S	S	V	V	V	49.7
Not reported	S	S	S	V	S	V	V	S
Not applicable ¹⁰	31 483.5	31 154.6	S	S	V	V	V	3.5

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Comparability of estimates may vary across survey years due to changes in category definitions.
²Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.
³Truck-tractors not in use.
⁴Lessees or lessors of pickups, minivans, other light vans, and sport utilities.
⁵Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.
⁶Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.
⁷Distributed miles data are available in Table 8.
⁸Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.
⁹Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.
¹⁰Pickups, minivans, other light vans, and sport utilities.
¹¹Data were derived from administrative records.
¹²Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives 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/svsd/www/02vehinv.html.

Table 8. Truck Miles Distribution by Operational Characteristics: 2002

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck miles distribution for all trucks		Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities		Coefficient of variation (percent)	
	A	B	A	B	A	B
Total	34 019.5	2 536.0	3.2	3.5		
TRAILER CONFIGURATION						
No trailer pulled	32 705.9	1 935.2	3.3	4.2		
Single trailer pulled	1 283.1	591.5	13.6	7.8		
Double trailers pulled	S	S	S	S		
Triple trailers pulled	V	V	N	N		
Not applicable ¹	S	5.2	S	47.2		
RANGE OF OPERATION						
Off-the-road	193.1	46.3	21.1	18.2		
50 miles or less	16 167.3	997.2	5.6	5.6		
51 to 100 miles	4 673.0	490.7	12.3	9.5		
101 to 200 miles	977.9	95.6	24.1	19.4		
201 to 500 miles	876.5	85.0	27.7	26.3		
501 miles or more	785.5	37.4	31.4	30.3		
Not reported	10 319.7	778.4	8.7	7.2		
Not applicable ¹	S	5.2	S	47.2		
JURISDICTION						
Operated in Canada	S	V	S	N		
Operated in Mexico	S	S	S	S		
Operated within the home base state	23 335.3	1 847.1	4.9	4.6		
Operated in states other than the home base state	1 305.2	77.7	14.6	21.9		
Not reported	9 349.1	603.8	8.6	7.8		
Not applicable ¹	S	5.2	S	47.2		
OPERATOR CLASSIFICATION						
Private	8 148.4	1 816.2	9.4	4.4		
Motor carrier	377.0	370.0	12.0	12.1		
Owner operator	598.8	172.2	49.9	16.3		
Rental	530.7	167.9	45.3	19.9		
Personal transportation	24 338.1	4.4	4.3	47.3		
Not applicable ¹	S	5.2	S	47.2		
For-hire characteristics:						
Type of carrier:						
Contract	177.4	177.4	16.9	16.9		
Common	231.7	231.7	13.9	13.9		
Not reported	132.5	132.5	19.5	19.5		
Not applicable ^{2 3}	33 477.9	1 994.4	3.3	4.2		
Type of service:						
Truckload	186.0	186.0	17.4	17.4		
Less-than truckload	221.9	221.9	14.5	14.5		
Not reported	133.7	133.7	19.8	19.8		
Not applicable ^{2 3}	33 477.9	1 994.4	3.3	4.2		
PRODUCTS CARRIED⁴						
Animals and fish, live	S	14.5	S	45.5		
Animal feed and products of animal origin	44.3	24.3	44.4	33.7		
Grains, cereal	S	S	S	S		
All other agricultural products	47.6	35.6	35.5	33.4		
Basic chemicals	S	S	S	S		
Fertilizers and fertilizer materials	10.0	10.0	31.0	31.0		
Pharmaceutical products	S	S	S	S		
All other chemical products and preparations	416.1	26.6	47.3	32.2		
Alcoholic beverages	S	S	S	S		
Bakery and milled grain products	55.0	54.9	37.8	37.9		
Meat, seafood, and their preparations	S	S	S	S		
Tobacco products	S	S	S	S		
All other prepared foodstuffs	97.9	41.9	44.7	40.7		
Logs and other wood in the rough	S	39.4	S	25.6		
Paper or paperboard articles	S	S	S	S		
Printed products	S	S	S	S		
Pulp, newsprint, paper, and paperboard	S	S	S	S		
Wood products	91.2	89.8	20.7	21.0		
Articles of base metal	360.7	93.7	46.5	22.4		
Base metal in primary or semifinished forms	S	50.8	S	31.2		
Nonmetallic mineral products	254.7	105.7	42.3	21.3		
Tools, nonpowered	1 718.4	305.3	23.0	13.0		
Tools, powered	1 199.4	222.2	29.2	14.8		
Electronic and other electrical equipment	572.2	69.5	40.9	28.7		
Furniture, mattresses, lamps, etc.	S	26.3	S	39.6		
Machinery	S	46.1	S	24.9		
Miscellaneous manufactured products	S	32.7	S	37.3		
Precision instruments and apparatus	S	S	S	S		
Textile, leather, and related articles	S	S	S	S		
Vehicles, including parts	50.4	49.2	26.9	27.4		
All other transportation equipment	S	S	S	S		
Coal	V	V	N	N		
Crude petroleum	S	S	S	S		
Gravel or crushed stone	67.7	67.7	17.3	17.3		
Metallic ores and concentrates	V	V	N	N		
Monumental or building stone	S	S	S	S		
Natural sands	25.5	25.5	31.2	31.2		
All other nonmetallic minerals	9.1	9.1	31.9	31.9		
Fuel oils	S	S	S	S		
Gasoline and aviation turbine fuel	S	S	S	S		

See footnotes at end of table.

Table 8. Truck Miles Distribution by Operational Characteristics: 2002—Con.

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck miles distribution for all trucks	Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities	Coefficient of variation (percent)	
	A	B	A	B
PRODUCTS CARRIED⁴—Con.				
Plastics and rubber	S	S	S	S
All other coal and refined petroleum products	18.6	18.6	38.6	38.7
Hazardous waste (EPA manifest)	S	S	S	S
All other waste and scrap (non-EPA manifest)	109.8	109.7	16.4	16.5
Recyclable products	7.6	5.8	42.9	46.9
Mail and courier parcels	95.7	94.3	26.4	26.7
Empty shipping containers	5.5	5.5	37.4	37.4
Passengers	S	S	S	S
Mixed freight	57.6	57.6	31.5	31.5
Products, equipment, or materials not elsewhere classified	S	S	S	S
Products not specified	394.3	51.6	44.8	24.0
Not applicable ¹	S	5.2	S	47.2
HAZARDOUS MATERIALS CARRIED⁴				
Division 1.1, Explosives	V	V	N	N
Division 1.2, Explosives	V	V	N	N
Division 1.3, Explosives	V	V	N	N
Division 1.4, Explosives	V	V	N	N
Division 1.5, Explosives	V	V	N	N
Division 1.6, Explosives	S	S	S	S
Division 2.1, Flammable gas	S	S	S	S
Division 2.2, Nonflammable gas	S	S	S	S
Division 2.3, Poison gas	V	V	N	N
Class 3, Flammable	3.2	3.2	46.7	46.7
Combustible liquid	S	S	S	S
Oxygen 2, Oxygen	S	S	S	S
Division 4.1, Flammable solid	S	S	S	S
Division 4.2, Spontaneously combustible	S	S	S	S
Division 4.3, Dangerous when wet	S	S	S	S
Division 5.1, Oxidizer	S	S	S	S
Division 5.2, Organic peroxide	V	V	N	N
Division 6.1, Poison inhalation hazard	S	S	S	S
Division 6.1, Poison	S	S	S	S
Class 7, Radioactive	V	V	N	N
Class 8, Corrosive	S	S	S	S
Class 9	S	S	S	S
Hazardous materials not specified	S	S	S	S
Not applicable ¹	S	5.2	S	47.2

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

¹Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.
²Column A includes: pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, used for personal transportation; and vehicles not in use.
³Column B includes: all other vehicles that are private, rental, used for personal transportation, or not in use.
⁴Detail lines may not add to total because multiple products/hazardous materials may be carried at the same time.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives 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/svsd/www/02vehinv.html.

Appendix.

Approximating Unpublished Coefficients of Variation

Estimated coefficients of variation (CVs) are presented for only the row and column totals for Tables 4 through 7.

The coefficient of variation for an individual cell in a particular table can be approximated by using the procedure below. CVs for each cell, estimated from the sample data, are available on request.

Tables 4 and 5

The CV (expressed as a percentage) for a cell in a particular table can be calculated as follows:

$$CV(C) = CV(S) * \sqrt{\frac{S (STATE - C)}{C (STATE - S)}}$$

where:

S = the smaller number between the row and column truck totals for the row and column containing the cell

C = the number of trucks in the cell

STATE = the number of trucks in the state

CV(S) = the coefficient of variation corresponding to S

Tables 6 and 7

For Tables 6 and 7, follow the above procedure but replace “trucks” with “truck miles.”

Example

Suppose, in Table 4, there are an estimated 40.0 thousand trucks in the cell for retail light-sized trucks, for which an approximation of the CV is needed. The following information must be extracted from the table: (1) 2222.2 thousand trucks in the state, (2) 46.0 thousand trucks and an estimated CV of 27.6 percent for the “Retail Trade” row, and (3) 2034.0 thousand trucks and an estimated CV of 1.1 percent for the “Light-sized trucks” column. Since the row total of 46.0 thousand is less than the column total of 2034.0 thousand, use the row figure to approximate the CV:

CV (retail light-sized trucks)=

$$\begin{aligned} &= 27.6 * \sqrt{\frac{46.0 * (2222.2 - 40.0)}{40.0 * (2222.2 - 46.0)}} \\ &= 29.6\% \end{aligned}$$

Some exceptions from this procedure will yield better approximations of the coefficients of variation in particular cells. Certain rows and columns in the tables are composed predominantly of “large trucks” (trucks excluding pickups, minivans, other light vans, and sport utilities). Because of the sample design, one obtains a better approximation of the coefficient of variation for a cell when the value of S is equal to the truck total associated with the “large trucks” even though this truck (row or column) total may not be the smaller of the two truck totals. For example, if the column containing the cell is composed of “large trucks,” then S is equal to the column total. When both totals consist of “large trucks,” use the smaller of the row and column totals.

Columns of predominately “large trucks:”

Tables 4 and 6—Light-heavy and Heavy-heavy

Tables 5 and 7—Single-unit truck with trailer and all Truck-tractor trailer columns

Rows of predominately “large-trucks:”

Body Type—All except pickup, minivan, other light vans, and sport utility

Annual Miles—75,000 miles or more

Vehicle Size—Light-heavy and Heavy-heavy

Average Weight—19,501 pounds or more

Total Length—50.0 or more

Miles per Gallon—Less than 5 and 5 to 6.9

Primary Operator Classification— Motor carrier, Owner operator

Primary Operator Classification, For-hire characteristics—Type of carrier, Type of service

Hazardous Materials Carried—Carrying hazardous materials

Equipment Type—Electronic vehicle identification device, Engine retarder/brake, Navigational system, and Reflective material in addition to those required by law

Equipment Type, Braking system—All rows except Not applicable

Fuel Type and Engine Size, Cubic inch displacement, Diesel fuel—600 or more and Not available

Truck Type and Axle Arrangement, Single-unit trucks and truck-tractors without trailer—3 axles or more

Truck Type and Axle Arrangement, Combinations—All Truck-tractor rows

Cab Type—All rows except Not applicable

