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2002 Economic Census

Vehicle Inventory and Use Survey

Geographic Area Series



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Please direct inquiries concerning this report to **John P. Miller**, U.S. Census Bureau, 4700 Silver Hill Road, Mail Stop 6500, Washington, DC 20233-6500. Call 301-763-2797 or 301-457-2278 (fax).

2002 Economic Census
Vehicle Inventory and Use Survey
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U.S. Department of Commerce
Donald L. Evans,
Secretary

Theodore W. Kassinger,
Deputy Secretary

Economics and Statistics Administration
Kathleen B. Cooper,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Charles Louis Kincannon,
Director



**Economics
and Statistics
Administration**

Kathleen B. Cooper,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU
Charles Louis Kincannon,
Director

Hermann Habermann,
Deputy Director and
Chief Operating Officer

Vacant,
Principal Associate
Director for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

Mark E. Wallace,
Chief, Service Sector
Statistics Division

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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 136,113 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 136,113 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 the United States, approximately 76.9 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. |

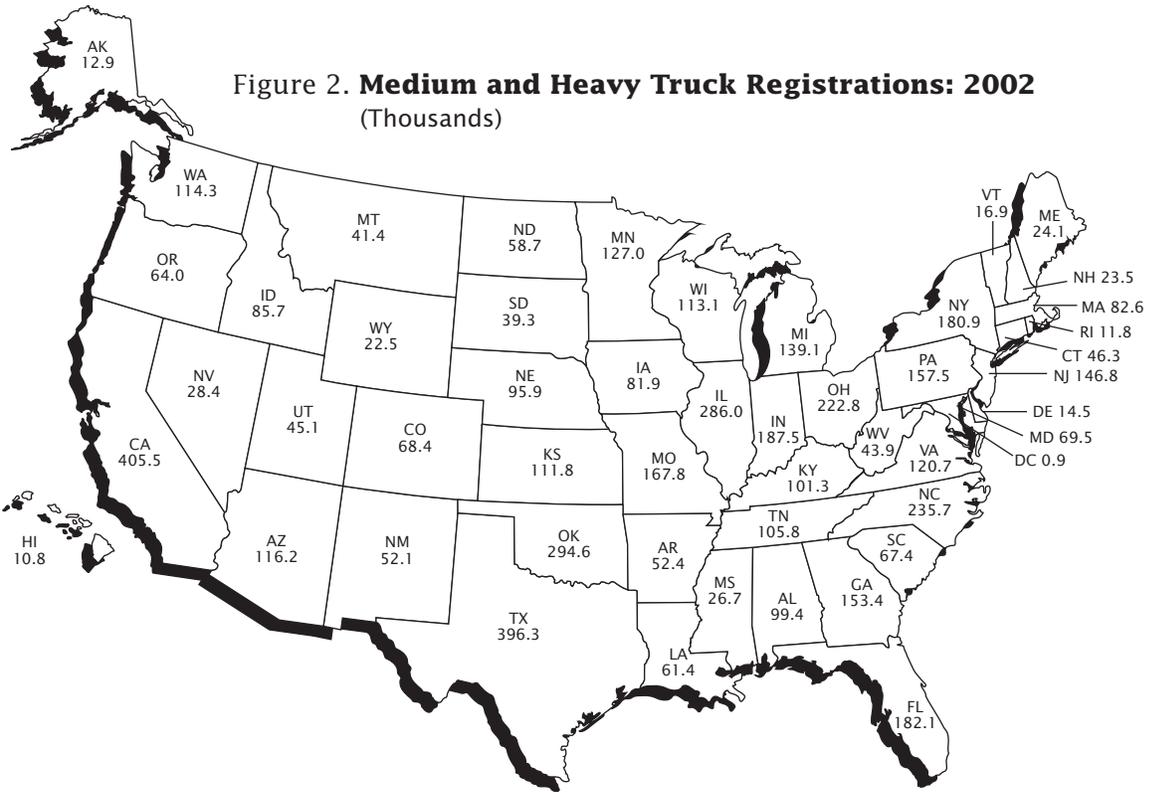
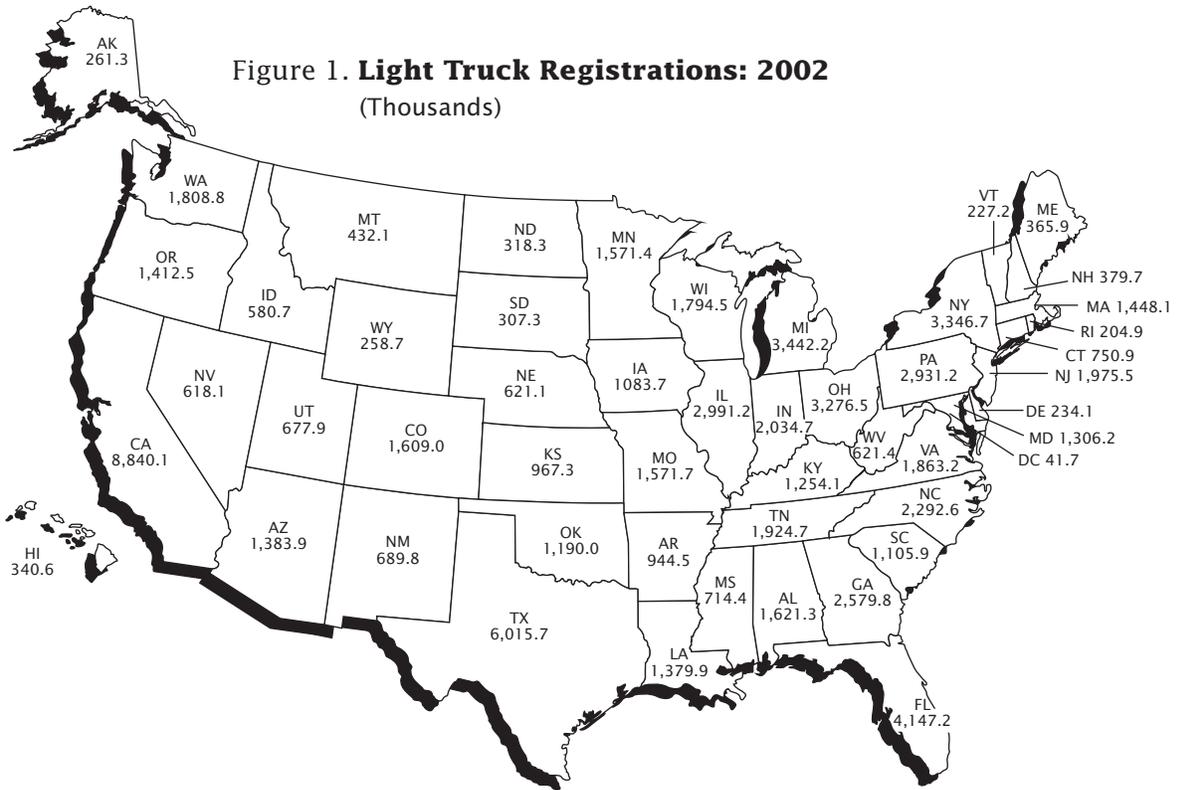


Table A. State Registration Rankings: 2002 and 1997

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

State	2002		1997	
	Trucks (thousands)	Ranking	Trucks (thousands)	Ranking
United States	85 174.8	X	72 800.3	X
Alabama	1 720.7	*18	1 538.6	*16
Alaska	274.2	47	248.4	47
Arizona	1 500.1	*22	1 390.0	*22
Arkansas	996.9	31	899.2	31
California	9 245.6	1	8 818.8	1
Colorado	1 677.4	*20	1 422.0	*20
Connecticut	797.2	32	751.5	33
Delaware	248.6	48	206.3	48
District of Columbia	42.6	51	33.0	51
Florida	4 329.3	3	3 460.2	3
Georgia	2 733.2	9	2 258.4	9
Hawaii	351.4	44	294.2	*45
Idaho	666.4	*37	550.6	*37
Illinois	3 277.2	7	2 674.6	7
Indiana	2 222.2	11	1 852.5	13
Iowa	1 165.6	*29	979.3	30
Kansas	1 079.1	30	1 082.6	29
Kentucky	1 355.4	27	1 348.0	24
Louisiana	1 441.3	25	1 210.1	*26
Maine	390.0	42	377.6	42
Maryland	1 375.7	26	1 192.0	*27
Massachusetts	1 530.7	21	1 240.8	25
Michigan	3 581.3	*4	2 734.5	6
Minnesota	1 698.4	*19	1 461.9	19
Mississippi	741.1	*34	813.0	32
Missouri	1 739.5	*17	1 626.7	*14
Montana	473.5	40	417.2	*40
Nebraska	717.0	*36	639.7	35
Nevada	646.5	39	539.7	38
New Hampshire	403.2	41	416.6	*41
New Jersey	2 122.3	12	1 514.3	*17
New Mexico	741.9	*33	715.9	34
New York	3 527.6	*5	2 863.9	5
North Carolina	2 528.3	10	1 996.1	10
North Dakota	377.0	43	340.9	44
Ohio	3 499.3	*6	2 985.1	4
Oklahoma	1 484.6	*23	1 373.5	*23
Oregon	1 476.5	*24	1 411.7	*21
Pennsylvania	3 088.7	8	2 605.9	8
Rhode Island	216.7	50	190.7	*50
South Carolina	1 173.3	*28	1 140.7	28
South Dakota	346.6	45	361.5	43
Tennessee	2 030.5	13	1 502.4	*18
Texas	6 412.0	2	4 410.6	2
Utah	723.0	*35	563.7	36
Vermont	244.1	49	194.5	*49
Virginia	1 983.9	14	1 891.6	*12
Washington	1 923.1	*15	1 903.5	*11
West Virginia	665.3	*38	446.0	39
Wisconsin	1 907.6	*16	1 618.5	*15
Wyoming	281.2	46	291.3	*46

*Ranking is not statistically significant.

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 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	14.7	14.5	14.9	17.2
Agriculture, forestry, fishing, or hunting	2.6	5.0	6.4	8.5	3 to 4 years old	17.8	16.1	15.7	16.5
Mining .....	.2	.3	.4	.5	Over 4 years old	67.4	69.4	69.4	66.3
Construction	5.3	8.3	8.4	10.0	VEHICLE ACQUISITION				
Manufacturing .....	.9	1.0	1.3	1.3	New	44.6	41.3	45.6	47.3
Wholesale and retail trade	2.7	4.8	5.2	5.6	Used	48.6	52.0	51.4	50.1
For-hire transportation or warehousing	1.5	1.5	1.5	2.2	Not reported ⁴	6.8	6.7	3.1	2.6
Utilities and all services	5.2	6.7	6.2	5.5	TRUCK TYPE				
Personal transportation	76.7	70.0	68.3	65.7	Single-unit trucks ⁵	96.3	96.6	96.5	96.3
Other, not reported, and not applicable	4.9	2.4	2.2	.6	2 axles	95.6	95.8	95.7	95.3
BODY TYPE					3 axles or more .....	.7	.8	.9	1.0
Pickup, minivan, other light vans, and sport utility	93.5	92.2	91.4	89.0	Trailer/axles not specified	V	N	N	N
Flatbed, stake, platform, and low boy	1.4	2.2	2.7	3.7	Combinations	3.7	3.4	3.5	3.7
Van ²	2.0	1.9	1.8	2.1	3 axles .....	.7	.5	.6	.7
Service, utility .....	.3	.2	.3	.3	4 axles	1.4	1.1	1.2	1.2
Van, step, walk-in, or multistop .....	.5	.8	.7	1.1	5 axles or more	1.4	1.9	1.7	1.8
Dump	1.0	.9	1.0	1.3	Trailer/axles not specified .....	.2	V	V	V
Tank for liquids, gases, or dry bulk .....	.4	.4	.4	.5	RANGE OF OPERATION				
Other and not applicable .....	.9	1.4	1.6	1.9	50 miles or less	68.2	72.5	73.8	75.6
VEHICLE SIZE					51 to 200 miles	11.2	17.0	15.0	14.8
Light	93.6	93.5	93.2	91.9	201 miles or more	3.0	5.2	4.9	4.5
Medium	2.2	2.0	2.1	2.3	Off-the-road, not reported, and not applicable	17.6	5.3	6.3	5.1
Light-heavy	1.1	1.0	1.2	1.7	FUEL TYPE				
Heavy-heavy	3.0	3.5	3.4	4.1	Gasoline	89.6	92.7	92.9	93.7
ANNUAL MILES					All other fuels	7.9	7.1	6.8	6.2
Less than 5,000 ³	18.8	17.9	20.8	25.3	Other, not reported, and not applicable	2.4	.3	.3	.1
5,000 to 9,999	20.1	18.5	20.7	23.4					
10,000 to 19,999	43.9	41.2	38.3	34.5					
20,000 to 29,999	11.0	14.0	12.7	10.7					
30,000 or more	6.2	8.4	7.6	6.1					

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	9.2	11.3
Agriculture, forestry, fishing, or hunting	14.4	17.1	3 to 4 years old	15.5	12.9
Mining	1.6	1.4	Over 4 years old	75.4	75.8
Construction	18.6	20.5	VEHICLE ACQUISITION		
Manufacturing	4.1	4.6	New	45.4	41.0
Wholesale and retail trade	11.7	16.1	Used	47.4	48.8
For-hire transportation or warehousing	18.5	16.6	Not reported ⁴	7.2	10.2
Utilities and all services	14.2	14.1	TRUCK TYPE		
Personal transportation .....	.9	3.2	Single-unit trucks ⁵	69.6	68.0
Other, not reported, and not applicable	16.1	6.5	2 axles	59.1	57.7
BODY TYPE			3 axles or more	10.3	10.3
Flatbed, stake, platform, and low boy	21.8	28.9	Trailer/axles not specified .....	.1	N
Van ²	31.1	23.9	Combinations	30.4	32.0
Service, utility	4.7	2.7	3 axles	2.1	2.2
Van, step, walk-in, or multistop	7.5	9.8	4 axles	4.8	6.3
Dump	15.5	11.8	5 axles or more	20.9	23.5
Tank for liquids, gases, or dry bulk	5.5	5.1	Trailer/axles not specified	2.6	V
Other and not applicable	13.9	17.7	RANGE OF OPERATION		
VEHICLE SIZE			50 miles or less	53.3	52.5
Light	14.6	21.3	51 to 200 miles	16.8	23.9
Medium	22.5	21.0	201 miles or more	9.5	15.1
Light-heavy	16.0	12.9	Off-the-road, not reported, and not applicable	20.4	8.5
Heavy-heavy	46.9	44.8	FUEL TYPE		
ANNUAL MILES			Gasoline	29.9	38.0
Less than 5,000 ³	29.4	27.4	All other fuels	65.9	59.6
5,000 to 9,999	13.0	13.3	Other, not reported, and not applicable	4.2	2.3
10,000 to 19,999	19.2	19.9			
20,000 to 29,999	12.2	10.3			
30,000 or more	26.3	29.0			

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.

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	85 174.8	72 800.4	17.0	1 114 728.0	1 044 238.0	6.8	13.1	14.3	-8.8
BUSINESS¹									
For-hire transportation or warehousing	1 280.2	1 059.4	20.8	72 272.8	72 855.1	-8	56.5	68.8	-17.9
Vehicle leasing or rental	859.2	539.2	59.3	20 024.6	13 724.4	45.9	23.3	25.5	-8.4
Agriculture, forestry, fishing, or hunting	2 239.9	3 654.5	-38.7	24 120.0	43 075.5	-44.0	10.8	11.8	-8.6
Mining	177.6	250.7	-29.1	3 411.5	4 679.3	-27.1	19.2	18.7	2.9
Utilities	679.3	663.8	2.3	10 244.7	9 437.7	8.6	15.1	14.2	6.1
Construction	4 541.5	6 034.0	-24.7	75 906.2	108 145.6	-29.8	16.7	17.9	-6.7
Manufacturing	782.9	729.4	7.3	15 384.5	16 966.2	-9.3	19.6	23.3	-15.5
Wholesale trade	735.9	1 264.6	-41.8	16 963.5	32 462.7	-47.7	23.1	25.7	-10.2
Retail trade	1 530.5	2 243.9	-31.8	27 470.5	40 274.0	-31.8	17.9	17.9	V
Information services	376.6	N	N	5 622.0	N	N	14.9	N	N
Waste management, landscaping, or administrative/support services	743.2	N	N	10 709.3	N	N	14.4	N	N
Arts, entertainment, or recreation services	187.1	N	N	1 784.1	N	N	9.5	N	N
Accommodation or food services	284.3	N	N	5 816.3	N	N	20.5	N	N
Other services	2 127.3	N	N	35 776.2	N	N	16.8	N	N
Personal transportation	65 343.0	50 934.5	28.3	766 639.8	631 346.6	21.4	11.7	12.4	-5.3
Not reported	1 308.2	V	N	20 820.7	V	N	15.9	V	N
Not applicable ²	1 978.0	1 193.1	65.8	1 761.4	236.0	646.3	.9	.2	350.1
BODY TYPE									
Single-unit trucks	83 752.9	71 256.7	17.5	1 024 557.8	943 113.2	8.6	12.2	13.2	-7.6
Pickup	37 991.1	36 191.8	5.0	433 472.1	453 721.0	-4.5	11.4	12.5	-9.0
Minivan	12 207.3	9 837.9	24.1	161 288.1	146 899.6	9.8	13.2	14.9	-11.5
Other light vans	5 251.4	5 572.7	-5.8	59 958.7	71 414.5	-16.0	11.4	12.8	-10.9
Sport utility	24 204.4	15 533.1	55.8	314 836.7	214 836.2	46.5	13.0	13.8	-6.0
Armored	11.3	N	N	293.8	N	N	26.1	N	N
Beverage	41.6	41.1	1.3	582.6	614.0	-5.1	14.0	14.9	-6.3
Concrete mixer	77.0	72.2	6.6	1 201.0	1 090.5	10.1	15.6	15.1	3.3
Concrete pumper	5.9	N	N	105.4	N	N	17.8	N	N
Crane	17.6	52.1	-66.3	121.2	676.6	-82.1	6.9	13.0	-46.9
Curtainside	3.6	N	N	69.5	N	N	19.3	N	N
Dump	727.0	574.4	26.6	7 244.1	6 864.6	5.5	10.0	12.0	-16.6
Flatbed, stake, or platform	948.1	1 250.7	-24.2	9 446.7	12 789.5	-26.1	10.0	10.2	-2.6
Low boy	3.6	26.1	-86.2	20.9	390.8	-94.6	5.8	15.0	-61.1
Pole, logging, pulpwood, or pipe	18.1	22.4	-19.2	391.1	481.0	-18.7	21.6	21.5	.7
Service, utility	262.1	151.3	73.2	3 214.6	1 653.9	94.4	12.3	10.9	12.2
Service, other	221.8	168.4	31.7	3 431.4	2 263.4	51.6	15.5	13.4	15.1
Street sweeper	6.4	N	N	80.2	N	N	12.6	N	N
Tank, dry bulk	26.1	15.5	67.7	191.9	193.5	-8	7.4	12.5	-40.9
Tank, liquids or gases	166.7	165.2	.9	2 152.1	2 559.0	-15.9	12.9	15.5	-16.6
Tow/Wrecker	127.8	111.7	14.4	2 056.7	1 734.9	18.6	16.1	15.5	3.6
Trash, garbage, or recycling	96.0	85.9	11.9	2 244.9	2 015.7	11.4	23.4	23.5	-.4
Vacuum	14.7	N	N	224.1	N	N	15.2	N	N
Van, basic enclosed	583.1	399.2	46.0	11 271.0	9 170.3	22.9	19.3	23.0	-15.8
Van, insulated nonrefrigerated	18.9	10.4	81.7	335.1	228.1	46.9	17.7	21.9	-19.1
Van, insulated refrigerated	86.3	77.8	10.9	2 094.4	2 026.3	3.4	24.3	26.0	-6.8
Van, open top	151.7	244.2	-37.9	442.1	876.1	-49.5	2.9	3.6	-18.8
Van, step, walk-in, or multistop	413.1	557.9	-26.0	6 835.6	9 257.2	-26.2	16.5	16.6	-.3
Van, other	69.0	N	N	940.9	N	N	13.6	N	N
Other	1.1	N	N	S	N	N	S	N	N
Truck-tractors	1 421.9	1 543.8	-7.9	90 170.2	101 124.9	-10.8	63.4	65.5	-3.2
Automobile carrier	12.8	10.8	18.6	894.5	753.0	18.8	69.8	69.7	.1
Beverage	33.6	29.2	15.3	636.1	630.8	.8	18.9	21.6	-12.5
Curtainside	3.5	N	N	272.1	N	N	77.5	N	N
Dump	129.2	96.5	33.9	5 258.9	4 505.2	16.7	40.7	46.7	-12.8
Flatbed, stake, or platform	193.5	233.5	-17.1	9 576.0	13 264.8	-27.8	49.5	56.8	-12.9
Livestock	15.3	14.7	3.7	729.4	865.7	-15.7	47.7	58.8	-18.8
Low boy	57.7	85.0	-32.1	1 525.5	2 317.8	-34.2	26.5	27.3	-3.0
Mobile home toter	4.9	N	N	136.0	N	N	28.0	N	N
Open top	64.0	75.6	-15.4	2 208.8	2 929.4	-24.6	34.5	38.7	-10.8
Pole, logging, pulpwood, or pipe	21.7	33.3	-34.8	1 106.9	1 677.8	-34.0	50.9	50.3	1.1
Tank, dry bulk	28.3	24.2	17.0	1 855.6	1 661.8	11.7	65.6	68.7	-4.5
Tank, liquids or gases	80.6	84.2	-4.3	5 565.1	6 046.0	-8.0	69.0	71.8	-3.8
Van, basic enclosed	592.6	609.7	-2.8	47 381.8	46 679.8	1.5	80.0	76.6	4.4
Van, drop-frame	14.0	32.1	-56.4	917.1	1 856.6	-50.6	65.6	57.9	13.4
Van, insulated nonrefrigerated	14.9	24.1	-38.2	1 341.0	2 347.7	-42.9	90.1	97.4	-7.5
Van, insulated refrigerated	120.4	156.1	-22.9	10 742.1	14 336.7	-25.1	89.2	91.8	-2.9
Other	1.3	N	N	23.1	N	N	17.9	N	N
Not applicable ³	33.7	N	N	S	N	N	S	N	N
ANNUAL MILES									
Less than 5,000	14 071.6	12 071.7	16.6	28 808.3	25 234.8	14.2	2.0	2.1	-2.1
5,000 to 9,999	17 093.3	13 465.5	26.9	121 794.6	93 905.8	29.7	7.1	7.0	2.2
10,000 to 19,999	37 362.8	29 974.6	24.6	494 022.3	399 709.8	23.6	13.2	13.3	-.8
20,000 to 29,999	9 349.8	10 198.5	-8.3	209 195.6	229 682.3	-8.9	22.4	22.5	-.7
30,000 to 49,999	3 662.6	4 349.9	-15.8	127 078.7	151 776.4	-16.3	34.7	34.9	-.6
50,000 to 74,999	961.5	951.3	1.1	55 029.7	54 517.7	.9	57.2	57.3	-.1
75,000 or more	695.2	815.5	-14.7	77 037.4	89 411.3	-13.8	110.8	109.6	1.1
Not applicable ²	1 978.0	973.4	103.2	1 761.4	V	N	.9	V	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
PRIMARY RANGE OF OPERATION									
Off-the-road	1 040.8	2 852.8	-63.5	10 123.4	26 180.8	-61.3	9.7	9.2	6.0
50 miles or less	58 076.1	52 815.7	10.0	705 948.5	657 763.8	7.3	12.2	12.5	-2.4
51 to 100 miles	7 411.7	9 400.2	-21.2	120 933.5	172 749.2	-30.0	16.3	18.4	-11.2
101 to 200 miles	2 136.3	2 977.7	-28.3	42 499.6	68 171.9	-37.7	19.9	22.9	-13.1
201 to 500 miles	1 142.6	1 806.7	-36.8	32 482.5	53 373.5	-39.1	28.4	29.5	-3.8
501 miles or more	1 411.2	1 974.0	-28.5	42 015.3	65 998.7	-36.3	29.8	33.4	-11.0
Not reported	11 977.9	973.4	1 130.6	158 963.9	V	N	13.3	V	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N
PRIMARY JURISDICTION									
Operated in Canada	18.9	N	N	313.5	N	N	16.6	N	N
Operated in Mexico	S	N	N	S	N	N	S	N	N
Operated within the home base state	71 871.1	N	N	930 033.4	N	N	12.9	N	N
Operated in states other than the home base state	1 902.8	N	N	61 687.4	N	N	32.4	N	N
Not reported	9 360.3	N	N	119 815.4	N	N	12.8	N	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N
MONTHS OPERATED									
12	59 689.6	N	N	862 979.6	N	N	14.5	N	N
7 to 11	11 537.7	N	N	157 537.0	N	N	13.7	N	N
2 to 6	9 585.8	N	N	86 156.8	N	N	9.0	N	N
1 or less	2 383.7	N	N	6 293.2	N	N	2.6	N	N
Vehicle not used	1 978.0	N	N	1 761.4	N	N	.9	N	N
VEHICLE SIZE									
Light	79 759.6	68 100.0	17.1	969 104.3	896 362.1	8.1	12.2	13.2	-7.7
Medium	1 914.0	1 435.6	33.3	26 255.6	19 815.8	32.5	13.7	13.8	-6
Light-heavy	910.3	729.3	24.8	11 765.7	10 129.4	16.2	12.9	13.9	-6.9
Heavy-heavy	2 590.9	2 535.6	2.2	107 602.4	117 930.8	-8.8	41.5	46.5	-10.7
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	62 617.3	62 798.4	-3	741 532.5	821 915.4	-9.8	11.8	13.1	-9.5
6,001 to 8,500	14 351.6	N	N	188 475.9	N	N	13.1	N	N
8,501 to 10,000	2 790.7	N	N	39 095.8	N	N	14.0	N	N
10,001 to 14,000	1 142.1	818.9	39.5	15 186.1	11 502.0	32.0	13.3	14.0	-5.3
14,001 to 16,000	395.9	315.9	25.3	5 908.3	3 951.4	49.5	14.9	12.5	19.3
16,001 to 19,500	376.1	300.8	25.0	5 161.2	4 362.4	18.3	13.7	14.5	-5.4
19,501 to 26,000	910.3	729.3	24.8	11 765.7	10 129.4	16.2	12.9	13.9	-6.9
26,001 to 33,000	436.8	427.7	2.1	5 845.4	7 092.5	-17.6	13.4	16.6	-19.3
33,001 to 40,000	228.8	256.7	-10.9	3 769.6	6 594.1	-42.8	16.5	25.7	-35.9
40,001 to 50,000	318.4	399.9	-20.4	6 697.6	13 078.2	-48.8	21.0	32.7	-35.7
50,001 to 60,000	326.6	311.4	4.9	8 950.4	12 652.6	-29.3	27.4	40.6	-32.5
60,001 to 80,000	1 178.7	1 069.8	10.2	77 489.4	74 723.6	3.7	65.7	69.9	-5.9
80,001 to 100,000	68.9	46.3	48.9	2 949.8	2 427.0	21.5	42.8	52.5	-18.4
100,001 to 130,000	26.4	17.9	47.1	1 571.1	1 051.0	49.5	59.6	58.6	1.6
130,001 or more	6.3	5.9	5.8	329.1	311.8	5.5	52.3	52.5	-3
TOTAL LENGTH (FEET)									
Less than 20.0	72 155.3	67 826.7	6.4	865 812.7	894 156.4	-3.2	12.0	13.2	-9.0
20.0 to 27.9	7 634.7	2 032.1	275.7	101 006.5	25 530.3	295.6	13.2	12.6	5.3
28.0 to 35.9	2 680.7	1 129.9	137.2	39 685.1	18 152.1	118.6	14.8	16.1	-7.8
36.0 to 40.9	866.4	174.5	396.6	13 676.0	3 203.7	326.9	15.8	18.4	-14.0
41.0 to 44.9	261.1	97.5	167.8	4 322.8	2 004.8	115.6	16.6	20.6	-19.5
45.0 to 49.9	241.7	96.0	151.8	5 118.2	2 656.6	92.7	21.2	27.7	-23.5
50.0 to 54.9	201.8	138.6	45.7	5 414.1	5 036.8	7.5	26.8	36.4	-26.2
55.0 to 59.9	233.0	336.7	-30.8	10 063.2	17 738.2	-43.3	43.2	52.7	-18.0
60.0 to 64.9	301.6	417.3	-27.7	17 561.5	28 469.3	-38.3	58.2	68.2	-14.7
65.0 to 69.9	273.3	303.8	-10.0	21 406.1	25 422.4	-15.8	78.3	83.7	-6.4
70.0 to 74.9	217.2	156.4	38.9	20 632.7	14 110.3	46.2	95.0	90.2	5.3
75.0 to 79.9	92.1	N	N	8 955.8	N	N	97.3	N	N
80.0 or more	15.7	N	N	1 073.3	N	N	68.2	N	N
MILES PER GALLON									
Less than 5	481.4	582.4	-17.3	11 005.3	14 865.2	-26.0	22.9	25.5	-10.4
5 to 6.9	1 625.8	1 908.1	-14.8	69 007.1	85 015.4	-18.8	42.4	44.6	-4.7
7 to 8.9	1 364.3	1 391.1	-1.9	21 890.1	25 757.6	-15.0	16.0	18.5	-13.3
9 to 10.9	4 239.4	5 001.4	-15.2	46 779.4	56 385.7	-17.0	11.0	11.3	-2.1
11 to 12.9	6 047.0	8 207.2	-26.3	66 832.6	95 166.7	-29.8	11.1	11.6	-4.7
13 to 14.9	7 031.8	9 353.3	-24.8	89 499.0	118 154.9	-24.3	12.7	12.9	.8
15 or more	48 486.7	45 547.5	6.5	629 026.3	637 416.9	-1.3	13.0	14.0	-7.3
15 to 20.9	38 065.4	34 649.1	9.9	494 122.2	483 885.2	2.1	13.0	14.0	-7.0
21 to 24.9	6 623.6	8 529.2	-22.3	87 864.7	121 513.4	-27.7	13.3	14.2	-6.9
25 or more	3 797.7	2 369.2	60.3	47 039.4	32 018.3	46.9	12.4	13.5	-8.3
Not reported	13 920.3	809.4	1 619.8	178 926.9	11 475.6	1 459.2	12.9	14.2	-9.3
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	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	94.0	N	N	2 605.9	N	N	27.7	N	N
2002	4 982.6	N	N	76 980.1	N	N	15.4	N	N
2001	7 456.4	N	N	126 047.8	N	N	16.9	N	N
2000	8 179.5	N	N	141 768.8	N	N	17.3	N	N
1999	7 016.5	N	N	119 130.6	N	N	17.0	N	N
1998	6 363.2	S	S	102 522.3	S	S	16.1	S	S
1997	5 727.0	4 711.0	21.6	88 884.8	81 967.5	8.4	15.5	17.4	-10.8
1996	4 757.5	5 655.7	-15.9	70 503.7	108 760.2	-35.2	14.8	19.2	-22.9
1995	5 247.7	6 007.6	-12.6	71 863.6	119 211.8	-39.7	13.7	19.8	-31.0
1994	4 479.4	5 699.8	-21.4	58 481.2	102 192.1	-42.8	13.1	17.9	-27.2
1993	4 078.2	5 028.9	-18.9	46 451.2	87 956.5	-47.2	11.4	17.5	-34.9
Pre-1993	26 792.8	45 504.5	-41.1	209 488.1	540 489.7	-61.2	7.8	11.9	-34.2
VEHICLE ACQUISITION									
New	37 979.5	30 053.0	26.4	561 446.0	472 820.3	18.7	14.8	15.7	-6.0
Used	41 378.6	37 834.6	9.4	473 940.8	472 456.2	.3	11.5	12.5	-8.3
Not reported	5 816.7	4 912.9	18.4	79 341.2	98 961.5	-19.8	13.6	20.1	-32.3
LEASE CHARACTERISTICS									
Leased	4 898.9	N	N	100 995.2	N	N	20.6	N	N
Lessee	3 871.4	N	N	73 358.7	N	N	18.9	N	N
Vehicle only	332.7	N	N	16 667.3	N	N	50.1	N	N
Vehicle with driver	19.5	N	N	1 748.1	N	N	89.4	N	N
Not reported	2.3	N	N	82.6	N	N	35.5	N	N
Not applicable ⁴	3 516.8	N	N	54 860.7	N	N	15.6	N	N
Lessor	653.8	N	N	22 281.4	N	N	34.1	N	N
Vehicle only	267.3	N	N	13 804.4	N	N	51.6	N	N
Vehicle with driver	35.3	N	N	2 657.2	N	N	75.4	N	N
Not reported	3.3	N	N	149.3	N	N	45.7	N	N
Not applicable ⁴	348.0	N	N	5 670.6	N	N	16.3	N	N
Not leased	373.6	N	N	5 355.0	N	N	14.3	N	N
Not reported	45 730.1	N	N	591 796.8	N	N	12.9	N	N
Not reported	34 545.8	N	N	421 936.1	N	N	12.2	N	N
Length of leasing agreement:									
Leased	4 898.9	N	N	100 995.2	N	N	20.6	N	N
1 to 11 months	43.0	N	N	2 179.1	N	N	50.6	N	N
12 months or more	618.8	N	N	33 027.8	N	N	53.4	N	N
Not reported	13.7	N	N	554.7	N	N	40.4	N	N
Not applicable ⁴	4 223.3	N	N	65 233.5	N	N	15.4	N	N
Provisions of lease ⁵ :									
Financing only	408.9	N	N	20 602.6	N	N	50.4	N	N
Full maintenance	232.7	N	N	11 813.0	N	N	50.8	N	N
Payment of taxes	267.1	N	N	13 660.5	N	N	51.1	N	N
Obtaining licenses and permits	267.7	N	N	14 408.6	N	N	53.8	N	N
Recordkeeping	148.0	N	N	8 125.2	N	N	54.9	N	N
Fuel contract	72.4	N	N	4 143.2	N	N	57.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	15 268.1	N	N	239 426.5	N	N	15.7	N	N
Motor carrier	1 160.2	N	N	62 059.9	N	N	53.5	N	N
Owner operator	545.7	N	N	24 402.0	N	N	44.7	N	N
Rental	879.3	N	N	20 434.0	N	N	23.2	N	N
Personal transportation	65 343.5	N	N	766 644.3	N	N	11.7	N	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N
For-hire characteristics:									
Type of carrier:									
Contract	602.4	N	N	41 703.7	N	N	69.2	N	N
Common	536.4	N	N	28 065.2	N	N	52.3	N	N
Not reported	193.3	N	N	7 445.6	N	N	38.5	N	N
Not applicable ⁶	83 842.7	N	N	1 037 513.5	N	N	12.4	N	N
Type of service:									
Truckload	792.6	579.8	36.7	55 846.8	46 815.7	19.3	70.5	80.7	-12.7
Less-than truckload	350.1	283.2	23.6	14 289.3	16 472.1	-13.3	40.8	58.2	-29.8
Not reported	189.3	N	N	7 078.0	N	N	37.4	N	N
Not applicable ⁶	83 842.8	N	N	1 037 513.9	N	N	12.4	N	N
Source of hauls:									
Shippers or receivers	899.2	N	N	57 610.6	N	N	64.1	N	N
Brokers	92.1	N	N	6 501.9	N	N	70.6	N	N
Centralized markets or exchanges	24.1	N	N	1 042.7	N	N	43.3	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	316.7	N	N	12 059.2	N	N	38.1	N	N
Not applicable ⁶	83 842.7	N	N	1 037 513.5	N	N	12.4	N	N
HAZARDOUS MATERIALS CARRIED⁷									
Carrying hazardous materials	366.1	403.3	-9.2	23 361.8	24 787.8	-5.8	63.8	61.5	3.8
Not carrying hazardous materials	3 873.5	4 436.3	-12.7	92 985.6	113 140.7	-17.8	24.0	25.5	-5.9
Not reported	681.1	1 214.2	-43.9	17 261.5	23 202.8	-25.6	25.3	19.1	32.6
Not applicable ⁸	80 254.0	N	N	981 119.1	N	N	12.2	N	N
EQUIPMENT TYPE^{5 9}									
Aerial work platform/bucket	166.0	N	N	1 514.3	N	N	9.1	N	N
Air bag(s) (safety device only)	47 019.2	17 904.6	162.6	687 147.0	305 743.7	124.7	14.6	17.1	-14.4
Air compressor (except air brakes)	353.0	N	N	15 299.2	N	N	43.3	N	N
Air-conditioning	67 211.6	50 859.6	32.2	952 431.2	807 349.2	18.0	14.2	15.9	-10.7
Air springs	671.0	N	N	45 806.8	N	N	68.3	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 (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
EQUIPMENT TYPE^{5 9}—Con.									
Antilock brake system	48 730.0	29 692.9	64.1	732 169.5	489 497.5	49.6	15.0	16.5	-8.9
Collision warning system	64.5	N	N	2 553.2	N	N	39.6	N	N
Computerized drive train control unit	10 060.8	N	N	151 461.7	N	N	15.1	N	N
Crane	107.4	N	N	1 522.8	N	N	14.2	N	N
Electronic vehicle identification device	146.0	147.9	-1.3	13 188.0	13 134.2	.4	90.3	88.8	1.7
Engine retarder/brake	951.5	831.5	14.4	58 553.7	55 246.9	6.0	61.5	66.4	-7.4
Front-wheel drive	32 354.1	13 474.8	140.1	405 069.9	190 644.1	112.5	12.5	14.1	-11.5
Hoist	619.4	N	N	5 423.4	N	N	8.8	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	184.1	N	N	12 561.3	N	N	68.2	N	N
Internet access	15.6	N	N	1 262.8	N	N	81.2	N	N
Lift gate	302.8	N	N	5 364.5	N	N	17.7	N	N
Mounting bar for snowplow	1 066.9	N	N	11 441.3	N	N	10.7	N	N
Navigational system	20.9	64.9	-67.8	1 628.2	5 769.0	-71.8	77.8	88.8	-12.4
Power take-off	1 389.9	N	N	26 861.0	N	N	19.3	N	N
Radial tires	53 952.1	57 902.8	-6.8	734 855.7	866 739.3	-15.2	13.6	15.0	-9.0
Reflective material in addition to those required by law	725.2	1 182.8	-38.7	24 333.9	50 556.7	-51.9	33.6	42.7	-21.5
Road speed governor	1 397.7	1 451.5	-3.7	66 666.2	71 639.0	-6.9	47.7	49.4	-3.4
Toolbox	8 386.8	N	N	129 942.8	N	N	15.5	N	N
Trip recorder or on-board computer with communication capabilities	3 305.5	N	N	66 964.4	N	N	20.3	N	N
Trip recorder or on-board computer without communication capabilities	13 338.8	N	N	188 654.5	N	N	14.1	N	N
Vehicle control aids for handicapped drivers	153.4	134.8	13.8	1 540.0	2 400.8	-35.9	10.0	17.8	-43.6
Wheelchair lift	246.6	161.8	52.4	1 984.6	2 158.6	-8.1	8.0	13.3	-39.7
Winch	770.6	N	N	9 266.1	N	N	12.0	N	N
Transmission type:									
Automatic	63 022.3	N	N	800 969.4	N	N	12.7	N	N
Manual	18 186.6	N	N	256 280.1	N	N	14.1	N	N
Semiautomated manual	104.5	N	N	2 353.0	N	N	22.5	N	N
Automated manual	109.8	N	N	1 995.9	N	N	18.2	N	N
Not reported	3 751.4	N	N	53 129.7	N	N	14.2	N	N
Braking system:									
Hydraulic (standard)	1 501.7	1 252.5	19.9	18 808.6	13 993.6	34.4	12.5	11.2	12.1
Hydraulic with power assist	1 189.1	1 453.7	-18.2	14 808.3	19 230.7	-23.0	12.5	13.2	-5.9
Air	2 307.3	2 457.4	-6.1	96 707.6	112 646.0	-14.1	41.9	45.8	-8.6
Other	V	78.7	N	V	1 018.1	N	V	12.9	N
Not reported	522.4	N	N	14 847.9	N	N	28.4	N	N
Not applicable ¹⁰	79 654.3	N	N	969 555.5	N	N	12.2	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	76 334.6	67 452.7	13.2	936 146.5	876 746.7	6.8	12.3	13.0	-5.6
Diesel	6 125.4	4 913.4	24.7	167 407.2	162 994.7	2.7	27.3	33.2	-17.6
Natural gas	74.8	N	N	979.0	N	N	13.1	N	N
Propane	48.3	N	N	575.9	N	N	11.9	N	N
Alcohol fuels	141.1	N	N	1 560.2	N	N	11.1	N	N
Electricity	S	N	N	S	N	N	S	N	N
Combination	379.2	N	N	5 080.3	N	N	13.4	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	93.3	N	N	1 217.5	N	N	13.1	N	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N
Cylinders ¹¹ :									
4 cylinders	11 338.9	11 040.5	2.7	127 973.3	147 961.6	-13.5	11.3	13.4	-15.8
6 cylinders	40 872.7	32 365.4	26.3	596 047.2	543 950.9	9.6	14.6	16.8	-13.2
8 cylinders	31 489.9	27 067.2	16.3	379 361.3	335 182.4	13.2	12.0	12.4	-2.7
Other	1 473.3	2 327.3	-36.7	11 346.1	17 143.1	-33.8	7.7	7.4	4.6
Cubic inch displacement ¹¹ :									
Gasoline fuel:									
Less than 200	19 844.1	20 016.8	-9	233 334.4	271 229.2	-14.0	11.8	13.6	-13.2
200 to 299	28 727.0	17 628.6	63.0	388 620.3	259 373.6	49.8	13.5	14.7	-8.1
300 to 349	12 502.9	11 834.5	5.6	149 604.2	148 763.9	.6	12.0	12.6	-4.8
350 to 399	11 503.0	12 959.6	-11.2	133 757.0	160 697.7	-16.8	11.6	12.4	-6.2
400 or more	2 452.6	2 211.3	10.9	24 900.5	23 020.9	8.2	10.2	10.4	-2.5
Not available	1 305.0	2 802.0	-53.4	5 930.3	13 661.5	-56.6	4.5	4.9	-6.8
Diesel fuel:									
Less than 400	6 125.4	4 913.4	24.7	167 407.2	162 994.7	2.7	27.3	33.2	-17.6
400 to 599	1 498.8	1 283.3	16.8	21 974.7	22 297.0	-1.4	14.7	17.4	-15.6
600 to 799	2 703.3	1 570.8	72.1	46 852.3	30 963.3	51.3	17.3	19.7	-12.1
800 or more	920.8	759.9	21.2	52 169.5	44 584.2	17.0	56.7	58.7	-3.4
Not available	629.6	742.8	-15.2	32 836.0	48 060.0	-31.7	52.2	64.7	-19.4
Other fuel	372.9	556.5	-33.0	13 574.6	17 090.2	-20.6	36.4	30.7	18.5
Other fuel:									
Less than 400	643.5	241.1	166.9	8 195.4	2 791.3	193.6	11.6	11.6	10.0
400 or more	587.8	178.8	228.8	7 586.4	1 999.4	279.4	12.9	11.2	15.4
Not available	46.9	36.5	28.7	580.1	708.7	-18.1	12.9	19.4	-36.4
Not applicable ²	8.8	25.9	-66.0	28.9	83.2	-65.2	3.3	3.2	2.3
Not reported	93.3	N	N	1 217.5	N	N	13.1	N	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N
REFUELING LOCATION									
Gas station	74 469.5	N	N	929 925.6	N	N	12.5	N	N
Truck stop	1 427.5	N	N	62 738.0	N	N	44.0	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	2 941.7	N	N	60 383.5	N	N	20.5	N	N
Other company's/contractor's facility not open to the public	401.6	N	N	8 667.2	N	N	21.6	N	N
Other	37.2	N	N	421.6	N	N	11.3	N	N
Not reported	3 919.4	N	N	50 830.8	N	N	13.0	N	N
Not applicable ²	1 978.0	N	N	1 761.4	N	N	.9	N	N

See footnotes at end of table.

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

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	A	B	C	D	E	F	G	H	I
MAINTENANCE⁵									
General maintenance performed by:									
None performed	1 931.2	791.2	144.1	15 079.6	8 469.8	78.0	7.8	10.7	-27.1
Company-owned maintenance facility	7 079.0	5 012.3	41.2	154 498.0	126 893.4	21.8	21.8	25.3	-13.8
General repair business or private mechanic	35 240.8	25 368.6	38.9	496 550.5	375 862.6	32.1	14.1	14.8	-4.9
Dealership service department	20 763.5	16 051.8	29.4	298 912.2	244 182.4	22.4	14.4	15.2	-5.4
Leasing company	178.8	402.7	-55.6	4 464.6	10 966.1	-59.3	25.0	27.2	-8.3
Individual not employed/paid by any maintenance type facility									
Other	29 909.6	35 010.0	-14.6	346 395.8	450 496.8	-23.1	11.6	12.9	-10.0
Not reported	V	583.7	N	V	8 168.6	N	V	14.0	N
Not applicable ²	4 118.5	3 195.4	28.9	54 245.1	44 791.5	21.1	13.2	14.0	-6.0
Extensive repairs performed by:									
None performed	65 555.5	3 945.5	1 561.5	858 631.1	51 607.1	1 563.8	13.1	13.1	.1
Company-owned maintenance facility	1 055.5	2 370.4	-55.5	22 141.2	58 768.1	-62.3	21.0	24.8	-15.4
General repair business or private mechanic	5 782.8	14 105.0	-59.0	86 267.8	204 013.3	-57.7	14.9	14.5	3.1
Dealership service department	3 587.7	10 178.8	-64.8	61 277.4	181 013.8	-66.1	17.1	17.8	-4.0
Leasing company	37.7	236.3	-84.0	987.0	6 646.1	-85.1	26.2	28.1	-7.0
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	309.1	1 504.6	-79.5	6 180.9	34 203.7	-81.9	20.0	22.7	-12.0
Other	3 573.3	6 305.1	-43.3	38 970.3	66 913.4	-41.8	10.9	10.6	2.8
Not reported	V	304.9	N	V	4 143.2	N	V	13.6	N
Not applicable ²	190.2	36 608.3	-99.5	2 679.6	491 078.4	-99.5	14.1	13.4	5.0
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles	82 084.0	70 312.4	16.7	1 002 652.1	929 380.5	7.9	12.2	13.2	-7.6
3 axles	81 476.2	69 726.2	16.9	992 916.9	919 233.9	8.0	12.2	13.2	-7.6
4 axles	467.7	475.0	-1.5	6 784.7	7 186.9	-5.6	14.5	15.1	-4.1
5 axles or more	102.0	111.2	-8.3	2 303.5	2 959.7	-22.2	22.6	26.6	-15.1
Not reported	22.3	N	N	547.4	N	N	24.5	N	N
Combinations	15.8	V	N	99.6	V	N	6.3	V	N
Combinations									
Single-unit trucks with trailer	3 090.8	2 488.0	24.2	112 075.9	114 857.5	-2.4	36.3	46.2	-21.5
3 axles	1 702.5	944.3	80.3	21 905.7	13 732.7	59.5	12.9	14.5	-11.5
4 axles	522.8	288.9	80.9	6 550.0	4 129.7	58.6	12.5	14.3	-12.3
5 axles or more	1 039.1	558.9	85.9	12 549.8	7 191.3	74.5	12.1	12.9	-6.1
Not reported	95.7	96.4	-7	2 103.8	2 411.6	-12.8	22.0	25.0	-12.1
Truck-tractors with single trailer	44.9	N	N	702.0	N	N	15.6	N	N
3 axles	1 320.1	1 438.2	-8.2	84 307.7	92 221.6	-8.6	63.9	64.1	-4
4 axles	61.3	78.0	-21.4	1 404.5	2 183.2	-35.7	22.9	28.0	-18.1
5 axles or more	127.9	211.7	-39.6	4 594.3	8 808.8	-47.8	35.9	41.6	-13.6
Not reported	1 034.5	1 148.5	-9.9	73 112.2	81 229.5	-10.0	70.7	70.7	-1
Truck-tractors with double trailers	96.4	N	N	5 196.7	N	N	53.9	N	N
5 axles	66.6	101.0	-34.0	5 617.4	8 466.7	-33.7	84.3	83.8	.6
6 axles	38.9	56.3	-30.9	3 558.0	4 730.3	-24.8	91.5	84.1	8.9
7 axles	10.8	24.0	-55.2	934.7	2 239.3	-58.3	86.9	93.3	-6.8
8 axles or more	5.3	11.0	-52.1	313.5	787.9	-60.2	59.6	71.7	-16.9
Not reported	9.5	9.8	-3.0	664.9	709.2	-6.3	70.2	72.6	-3.4
Truck-tractors with triple trailers	2.3	N	N	146.3	N	N	64.8	N	N
7 axles	1.5	4.5	-65.6	245.1	436.6	-43.9	158.6	97.1	63.3
8 axles	1.2	S	S	220.1	S	S	189.4	S	S
9 axles	S	3.0	S	S	302.6	S	S	99.9	S
10 axles or more	S	1.2	S	S	111.7	S	S	95.1	S
Not reported	S	S	S	S	S	S	S	S	S
Driving axles:									
1	50 863.9	46 828.7	8.6	617 333.0	625 512.9	-1.3	12.1	13.4	-9.1
2	34 261.6	25 909.8	32.2	496 730.2	415 145.3	19.7	14.5	16.0	-9.5
3 or more	22.8	62.0	-63.3	376.0	3 579.8	-89.5	16.5	57.8	-71.4
Not reported	26.5	V	N	288.8	V	N	10.9	V	N
Total liftable axles and locations ¹² :									
None	5 292.6	1 998.7	164.8	139 553.4	58 899.8	136.9	26.4	29.5	-10.5
1	175.0	140.3	24.8	4 451.5	3 651.4	21.9	25.4	26.0	-2.3
Forward of the drive axle	103.7	N	N	2 976.9	N	N	28.7	N	N
Below the chassis	30.6	N	N	588.4	N	N	19.2	N	N
Beyond the chassis	14.1	N	N	234.1	N	N	16.6	N	N
Not reported	26.6	N	N	652.2	N	N	24.5	N	N
2 or more	25.2	34.4	-26.7	651.5	774.6	-15.9	25.9	22.5	14.7
Forward of the drive axle	21.6	N	N	527.8	N	N	24.5	N	N
Below the chassis	9.4	N	N	235.6	N	N	24.9	N	N
Beyond the chassis	6.9	N	N	129.6	N	N	18.8	N	N
Not reported	1.2	N	N	32.7	N	N	28.1	N	N
Not applicable ¹⁰	27.7	N	N	516.2	N	N	18.6	N	N
Total liftable axles and number of braking axles:									
None	5 292.6	1 998.7	164.8	139 553.4	58 899.8	136.9	26.4	29.5	-10.5
1	175.0	140.3	24.8	4 451.5	3 651.4	21.9	25.4	26.0	-2.3
0 braking	25.3	N	N	576.7	N	N	22.8	N	N
1 braking	140.5	N	N	3 687.4	N	N	26.2	N	N
Not reported	9.2	N	N	187.4	N	N	20.3	N	N
2 or more	25.2	34.4	-26.7	651.5	774.6	-15.9	25.9	22.5	14.7
0 braking .....	.9	N	N	18.9	N	N	21.6	N	N
1 braking .....	.9	N	N	26.0	N	N	27.8	N	N
2 or more braking	22.6	N	N	583.4	N	N	25.8	N	N
Not reported .....	.8	N	N	23.1	N	N	29.6	N	N
Not applicable ¹⁰	27.7	N	N	516.2	N	N	18.6	N	N
Total liftable axles and number of braking axles:	79 654.3	N	N	969 555.5	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	4 878.7	4 240.5	15.1	127 623.2	124 168.8	2.8	26.2	29.3	-10.7
With sleeper	568.6	N	N	49 177.6	N	N	86.5	N	N
Without sleeper	4 220.0	N	N	72 741.0	N	N	17.2	N	N
Not reported	90.2	N	N	5 704.7	N	N	63.2	N	N
Cab over engine	603.7	705.8	-14.5	17 088.5	19 006.7	-10.1	28.3	26.9	5.1
With sleeper	109.0	N	N	7 042.5	N	N	64.6	N	N
Without sleeper	479.6	N	N	8 994.1	N	N	18.8	N	N
Not reported	15.1	N	N	1 051.9	N	N	69.7	N	N
Cab forward of engine	17.4	181.5	-90.4	284.3	3 335.9	-91.5	16.3	18.4	-11.1
Cab beside engine	9.3	37.6	-75.2	101.0	531.5	-81.0	10.9	14.2	-23.3
Not reported	11.4	N	N	75.4	N	N	6.6	N	N
Not applicable ¹⁰	79 654.3	N	N	969 555.5	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 .....	.2	.2	.3	.6	.6	.9	.6	.6	.7
BUSINESS									
For-hire transportation or warehousing	3.4	2.4	5.0	2.2	1.4	2.6	2.2	1.8	2.3
Vehicle leasing or rental	7.8	8.2	18.0	6.3	7.6	14.4	3.5	2.7	4.0
Agriculture, forestry, fishing, or hunting	3.7	2.7	2.8	5.8	3.5	3.8	3.8	2.4	4.2
Mining	11.4	11.1	11.3	10.6	10.0	10.7	5.8	9.3	11.3
Utilities	8.3	8.0	11.7	9.3	8.5	13.7	5.5	4.6	7.6
Construction	3.3	2.5	3.1	4.2	3.3	3.7	2.3	1.8	2.7
Manufacturing	8.5	5.4	10.8	9.2	5.2	9.6	5.2	3.6	5.3
Wholesale trade	7.5	5.0	5.2	8.0	4.7	4.9	5.2	2.5	5.2
Retail trade	5.7	4.4	4.9	5.3	4.5	4.8	3.2	2.5	4.0
Information services	14.2	N	N	16.7	N	N	9.3	N	N
Waste management, landscaping, or administrative/support services	7.7	N	N	8.5	N	N	5.0	N	N
Arts, entertainment, or recreation services	17.6	N	N	19.8	N	N	13.3	N	N
Accommodation or food services	12.8	N	N	11.8	N	N	6.4	N	N
Other services	5.3	N	N	6.6	N	N	3.6	N	N
Personal transportation .....	.5	.5	.9	.8	.9	1.5	.7	.7	1.0
Not reported	6.6	N	N	7.3	N	N	4.8	N	N
Not applicable ¹	5.7	6.5	14.2	13.8	14.7	150.4	13.3	15.0	90.1
BODY TYPE									
Single-unit trucks .....	.2	.2	.3	.7	.7	1.0	.6	.6	.8
Pickup .....	.3	.3	.5	1.1	1.1	1.5	1.1	1.0	1.4
Minivan	2.0	1.9	3.4	2.5	2.3	3.7	1.6	1.3	1.8
Other light vans	3.3	2.7	4.0	4.6	3.6	4.9	3.1	2.5	3.5
Sport utility	1.1	1.3	2.7	1.5	1.7	3.3	1.0	1.1	1.4
Armored	38.4	N	N	33.6	N	N	9.5	N	N
Beverage	7.1	9.5	12.0	7.8	10.5	12.4	4.2	5.9	6.8
Concrete mixer	3.2	3.4	5.0	4.2	3.9	6.3	2.5	1.9	3.2
Concrete pumper	12.8	N	N	19.1	N	N	12.1	N	N
Crane	9.5	6.1	3.8	16.7	7.7	3.3	13.2	7.0	7.9
Curtainside	15.8	N	N	19.8	N	N	13.9	N	N
Dump	1.5	1.8	2.9	2.2	2.3	3.4	1.9	2.0	2.3
Flatbed, stake, or platform	1.5	1.4	1.5	2.4	2.3	2.5	2.1	1.9	2.7
Low boy	18.6	8.8	2.8	26.9	13.5	1.6	21.6	9.1	9.1
Pole, logging, pulpwood, or pipe	6.5	7.3	7.9	8.8	10.1	10.9	7.4	7.6	10.7
Service, utility	2.8	4.2	8.7	4.2	5.5	13.4	2.9	3.5	5.1
Service, other	3.1	4.5	7.2	4.2	5.2	10.2	2.8	3.8	5.4
Street sweeper	16.0	N	N	15.5	N	N	12.3	N	N
Tank, dry bulk	6.6	9.7	19.7	12.3	12.5	17.5	10.6	9.8	8.6
Tank, liquids or gases	3.0	3.4	4.6	4.4	5.2	5.7	3.3	4.0	4.3
Tow/Wrecker	4.8	5.1	8.0	7.2	7.0	11.9	6.0	5.5	8.4
Trash, garbage, or recycling	3.3	4.2	5.9	4.2	5.1	7.3	2.7	3.7	4.6
Vacuum	8.9	N	N	11.9	N	N	7.9	N	N
Van, basic enclosed	2.0	2.4	4.6	4.5	3.3	6.9	3.2	2.3	3.3
Van, insulated nonrefrigerated	9.7	16.6	35.0	13.4	17.5	32.5	10.6	13.8	14.1
Van, insulated refrigerated	4.8	5.6	8.2	5.9	6.6	9.1	3.1	3.9	4.7
Van, open top	2.6	2.4	2.2	6.2	5.6	4.2	5.5	5.2	6.1
Van, step, walk-in, or multistop	4.2	2.5	3.6	6.4	3.3	5.3	2.8	2.1	3.6
Van, other	5.5	N	N	7.6	N	N	5.0	N	N
Other	33.1	N	N	S	N	N	S	N	N
Truck-tractors .....	.5	.5	.7	.8	.7	.9	.7	.6	.8
Automobile carrier	9.7	9.8	16.4	11.1	10.7	18.3	5.5	6.0	8.2
Beverage	6.7	7.8	11.9	8.2	9.6	12.8	5.7	4.7	6.4
Curtainside	16.1	N	N	18.5	N	N	10.7	N	N
Dump	2.6	3.2	5.5	3.8	3.7	6.2	2.5	2.3	2.9
Flatbed, stake, or platform	2.3	2.0	2.5	3.1	2.3	2.8	2.0	1.5	2.2
Livestock	8.7	7.3	11.7	10.1	8.6	11.2	6.9	5.8	7.4
Low boy	3.8	3.3	3.4	6.5	5.7	5.7	4.9	4.6	6.5
Mobile home toter	13.5	N	N	22.3	N	N	17.1	N	N
Open top	3.2	3.2	3.8	5.5	4.6	5.4	4.0	3.3	4.6
Pole, logging, pulpwood, or pipe	5.5	4.9	4.8	7.4	5.5	6.1	4.2	3.4	5.5
Tank, dry bulk	6.1	6.5	10.4	7.8	7.2	11.9	4.5	3.5	5.4
Tank, liquids or gases	3.7	3.3	4.7	4.4	3.8	5.4	2.3	2.1	2.9
Van, basic enclosed	1.2	1.2	1.6	1.4	1.3	2.0	.9	.8	1.3
Van, drop-frame	9.8	5.4	4.9	13.1	6.8	7.3	8.7	4.0	10.9
Van, insulated nonrefrigerated	7.7	5.6	5.9	8.4	5.5	5.7	4.3	2.6	4.6
Van, insulated refrigerated	2.9	2.5	3.0	3.4	2.6	3.2	1.6	1.4	2.1
Other	22.0	N	N	27.2	N	N	25.7	N	N
Not applicable ²	5.8	N	N	S	N	N	S	N	N
ANNUAL MILES									
Less than 5,000	1.8	1.7	2.9	2.2	2.2	3.6	1.3	1.2	1.7
5,000 to 9,999	1.7	1.7	3.0	1.8	1.7	3.2	.4	.4	.6
10,000 to 19,999	1.0	1.0	1.7	1.0	1.0	1.8	.3	.3	.4
20,000 to 29,999	2.5	2.0	2.9	2.5	2.0	2.9	.3	.3	.4
30,000 to 49,999	3.8	3.2	4.2	3.9	3.2	4.2	.5	.5	.7
50,000 to 74,999	6.5	5.6	8.6	6.4	5.4	8.5	.9	.7	1.1
75,000 or more	3.1	3.0	3.7	2.8	2.8	3.4	.6	.6	.9
Not applicable ¹	5.7	7.6	19.3	13.8	N	N	13.3	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
PRIMARY RANGE OF OPERATION									
Off-the-road	7.2	3.8	3.0	9.7	5.9	4.4	7.2	4.2	8.9
50 miles or less .....	.6	.5	.9	.9	.8	1.3	.7	.7	.9
51 to 100 miles	2.7	2.0	2.7	3.1	2.5	2.8	1.8	1.7	2.2
101 to 200 miles	5.2	3.7	4.6	5.6	3.8	4.2	3.4	2.6	3.7
201 to 500 miles	6.4	4.6	5.0	5.7	3.4	4.0	4.7	2.7	5.2
501 miles or more	6.3	4.6	5.6	3.7	2.6	2.9	4.3	3.1	4.7
Not reported	2.1	7.6	97.5	2.4	N	N	1.4	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	N	N
PRIMARY JURISDICTION									
Operated in Canada	43.0	N	N	36.6	N	N	19.2	N	N
Operated in Mexico	S	N	N	S	N	N	S	N	N
Operated within the home base state .....	.4	N	N	.8	N	N	.6	N	N
Operated in states other than the home base state	4.7	N	N	2.6	N	N	3.1	N	N
Not reported	2.4	N	N	2.7	N	N	1.6	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	N	N
MONTHS OPERATED									
12 .....	.6	N	N	.8	N	N	.6	N	N
7 to 11	2.1	N	N	2.4	N	N	1.4	N	N
2 to 6	2.3	N	N	3.4	N	N	2.4	N	N
1 or less	4.5	N	N	9.7	N	N	8.6	N	N
Vehicle not used	5.7	N	N	13.8	N	N	13.3	N	N
VEHICLE SIZE									
Light .....	.2	.2	.3	.7	.7	1.1	.7	.7	.9
Medium	3.3	2.4	5.4	4.2	4.4	8.1	2.5	2.9	3.8
Light-heavy	2.2	1.7	3.5	2.6	2.9	4.6	2.3	2.3	3.1
Heavy-heavy .....	.5	.5	.7	.7	.6	.8	.7	.6	.8
AVERAGE WEIGHT (POUNDS)									
Less than 6,001 .....	.5	.3	.6	.9	.7	1.0	.7	.7	.9
6,001 to 8,500	1.9	N	N	2.5	N	N	1.5	N	N
8,501 to 10,000	4.4	N	N	6.3	N	N	3.9	N	N
10,001 to 14,000	4.4	3.7	8.0	5.5	6.4	11.1	3.0	3.9	4.6
14,001 to 16,000	6.6	3.5	9.4	8.7	4.8	14.9	5.6	3.3	7.8
16,001 to 19,500	7.7	4.4	11.1	10.0	10.2	16.9	6.4	7.7	9.5
19,501 to 26,000	2.2	1.7	3.5	2.6	2.9	4.6	2.3	2.3	3.1
26,001 to 33,000	2.1	2.1	3.1	3.3	3.6	4.0	2.5	2.7	3.0
33,001 to 40,000	2.5	2.3	3.1	4.3	3.1	3.1	3.7	2.5	2.9
40,001 to 50,000	1.9	1.6	2.0	3.1	2.4	2.0	2.6	1.9	2.1
50,001 to 60,000	1.6	1.7	2.5	3.3	2.4	2.9	2.7	1.7	2.1
60,001 to 80,000 .....	.6	.7	1.1	.9	.9	1.3	.7	.6	.9
80,001 to 100,000	3.4	3.4	7.1	4.5	4.2	7.5	2.9	2.5	3.1
100,001 to 130,000	4.7	5.1	10.2	7.3	6.4	14.5	4.8	3.7	6.2
130,001 or more	9.3	10.3	14.7	10.5	11.7	16.7	5.4	5.6	7.7
TOTAL LENGTH (FEET)									
Less than 20.0 .....	.4	.2	.4	.8	.7	1.0	.7	.7	.9
20.0 to 27.9	2.5	1.5	10.9	3.2	2.1	15.0	1.9	1.5	2.5
28.0 to 35.9	3.9	3.9	13.2	5.4	5.0	16.1	3.3	3.2	4.2
36.0 to 40.9	7.7	4.3	43.7	9.5	4.6	44.9	6.2	3.7	6.2
41.0 to 44.9	12.3	7.7	38.9	9.7	7.0	25.9	8.0	5.5	7.8
45.0 to 49.9	13.5	3.6	35.2	12.8	5.0	26.5	10.5	3.9	8.5
50.0 to 54.9	11.3	2.8	17.0	6.1	3.4	7.5	7.3	2.6	5.7
55.0 to 59.9	2.9	1.7	2.3	2.9	2.0	2.0	2.6	1.3	2.4
60.0 to 64.9	1.7	1.4	1.6	2.4	1.7	1.8	1.5	1.0	1.5
65.0 to 69.9	1.8	1.7	2.2	2.3	1.9	2.5	1.2	1.0	1.5
70.0 to 74.9	2.2	2.5	4.5	2.5	2.8	5.5	1.2	1.4	1.9
75.0 to 79.9	4.0	N	N	4.4	N	N	1.7	N	N
80.0 or more	7.2	N	N	11.5	N	N	7.5	N	N
MILES PER GALLON									
Less than 5	1.5	4.4	3.9	2.3	1.9	2.2	2.0	4.5	4.4
5 to 6.9	2.2	1.0	2.0	1.3	.9	1.3	1.8	1.0	2.0
7 to 8.9	3.7	2.3	4.3	4.1	2.5	4.1	3.4	2.2	3.5
9 to 10.9	3.5	2.6	3.7	4.9	3.6	5.0	3.4	2.6	4.2
11 to 12.9	3.1	2.3	2.9	4.2	3.1	3.7	2.7	2.2	3.4
13 to 14.9	2.9	2.1	2.7	3.6	2.7	3.4	2.1	1.7	2.7
15 or more .....	.8	.6	1.0	1.1	1.0	1.5	.8	.8	1.0
15 to 20.9	1.0	.8	1.4	1.3	1.2	1.8	.9	.9	1.2
21 to 24.9	3.0	2.3	2.9	3.6	2.9	3.3	2.0	1.7	2.5
25 or more	4.3	4.7	10.2	5.1	6.2	11.8	2.9	3.7	4.3
Not reported	1.9	4.0	76.8	2.2	3.1	59.2	1.3	4.6	4.3
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	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]

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
MODEL YEAR									
2003	26.9	N	N	12.0	N	N	20.2	N	N
2002	3.5	N	N	3.6	N	N	1.8	N	N
2001	2.9	N	N	3.0	N	N	1.5	N	N
2000	2.7	N	N	2.8	N	N	1.6	N	N
1999	2.9	N	N	3.0	N	N	1.5	N	N
1998	3.1	S	S	3.4	S	S	1.8	S	S
1997	3.2	3.1	5.4	3.6	2.9	5.0	2.0	1.7	2.3
1996	3.4	2.8	3.7	3.9	2.9	3.2	2.2	1.5	2.1
1995	3.3	2.5	3.6	3.6	2.9	2.8	2.0	1.8	1.8
1994	3.5	2.7	3.5	4.2	2.9	2.9	2.5	1.6	2.1
1993	4.0	3.0	4.0	4.4	3.2	2.9	2.5	1.7	2.0
Pre-1993	1.2	.6	.8	2.0	1.0	.9	1.5	.8	1.2
VEHICLE ACQUISITION									
New	1.0	1.0	1.7	1.2	1.2	2.0	.8	.8	1.1
Used .....	.9	.8	1.3	1.3	1.2	1.8	.9	.9	1.2
Not reported	3.1	3.0	5.1	3.5	2.7	3.5	1.9	1.4	1.6
LEASE CHARACTERISTICS									
Leased	3.4	N	N	3.0	N	N	1.8	N	N
Lessee	4.0	N	N	3.9	N	N	2.1	N	N
Vehicle only	2.1	N	N	2.7	N	N	2.0	N	N
Vehicle with driver	6.4	N	N	6.8	N	N	3.0	N	N
Not reported	25.2	N	N	27.1	N	N	23.4	N	N
Not applicable ³	4.4	N	N	5.1	N	N	2.5	N	N
Lessor	8.1	N	N	4.3	N	N	4.9	N	N
Vehicle only	2.4	N	N	2.7	N	N	1.9	N	N
Vehicle with driver	5.7	N	N	6.9	N	N	3.5	N	N
Not reported	28.1	N	N	29.8	N	N	24.6	N	N
Not applicable ³	15.1	N	N	15.1	N	N	6.2	N	N
Not reported	12.5	N	N	11.9	N	N	5.7	N	N
Not leased .....	.8	N	N	1.1	N	N	.8	N	N
Not reported	1.1	N	N	1.4	N	N	1.0	N	N
Length of leasing agreement:									
Leased	3.4	N	N	3.0	N	N	1.8	N	N
1 to 11 months	5.3	N	N	5.9	N	N	4.3	N	N
12 months or more	1.5	N	N	1.8	N	N	1.3	N	N
Not reported	11.1	N	N	12.4	N	N	10.7	N	N
Not applicable ³	4.0	N	N	4.6	N	N	2.3	N	N
Provisions of lease:									
Financing only	2.0	N	N	2.4	N	N	1.8	N	N
Full maintenance	2.5	N	N	2.8	N	N	1.9	N	N
Payment of taxes	2.4	N	N	2.5	N	N	1.7	N	N
Obtaining licenses and permits	2.3	N	N	2.5	N	N	1.7	N	N
Recordkeeping	3.3	N	N	3.5	N	N	2.4	N	N
Fuel contract	4.9	N	N	5.2	N	N	3.5	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	1.7	N	N	2.1	N	N	1.3	N	N
Motor carrier	3.5	N	N	2.0	N	N	2.3	N	N
Owner operator	6.2	N	N	5.5	N	N	4.1	N	N
Rental	7.6	N	N	6.2	N	N	3.4	N	N
Personal transportation .....	.5	N	N	.8	N	N	.7	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	N	N
For-hire characteristics:									
Type of carrier:									
Contract	2.8	N	N	1.8	N	N	1.9	N	N
Common	1.5	N	N	1.9	N	N	1.4	N	N
Not reported	3.6	N	N	3.8	N	N	2.9	N	N
Not applicable ⁴ .....	.2	N	N	.7	N	N	.6	N	N
Type of service:									
Truckload	1.0	1.2	2.2	1.2	1.3	2.1	.9	.8	1.0
Less-than truckload	4.8	2.5	6.7	3.9	2.5	4.0	2.6	1.9	2.3
Not reported	3.6	N	N	3.9	N	N	3.0	N	N
Not applicable ⁴ .....	.2	N	N	.7	N	N	.6	N	N
Source of hauls:									
Shippers or receivers	2.0	N	N	1.4	N	N	1.4	N	N
Brokers	3.8	N	N	4.1	N	N	2.6	N	N
Centralized markets or exchanges	7.8	N	N	10.9	N	N	6.6	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	2.5	N	N	2.9	N	N	2.2	N	N
Not applicable ⁴ .....	.2	N	N	.7	N	N	.6	N	N
HAZARDOUS MATERIALS CARRIED⁵									
Carrying hazardous materials	1.9	1.8	2.4	2.4	2.0	2.9	1.6	1.5	2.3
Not carrying hazardous materials .....	.6	.4	.6	.9	.7	.9	.7	.6	.9
Not reported	1.5	1.4	1.1	2.2	1.9	2.2	1.8	1.6	3.2
Not applicable ⁶ .....	.2	N	N	.7	N	N	.7	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	8.8	N	N	9.2	N	N	6.3	N	N
Air bag(s) (safety device only)	.8	1.4	4.1	1.0	1.5	4.1	.7	.8	.9
Air compressor (except air brakes)	2.0	N	N	2.4	N	N	1.9	N	N
Air-conditioning	.4	.5	.9	.7	.8	1.3	.6	.6	.8
Air springs	1.1	N	N	1.4	N	N	.9	N	N
Antilock brake system	.7	1.0	2.0	.9	1.2	2.2	.7	.7	.9
Collision warning system	5.1	N	N	6.5	N	N	4.7	N	N
Computerized drive train control unit	2.4	N	N	2.8	N	N	1.6	N	N
Crane	3.9	N	N	5.4	N	N	3.7	N	N
Electronic vehicle identification device	3.1	2.9	4.2	3.4	2.8	4.4	1.7	1.9	2.6
Engine retarder/brake	.8	1.0	1.5	1.2	1.1	1.7	.8	.8	1.1
Front-wheel drive	1.0	1.6	4.6	1.4	2.0	5.2	.9	1.2	1.3
Hoist	1.4	N	N	2.5	N	N	2.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	4.4	N	N	3.6	N	N	2.6	N	N
Internet access	9.3	N	N	8.3	N	N	6.5	N	N
Lift gate	2.5	N	N	3.3	N	N	2.2	N	N
Mounting bar for snowplow	6.6	N	N	9.2	N	N	6.0	N	N
Navigational system	8.1	3.9	2.9	8.4	4.3	2.7	5.0	2.6	5.0
Power take-off	.9	N	N	1.5	N	N	1.3	N	N
Radial tires	.7	.4	.7	.9	.7	1.0	.7	.6	.8
Reflective material in addition to those required by law	1.6	1.1	1.2	2.1	1.2	1.2	1.5	1.1	1.4
Road speed governor	1.4	.9	1.6	1.3	1.0	1.5	1.0	.8	1.3
Toolbox	2.5	N	N	3.0	N	N	2.0	N	N
Trip recorder or on-board computer with communication capabilities	4.2	N	N	3.6	N	N	2.3	N	N
Trip recorder or on-board computer without communication capabilities	2.0	N	N	2.3	N	N	1.4	N	N
Vehicle control aids for handicapped drivers	24.9	16.7	34.1	27.6	25.2	24.0	10.2	18.0	11.6
Wheelchair lift	18.9	16.5	38.2	21.7	21.2	27.9	14.7	18.9	14.4
Winch	7.4	N	N	8.6	N	N	5.8	N	N
Transmission type:									
Automatic	.5	N	N	.9	N	N	.7	N	N
Manual	1.5	N	N	1.6	N	N	1.2	N	N
Semiautomated manual	25.7	N	N	20.5	N	N	11.0	N	N
Automated manual	22.6	N	N	15.6	N	N	19.3	N	N
Not reported	3.9	N	N	4.1	N	N	2.1	N	N
Braking system:									
Hydraulic (standard)	1.0	1.3	2.0	2.9	2.2	4.9	2.4	1.8	3.3
Hydraulic with power assist	1.7	1.2	1.7	3.2	1.9	2.9	2.0	1.4	2.3
Air	.5	.5	.7	.8	.7	.9	.7	.6	.9
Other	N	6.3	N	N	8.0	N	N	5.7	N
Not reported	2.7	N	N	2.5	N	N	2.4	N	N
Not applicable ⁹	.2	N	N	.7	N	N	.7	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	.3	.2	.4	.7	.7	1.1	.7	.7	.9
Diesel	2.1	1.7	3.3	1.5	1.1	2.0	1.4	1.1	1.5
Natural gas	22.1	N	N	24.9	N	N	14.6	N	N
Propane	11.9	N	N	11.6	N	N	6.7	N	N
Alcohol fuels	11.8	N	N	14.1	N	N	7.5	N	N
Electricity	S	N	N	S	N	N	S	N	N
Combination	12.3	N	N	13.5	N	N	5.8	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	27.1	N	N	30.7	N	N	9.8	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	N	N
Cylinders ⁹ :									
4 cylinders	2.3	2.0	3.1	2.9	2.8	3.5	1.8	2.0	2.3
6 cylinders	.8	.8	1.5	1.0	1.0	1.5	.7	.7	.9
8 cylinders	1.1	1.0	1.7	1.6	1.5	2.4	1.1	1.1	1.5
Other	4.6	3.7	3.8	8.8	4.1	6.4	6.4	3.8	7.8
Cubic inch displacement ⁹ :									
Gasoline fuel	.3	.2	.4	.7	.7	1.1	.7	.7	.9
Less than 200	1.6	1.3	2.1	2.1	1.9	2.4	1.3	1.3	1.6
200 to 299	1.2	1.4	2.9	1.5	1.7	3.4	1.0	1.0	1.3
300 to 349	2.1	1.7	2.8	2.7	2.5	3.7	1.7	1.7	2.3
350 to 399	2.1	1.7	2.4	2.9	2.2	3.0	1.9	1.5	2.3
400 or more	3.9	4.3	6.4	5.4	5.5	8.3	3.6	3.6	5.0
Not available	6.2	3.8	3.4	14.3	6.0	6.7	11.6	5.0	11.8
Diesel fuel	2.1	1.7	3.3	1.5	1.1	2.0	1.4	1.1	1.5
Less than 400	5.1	4.6	8.0	5.2	4.9	7.1	3.4	3.0	3.8
400 to 599	3.9	3.7	9.3	4.7	4.4	9.8	2.9	2.8	3.5
600 to 799	.9	1.1	1.7	1.3	1.3	2.1	.9	.9	1.2
800 or more	1.4	.9	1.4	1.7	1.2	1.4	1.4	.8	1.3
Not available	2.3	1.4	1.8	2.7	2.1	2.7	2.6	1.7	3.7
Other fuel	8.1	12.3	39.3	9.3	13.3	47.7	4.3	10.7	12.6
Less than 400	8.8	15.4	58.3	10.0	13.6	64.0	4.5	12.2	15.1
400 or more	16.2	26.1	39.5	15.5	35.8	31.9	10.3	13.1	10.6
Not available	17.2	20.8	9.2	26.3	25.8	12.8	20.6	22.0	30.8
Not reported	27.1	N	N	30.7	N	N	9.8	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	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
REFUELING LOCATION									
Gas station .....	.3	N	N	.7	N	N	.7	N	N
Truck stop	4.1	N	N	2.6	N	N	2.8	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	3.2	N	N	2.5	N	N	2.0	N	N
Other company's/contractor's facility not open to the public	10.7	N	N	9.6	N	N	5.7	N	N
Other	30.1	N	N	32.0	N	N	13.9	N	N
Not reported	3.9	N	N	4.0	N	N	1.8	N	N
Not applicable ¹	5.7	N	N	13.8	N	N	13.3	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	5.5	7.6	22.9	9.7	9.9	24.7	7.4	7.3	7.6
Company-owned maintenance facility	2.5	2.4	4.9	2.1	1.9	3.5	1.4	1.6	1.8
General repair business or private mechanic ..	1.0	1.1	2.1	1.3	1.4	2.6	.9	.9	1.2
Dealership service department	1.5	1.5	2.8	1.8	1.7	3.0	1.0	1.0	1.3
Leasing company	15.5	9.7	8.1	7.7	7.5	4.4	11.8	5.4	11.9
Individual not employed/paid by any maintenance type facility									
Other	1.2	.8	1.2	1.6	1.3	1.6	1.1	1.0	1.3
Not reported	N	8.2	N	N	8.8	N	N	5.8	N
Not applicable ¹	3.8	3.6	6.7	4.0	3.7	6.5	1.8	2.8	3.1
Extensive repairs performed by:									
None performed .....	.5	3.2	54.6	.8	4.1	68.7	.6	2.4	2.5
Company-owned maintenance facility	7.1	3.8	3.6	6.2	3.1	2.6	4.3	2.6	4.2
General repair business or private mechanic ..	3.2	1.7	1.5	3.9	2.2	1.9	2.6	1.4	3.0
Dealership service department	4.1	2.0	1.6	4.2	2.0	1.6	2.2	1.2	2.4
Leasing company	39.3	13.4	6.6	40.1	9.0	6.1	11.1	8.1	12.8
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	12.1	5.3	2.7	17.3	4.8	3.2	13.4	3.0	12.1
Other	4.0	2.5	2.6	5.3	3.4	3.7	3.6	2.3	4.4
Not reported	N	10.7	N	N	12.2	N	N	6.9	N
Not applicable ¹	16.6	.8	.1	26.3	1.2	.1	19.4	.9	20.4
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles .....	.2	.2	.3	.7	.7	1.0	.6	.6	.8
3 axles .....	.2	.2	.3	.7	.7	1.0	.6	.6	.8
4 axles	1.2	1.4	1.8	2.1	2.3	2.9	1.8	1.8	2.4
5 axles or more	2.4	2.5	3.2	3.1	3.1	3.4	2.1	2.0	2.5
Not reported	5.1	N	N	6.5	N	N	3.9	N	N
Combinations	24.2	N	N	22.0	N	N	28.1	N	N
Single-unit trucks with trailer									
3 axles	3.1	2.1	4.6	1.7	1.0	1.9	2.4	1.6	2.2
4 axles	5.5	5.4	13.9	8.1	6.9	17.1	6.0	4.5	6.7
5 axles or more	8.9	11.7	26.6	16.8	18.1	39.2	14.2	11.2	15.9
Not reported	7.7	6.7	19.0	10.3	7.9	22.7	6.8	5.2	8.0
Truck-tractors with single trailer	17.6	7.7	19.1	24.0	6.9	21.8	15.4	6.4	14.6
3 axles	28.2	N	N	31.1	N	N	18.9	N	N
4 axles .....	.5	.6	.7	.8	.7	1.0	.7	.6	.9
5 axles or more	4.8	4.2	5.0	6.1	5.7	5.4	4.2	4.0	4.8
Not reported	3.3	2.5	2.5	4.4	3.0	2.8	3.1	2.1	3.2
Truck-tractors with double trailers .....	.6	.6	.8	.9	.8	1.1	.7	.6	.9
5 axles	3.3	N	N	4.2	N	N	2.6	N	N
6 axles	4.3	3.4	3.6	5.3	3.8	4.3	2.8	2.3	3.6
7 axles	6.3	5.1	5.6	7.0	5.6	6.8	3.6	3.4	5.4
8 axles or more	11.1	7.0	5.9	14.1	7.7	6.7	7.8	4.3	8.3
Not reported	11.9	8.3	7.0	16.9	9.3	7.7	8.2	5.2	8.1
Truck-tractors with triple trailers	7.7	7.4	10.3	10.8	7.7	12.4	6.4	4.0	7.3
7 axles	22.1	N	N	27.7	N	N	13.6	N	N
8 axles	34.5	S	S	36.8	S	S	7.8	S	S
9 axles	S	15.5	S	S	16.2	S	S	5.9	S
10 axles or more	S	25.4	S	S	24.2	S	S	10.5	S
Not reported	S	N	N	S	N	N	S	N	N
Driving axles:									
1 .....	.7	.6	1.0	1.1	1.0	1.5	.9	.8	1.1
2	1.0	1.0	1.8	1.1	1.1	1.9	.7	.7	.9
3 or more	5.3	3.9	2.4	7.5	5.0	.9	5.4	3.5	1.8
Not reported	16.3	N	N	14.1	N	N	16.4	N	N
Total liftable axles and locations:									
None .....	.4	.9	2.5	.7	1.1	3.1	.6	1.0	1.0
1	2.0	3.0	4.4	2.9	3.3	5.3	2.2	2.7	3.4
Forward of the drive axle	2.4	N	N	3.6	N	N	2.6	N	N
Below the chassis	5.2	N	N	8.3	N	N	6.9	N	N
Beyond the chassis	8.2	N	N	11.0	N	N	7.1	N	N
Not reported	5.7	N	N	7.7	N	N	5.4	N	N
2 or more	5.2	9.0	7.7	6.0	7.7	8.2	3.9	8.3	10.6
Forward of the drive axle	5.6	N	N	6.2	N	N	4.2	N	N
Below the chassis	7.9	N	N	10.4	N	N	6.7	N	N
Beyond the chassis	8.4	N	N	9.9	N	N	5.4	N	N
Not reported	22.5	N	N	27.8	N	N	16.0	N	N
Not reported	7.5	N	N	9.3	N	N	8.6	N	N
Not applicable ⁸ .....	.2	N	N	.7	N	N	.7	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 .....	.4	.9	2.5	.7	1.1	3.1	.6	1.0	1.0
1	2.0	3.0	4.4	2.9	3.3	5.3	2.2	2.7	3.4
0 braking	5.3	N	N	8.0	N	N	6.3	N	N
1 braking	2.2	N	N	3.2	N	N	2.4	N	N
Not reported	10.1	N	N	15.3	N	N	11.5	N	N
2 or more	5.2	9.0	7.7	6.0	7.7	8.2	3.9	8.3	10.6
0 braking	23.0	N	N	28.2	N	N	18.7	N	N
1 braking	25.0	N	N	30.4	N	N	18.6	N	N
2 or more braking	5.7	N	N	6.5	N	N	4.2	N	N
Not reported	23.4	N	N	30.7	N	N	16.8	N	N
Not reported	7.5	N	N	9.3	N	N	8.6	N	N
Not applicable ⁸ .....	.2	N	N	.7	N	N	.7	N	N
CAB TYPE									
Conventional cab .....	.5	.5	.7	.8	.7	1.1	.6	.6	.8
With sleeper	1.1	N	N	1.4	N	N	.8	N	N
Without sleeper .....	.5	N	N	1.2	N	N	.9	N	N
Not reported	3.6	N	N	4.4	N	N	2.2	N	N
Cab over engine	1.2	1.6	1.7	2.3	2.0	2.7	1.8	1.6	2.6
With sleeper	3.2	N	N	4.7	N	N	2.8	N	N
Without sleeper	1.4	N	N	2.1	N	N	1.6	N	N
Not reported	10.1	N	N	12.4	N	N	5.3	N	N
Cab forward of engine	9.5	3.8	1.0	13.8	4.6	1.2	7.4	3.2	7.2
Cab beside engine	12.3	8.6	3.7	17.0	12.1	4.0	10.6	8.6	10.5
Not reported	34.2	N	N	25.9	N	N	26.5	N	N
Not applicable ⁹ .....	.2	N	N	.7	N	N	.7	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	5 520.5	5 664.9	-2.5	145 172.5	157 366.7	-7.7	26.3	27.8	-5.3
BUSINESS¹									
For-hire transportation or warehousing	1 018.7	938.2	8.6	65 349.7	69 019.2	-5.3	64.2	73.6	-12.8
Vehicle leasing or rental	306.5	199.5	53.7	10 693.1	6 553.6	63.2	34.9	32.9	6.2
Agriculture, forestry, fishing, or hunting	793.1	966.9	-18.0	7 797.3	11 113.9	-29.8	9.8	11.5	-14.5
Mining	87.4	82.1	6.5	1 981.1	1 921.8	3.1	22.7	23.4	-3.2
Utilities	186.4	205.0	-9.0	2 498.4	2 571.0	-2.8	13.4	12.5	6.8
Construction	1 027.4	1 161.9	-11.6	14 997.5	17 559.0	-14.6	14.6	15.1	-3.4
Manufacturing	227.3	258.6	-12.1	5 509.1	8 922.2	-38.3	24.2	34.5	-29.7
Wholesale trade	285.2	440.4	-35.2	7 783.7	14 753.9	-47.2	27.3	33.5	-18.5
Retail trade	361.1	469.4	-23.1	9 486.4	11 529.1	-17.7	26.3	24.6	7.0
Information services	49.0	N	N	560.4	N	N	11.4	N	N
Waste management, landscaping, or administrative/support services	293.2	N	N	5 100.7	N	N	17.4	N	N
Arts, entertainment, or recreation services	27.3	N	N	200.6	N	N	7.4	N	N
Accommodation or food services	80.2	N	N	2 402.4	N	N	30.0	N	N
Other services	146.0	N	N	2 207.7	N	N	15.1	N	N
Personal transportation	47.0	183.0	-74.3	311.1	952.5	-67.3	6.6	5.2	27.0
Not reported	358.6	V	N	8 143.3	V	N	22.7	V	N
Not applicable ²	226.1	168.6	34.1	149.9	31.8	371.6	.7	.2	251.7
BODY TYPE									
Single-unit trucks	4 098.6	4 121.1	-.5	55 002.3	56 241.8	-2.2	13.4	13.6	-1.7
Armored	11.3	N	N	293.8	N	N	26.1	N	N
Beverage	41.6	41.1	1.3	582.6	614.0	-5.1	14.0	14.9	-6.3
Concrete mixer	77.0	72.2	6.6	1 201.0	1 090.5	10.1	15.6	15.1	3.3
Concrete pumper	5.9	N	N	105.4	N	N	17.8	N	N
Crane	17.6	52.1	-66.3	121.2	676.6	-82.1	6.9	13.0	-46.9
Curtainside	3.6	N	N	69.5	N	N	19.3	N	N
Dump	727.0	574.4	26.6	7 244.1	6 864.6	5.5	10.0	12.0	-16.6
Flatbed, stake, or platform	948.1	1 250.7	-24.2	9 446.7	12 789.5	-26.1	10.0	10.2	-2.6
Low boy	3.6	25.1	-86.2	20.9	390.8	-94.6	5.8	15.0	-61.1
Pole, logging, pulpwood, or pipe	18.1	22.4	-19.2	391.1	481.0	-18.7	21.6	21.5	.7
Service, utility	262.1	151.3	73.2	3 214.6	1 653.9	94.4	12.3	10.9	12.2
Service, other	221.8	168.4	31.7	3 431.4	2 263.4	51.6	15.5	13.4	15.1
Street sweeper	6.4	N	N	80.2	N	N	12.6	N	N
Tank, dry bulk	26.1	15.5	67.7	191.9	193.5	-8	7.4	12.5	-40.9
Tank, liquids or gases	166.7	165.2	.9	2 152.1	2 559.0	-15.9	12.9	15.5	-16.6
Tow/Wrecker	127.8	111.7	14.4	2 056.7	1 734.9	18.6	16.1	15.5	3.6
Trash, garbage, or recycling	96.0	85.9	11.9	2 244.9	2 015.7	11.4	23.4	23.5	-.4
Vacuum	14.7	N	N	224.1	N	N	15.2	N	N
Van, basic enclosed	583.1	399.2	46.0	11 271.0	9 170.3	22.9	19.3	23.0	-15.8
Van, insulated nonrefrigerated	18.9	10.4	81.7	335.1	228.1	46.9	17.7	21.9	-19.1
Van, insulated refrigerated	86.3	77.8	10.9	2 094.4	2 026.3	3.4	24.3	26.0	-6.8
Van, open top	151.7	244.2	-37.9	442.1	876.1	-49.5	2.9	3.6	-18.8
Van, step, walk-in, or multistop	413.1	557.9	-26.0	6 835.6	9 257.2	-26.2	16.5	16.6	-.3
Van, other	69.0	N	N	940.9	N	N	13.6	N	N
Other	1.1	N	N	S	N	N	S	N	N
Truck-tractors	1 421.9	1 543.8	-7.9	90 170.2	101 124.9	-10.8	63.4	65.5	-3.2
Automobile carrier	12.8	10.8	18.6	894.5	753.0	18.8	69.8	69.7	.1
Beverage	33.6	29.2	15.3	636.1	630.8	.8	18.9	21.6	-12.5
Curtainside	3.5	N	N	272.1	N	N	77.5	N	N
Dump	129.2	96.5	33.9	5 258.9	4 505.2	16.7	40.7	46.7	-12.8
Flatbed, stake, or platform	193.5	233.5	-17.1	9 576.0	13 264.8	-27.8	49.5	56.8	-12.9
Livestock	15.3	14.7	3.7	729.4	865.7	-15.7	47.7	58.8	-18.8
Low boy	57.7	85.0	-32.1	1 525.5	2 317.8	-34.2	26.5	27.3	-3.0
Mobile home toter	4.9	N	N	136.0	N	N	28.0	N	N
Open top	64.0	75.6	-15.4	2 208.8	2 929.4	-24.6	34.5	38.7	-10.8
Pole, logging, pulpwood, or pipe	21.7	33.3	-34.8	1 106.9	1 677.8	-34.0	50.9	50.3	1.1
Tank, dry bulk	28.3	24.2	17.0	1 855.6	1 661.8	11.7	65.6	68.7	-4.5
Tank, liquids or gases	80.6	84.2	-4.3	5 565.1	6 046.0	-8.0	69.0	71.8	-3.8
Van, basic enclosed	592.6	609.7	-2.8	47 381.8	46 679.8	1.5	80.0	76.6	4.4
Van, drop-frame	14.0	32.1	-56.4	917.1	1 856.6	-50.6	65.6	57.9	13.4
Van, insulated nonrefrigerated	14.9	24.1	-38.2	1 341.0	2 347.7	-42.9	90.1	97.4	-7.5
Van, insulated refrigerated	120.4	156.1	-22.9	10 742.1	14 336.7	-25.1	89.2	91.8	-2.9
Other	1.3	N	N	23.1	N	N	17.9	N	N
Not applicable ³	33.7	N	N	S	N	N	S	N	N
ANNUAL MILES									
Less than 5,000	1 394.5	1 421.1	-1.9	2 412.6	2 553.1	-5.5	1.7	1.8	-3.7
5,000 to 9,999	719.2	753.4	-4.5	5 013.2	5 102.7	-1.8	7.0	6.8	2.9
10,000 to 19,999	1 059.5	1 128.8	-6.1	14 691.5	15 316.3	-4.1	13.9	13.6	2.2
20,000 to 29,999	671.9	585.5	14.8	15 870.2	13 535.7	17.2	23.6	23.1	2.2
30,000 to 49,999	529.3	571.1	-7.3	19 491.5	20 904.2	-6.8	36.8	36.6	.6
50,000 to 74,999	313.7	374.5	-16.2	19 059.2	22 270.1	-14.4	60.7	59.5	2.2
75,000 or more	606.2	697.3	-13.1	68 484.4	77 684.5	-11.8	113.0	111.4	1.4
Not applicable ²	226.1	133.2	69.8	149.9	V	N	.7	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	182.9	350.6	-47.8	2 262.8	2 094.3	8.0	12.4	6.0	107.1
50 miles or less	2 942.4	2 971.4	-1.0	42 531.1	38 226.9	11.3	14.5	12.9	12.4
51 to 100 miles	684.7	927.1	-26.1	19 161.6	26 156.5	-26.7	28.0	28.2	-8
101 to 200 miles	243.5	426.6	-42.9	11 779.9	19 733.5	-40.3	48.4	46.3	4.6
201 to 500 miles	231.6	421.7	-45.1	17 519.7	28 274.0	-38.0	75.7	67.1	12.8
501 miles or more	293.0	434.4	-32.6	26 706.4	42 881.4	-37.7	91.2	98.7	-7.7
Not reported	716.3	133.1	438.3	25 061.1	V	N	35.0	V	N
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
PRIMARY JURISDICTION									
Operated in Canada	1.7	N	N	72.0	N	N	42.7	N	N
Operated in Mexico	1.6	N	N	29.3	N	N	18.5	N	N
Operated within the home base state	4 196.4	N	N	84 973.9	N	N	20.2	N	N
Operated in states other than the home base state	495.6	N	N	40 901.2	N	N	82.5	N	N
Not reported	599.1	N	N	19 046.1	N	N	31.8	N	N
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
MONTHS OPERATED									
12	3 109.1	N	N	109 720.0	N	N	35.3	N	N
7 to 11	928.8	N	N	23 978.8	N	N	25.8	N	N
2 to 6	911.9	N	N	10 481.1	N	N	11.5	N	N
1 or less	344.5	N	N	842.7	N	N	2.4	N	N
Vehicle not used	226.1	N	N	149.9	N	N	.7	N	N
VEHICLE SIZE									
Light	807.4	1 208.7	-33.2	9 234.8	13 665.4	-32.4	11.4	11.3	1.2
Medium	1 240.7	1 191.3	4.1	16 824.5	15 641.1	7.6	13.6	13.1	3.3
Light-heavy	885.1	729.3	21.4	11 541.3	10 129.3	13.9	13.0	13.9	-6.1
Heavy-heavy	2 587.3	2 535.6	2.0	107 571.8	117 930.8	-8.8	41.6	46.5	-10.6
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	117.5	279.7	-58.0	1 219.5	2 497.7	-51.2	10.4	8.9	16.2
6,001 to 8,500	279.6	N	N	2 904.5	N	N	10.4	N	N
8,501 to 10,000	410.3	N	N	5 110.9	N	N	12.5	N	N
10,001 to 14,000	642.4	625.0	2.8	8 562.2	8 525.6	.4	13.3	13.6	-2.3
14,001 to 16,000	297.1	289.2	2.7	4 250.5	3 561.4	19.4	14.3	12.3	16.2
16,001 to 19,500	301.1	277.0	8.7	4 011.8	3 554.1	12.9	13.3	12.8	3.8
19,501 to 26,000	885.1	729.3	21.4	11 541.3	10 129.3	13.9	13.0	13.9	-6.1
26,001 to 33,000	433.4	427.7	1.3	5 817.5	7 092.5	-18.0	13.4	16.6	-19.1
33,001 to 40,000	228.6	256.7	-10.9	3 766.9	6 594.1	-42.9	16.5	25.7	-35.9
40,001 to 50,000	318.4	399.9	-20.4	6 697.6	13 078.2	-48.8	21.0	32.7	-35.7
50,001 to 60,000	326.6	311.4	4.9	8 950.4	12 652.6	-29.3	27.4	40.6	-32.5
60,001 to 80,000	1 178.7	1 069.8	10.2	77 489.4	74 723.6	3.7	65.7	69.9	-5.9
80,001 to 100,000	68.9	46.3	48.9	2 949.8	2 427.0	21.5	42.8	52.5	-18.4
100,001 to 130,000	26.4	17.9	47.1	1 571.1	1 051.0	49.5	59.6	58.6	1.6
130,001 or more	6.3	5.9	5.8	329.1	311.8	5.5	52.3	52.5	-3
TOTAL LENGTH (FEET)									
Less than 20.0	1 530.4	1 381.6	10.8	18 338.5	16 357.4	12.1	12.0	11.8	1.2
20.0 to 27.9	1 539.2	1 885.2	-18.4	19 495.8	23 565.6	-17.3	12.7	12.5	1.3
28.0 to 35.9	690.9	625.8	10.4	11 186.2	11 431.4	-2.1	16.2	18.3	-11.4
36.0 to 40.9	254.3	156.1	62.9	5 637.6	3 023.2	86.5	22.2	19.4	14.5
41.0 to 44.9	116.8	80.1	45.9	2 814.1	1 820.5	54.6	24.1	22.7	6.0
45.0 to 49.9	115.4	94.0	22.8	3 246.9	2 647.0	22.7	28.1	28.2	-1
50.0 to 54.9	145.1	137.0	5.9	4 782.8	5 025.4	-4.8	33.0	36.7	-10.2
55.0 to 59.9	228.3	336.6	-32.2	10 041.0	17 737.3	-43.4	44.0	52.7	-16.5
60.0 to 64.9	301.6	417.3	-27.7	17 561.5	28 469.3	-38.3	58.2	68.2	-14.7
65.0 to 69.9	273.3	303.8	-10.0	21 406.1	25 422.4	-15.8	78.3	83.7	-6.4
70.0 to 74.9	217.2	156.4	38.9	20 632.7	14 110.3	46.2	95.0	90.2	5.3
75.0 to 79.9	92.1	N	N	8 955.8	N	N	97.3	N	N
80.0 or more	15.7	N	N	1 073.3	N	N	68.2	N	N
MILES PER GALLON									
Less than 5	478.5	522.9	-8.5	11 002.9	14 682.5	-25.1	23.0	28.1	-18.1
5 to 6.9	1 423.1	1 842.0	-22.7	67 034.6	84 527.9	-20.7	47.1	45.9	2.6
7 to 8.9	772.7	1 040.6	-25.7	16 472.2	22 219.6	-25.9	21.3	21.4	-2
9 to 10.9	773.8	841.5	-8.1	10 630.3	12 007.3	-11.5	13.7	14.3	-3.7
11 to 12.9	409.9	411.3	-3	5 886.5	5 773.4	2.0	14.4	14.0	2.3
13 to 14.9	147.9	163.0	-9.2	2 178.6	2 591.0	-15.9	14.7	15.9	-7.4
15 or more	223.1	290.5	-23.2	2 964.6	4 309.6	-31.2	13.3	14.8	-10.4
15 to 20.9	223.1	275.0	-18.9	2 964.6	4 007.8	-26.0	13.3	14.6	-8.8
21 to 24.9	V	8.9	N	V	118.1	N	V	13.3	N
25 or more	V	6.6	N	V	S	N	V	S	N
Not reported	1 065.3	553.0	92.6	28 852.9	11 255.4	156.3	27.1	20.4	33.1
Not applicable ²	226.1	N	N	149.9	N	N	.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	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	40.4	N	N	2 215.3	N	N	54.8	N	N
2002	179.0	N	N	10 599.6	N	N	59.2	N	N
2001	286.3	N	N	16 001.0	N	N	55.9	N	N
2000	455.7	N	N	23 983.5	N	N	52.6	N	N
1999	399.4	N	N	18 435.1	N	N	46.2	N	N
1998	283.9	S	S	12 094.8	S	S	42.6	S	S
1997	288.3	275.1	4.8	9 602.8	14 996.6	-36.0	33.3	54.5	-38.9
1996	243.0	312.9	-22.3	8 211.0	19 223.6	-57.3	33.8	61.4	-45.0
1995	322.6	420.7	-23.3	9 290.7	22 116.6	-58.0	28.8	52.6	-45.2
1994	234.4	310.3	-24.5	5 663.4	15 470.4	-63.4	24.2	49.9	-51.5
1993	196.7	251.0	-21.6	4 589.5	12 084.3	-62.0	23.3	48.1	-51.5
Pre-1993	2 590.8	4 044.1	-35.9	24 485.7	71 150.3	-65.6	9.5	17.6	-46.3
VEHICLE ACQUISITION									
New	2 507.7	2 323.7	7.9	89 809.0	83 420.9	7.7	35.8	35.9	-2
Used	2 614.7	2 762.7	-5.4	42 544.9	44 648.7	-4.7	16.3	16.2	7
Not reported	398.1	578.4	-31.2	12 818.6	29 297.1	-56.2	32.2	50.6	-36.4
LEASE CHARACTERISTICS									
Leased	675.6	N	N	35 761.7	N	N	52.9	N	N
Lessee	354.6	N	N	18 497.9	N	N	52.2	N	N
Vehicle only	332.7	N	N	16 667.3	N	N	50.1	N	N
Vehicle with driver	19.5	N	N	1 749.1	N	N	89.4	N	N
Not reported	2.3	N	N	82.6	N	N	35.5	N	N
Lessor	305.9	N	N	16 610.8	N	N	54.3	N	N
Vehicle only	267.3	N	N	13 804.4	N	N	51.6	N	N
Vehicle with driver	35.3	N	N	2 657.2	N	N	75.4	N	N
Not reported	3.3	N	N	149.3	N	N	45.7	N	N
Not reported	15.2	N	N	652.9	N	N	43.0	N	N
Not leased	3 107.5	N	N	75 364.6	N	N	24.3	N	N
Not reported	1 737.4	N	N	34 046.2	N	N	19.6	N	N
Length of leasing agreement:									
Leased	675.6	N	N	35 761.7	N	N	52.9	N	N
1 to 11 months	43.0	N	N	2 179.1	N	N	50.6	N	N
12 months or more	618.8	N	N	33 027.8	N	N	53.4	N	N
Not reported	13.7	N	N	554.7	N	N	40.4	N	N
Provisions of lease ⁴ :									
Financing only	408.9	N	N	20 602.6	N	N	50.4	N	N
Full maintenance	232.7	N	N	11 813.0	N	N	50.8	N	N
Payment of taxes	267.1	N	N	13 660.5	N	N	51.1	N	N
Obtaining licenses and permits	267.7	N	N	14 408.6	N	N	53.8	N	N
Recordkeeping	148.0	N	N	8 125.2	N	N	54.9	N	N
Fuel contract	72.4	N	N	4 143.2	N	N	57.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	3 588.6	N	N	56 394.4	N	N	15.7	N	N
Motor carrier	978.1	N	N	58 191.0	N	N	59.5	N	N
Owner operator	354.0	N	N	19 023.5	N	N	53.7	N	N
Rental	326.6	N	N	11 102.5	N	N	34.0	N	N
Personal transportation	47.0	N	N	311.1	N	N	6.6	N	N
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
For-hire characteristics:									
Type of carrier:									
Contract	602.4	N	N	41 703.7	N	N	69.2	N	N
Common	536.4	N	N	28 065.2	N	N	52.3	N	N
Not reported	193.3	N	N	7 445.6	N	N	38.5	N	N
Not applicable ⁵	4 188.4	N	N	67 957.9	N	N	16.2	N	N
Type of service:									
Truckload	792.6	579.8	36.7	55 846.8	46 815.7	19.3	70.5	80.7	-12.7
Less-than truckload	350.1	283.2	23.6	14 289.3	16 472.1	-13.3	40.8	58.2	-29.8
Not reported	189.3	N	N	7 078.0	N	N	37.4	N	N
Not applicable ⁵	4 188.4	N	N	67 957.9	N	N	16.2	N	N
Source of hauls:									
Shippers or receivers	899.2	N	N	57 610.6	N	N	64.1	N	N
Brokers	92.1	N	N	6 501.9	N	N	70.6	N	N
Centralized markets or exchanges	24.1	N	N	1 042.7	N	N	43.3	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	316.7	N	N	12 059.2	N	N	38.1	N	N
Not applicable ⁵	4 188.4	N	N	67 957.9	N	N	16.2	N	N
HAZARDOUS MATERIALS CARRIED⁶									
Carrying hazardous materials	366.1	403.3	-9.2	23 361.8	24 787.8	-5.8	63.8	61.5	3.8
Not carrying hazardous materials	3 873.5	4 436.3	-12.7	92 985.6	113 140.7	-17.8	24.0	25.5	-5.9
Not reported	681.1	778.9	-12.6	17 261.5	18 871.9	-8.5	25.3	24.2	4.6
Not applicable ⁷	599.7	N	N	11 563.5	N	N	19.3	N	N
EQUIPMENT TYPE⁴									
Aerial work platform/bucket	132.8	N	N	1 273.3	N	N	9.6	N	N
Air bag(s) (safety device only)	589.5	427.4	37.9	23 123.8	28 108.0	-17.7	39.2	65.8	-40.4
Air compressor (except air brakes)	353.0	N	N	15 299.2	N	N	43.3	N	N
Air-conditioning	2 753.9	2 242.3	22.8	112 397.8	110 507.4	1.7	40.8	49.3	-17.2
Air springs	671.0	N	N	45 806.8	N	N	68.3	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	1 595.6	748.9	113.1	76 213.1	37 196.0	104.9	47.8	49.7	-3.8
Collision warning system	64.5	N	N	2 553.2	N	N	39.6	N	N
Computerized drive train control unit	167.6	N	N	9 318.3	N	N	55.6	N	N
Crane	107.4	N	N	1 522.8	N	N	14.2	N	N
Electronic vehicle identification device	146.0	147.9	-1.3	13 188.0	13 134.2	.4	90.3	88.8	1.7
Engine retarder/brake	951.5	831.5	14.4	58 553.7	55 246.9	6.0	61.5	66.4	-7.4
Front-wheel drive	V	S	S	V	S	S	V	S	S
Hoist	619.4	N	N	5 423.4	N	N	8.8	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	184.1	N	N	12 561.3	N	N	68.2	N	N
Internet access	15.6	N	N	1 262.8	N	N	81.2	N	N
Lift gate	302.8	N	N	5 364.5	N	N	17.7	N	N
Mounting bar for snowplow	73.8	N	N	610.9	N	N	8.3	N	N
Navigational system	20.9	64.9	-67.8	1 628.2	5 769.0	-71.8	77.8	88.8	-12.4
Power take-off	1 389.9	N	N	26 861.0	N	N	19.3	N	N
Radial tires	3 200.8	3 732.3	-14.2	101 484.2	127 738.5	-20.6	31.7	34.2	-7.4
Reflective material in addition to those required by law	725.2	1 182.8	-38.7	24 333.9	50 556.7	-51.9	33.6	42.7	-21.5
Road speed governor	1 397.7	1 451.5	-3.7	66 666.2	71 639.0	-6.9	47.7	49.4	-3.4
Toolbox	1 265.1	N	N	29 884.1	N	N	23.6	N	N
Trip recorder or on-board computer with communication capabilities	328.8	N	N	24 542.9	N	N	74.6	N	N
Trip recorder or on-board computer without communication capabilities	175.3	N	N	9 809.0	N	N	56.0	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	264.1	N	N	4 201.6	N	N	15.9	N	N
Transmission type:									
Automatic	1 444.8	N	N	23 653.8	N	N	16.4	N	N
Manual	3 587.5	N	N	105 180.7	N	N	29.3	N	N
Semiautomated manual	28.2	N	N	1 301.8	N	N	46.1	N	N
Automated manual	13.1	N	N	945.1	N	N	72.3	N	N
Not reported	447.0	N	N	14 091.1	N	N	31.5	N	N
Braking system:									
Hydraulic (standard)	1 501.7	1 252.5	19.9	18 808.6	13 993.6	34.4	12.5	11.2	12.1
Hydraulic with power assist	1 189.1	1 453.7	-18.2	14 808.3	19 230.7	-23.0	12.5	13.2	-5.9
Air	2 307.3	2 457.4	-6.1	96 707.6	112 646.0	-14.1	41.9	45.8	-8.6
Other	V	78.7	N	V	1 018.1	N	V	12.9	N
Not reported	522.4	N	N	14 847.9	N	N	28.4	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1 651.8	2 155.4	-23.4	14 610.0	18 677.0	-21.8	8.8	8.7	2.1
Diesel	3 587.9	3 323.4	8.0	129 723.6	136 518.4	-5.0	36.2	41.1	-12.0
Natural gas	3.6	N	N	72.3	N	N	20.1	N	N
Propane	38.2	N	N	498.9	N	N	13.0	N	N
Alcohol fuels	1.3	N	N	S	N	N	S	N	N
Electricity	S	N	N	S	N	N	S	N	N
Combination	8.6	N	N	81.3	N	N	9.5	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	3.0	N	N	29.2	N	N	9.7	N	N
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
Cylinders ⁸ :									
4 cylinders	173.1	118.1	46.5	3 299.8	2 495.9	32.2	19.1	21.1	-9.8
6 cylinders	2 738.7	2 407.7	13.7	115 960.0	119 111.5	-2.6	42.3	49.5	-14.4
8 cylinders	1 996.7	2 064.1	-3.3	22 259.3	25 370.0	-12.3	11.1	12.3	-9.3
Other	612.0	1 074.9	-43.1	3 653.3	10 389.2	-64.8	6.0	9.7	-38.2
Cubic inch displacement ⁸ :									
Gasoline fuel	1 651.8	2 155.4	-23.4	14 610.0	18 677.0	-21.8	8.8	8.7	2.1
Less than 200	23.7	24.8	-4.5	268.3	340.3	-21.2	11.3	13.7	-17.4
200 to 299	64.4	88.0	-26.8	1 307.3	1 360.8	-3.9	20.3	15.5	31.2
300 to 349	79.7	67.2	18.7	982.4	692.1	41.9	12.3	10.3	19.6
350 to 399	723.8	847.1	-14.6	7 151.5	9 076.4	-21.2	9.9	10.7	-7.8
400 or more	365.8	382.7	-4.4	3 842.8	4 688.0	-18.0	10.5	12.2	-14.2
Not available	394.5	745.6	-47.1	1 057.6	2 519.4	-58.0	2.7	3.4	-20.7
Diesel fuel	3 587.9	3 323.4	8.0	129 723.6	136 518.4	-5.0	36.2	41.1	-12.0
Less than 400	494.1	425.6	16.1	8 783.8	8 716.9	.8	17.8	20.5	-13.2
400 to 599	1 207.2	842.6	43.3	22 734.2	18 105.3	25.6	18.8	21.5	-12.4
600 to 799	920.8	759.6	21.2	52 169.5	44 581.0	17.0	56.7	58.7	-3.5
800 or more	601.4	742.6	-19.0	32 523.2	48 059.1	-32.3	54.1	64.7	-16.4
Not available	364.3	552.9	-34.1	13 512.9	17 056.1	-20.8	37.1	30.8	20.2
Other fuel	51.7	54.0	-4.2	659.8	702.6	-6.1	12.8	13.0	-2.0
Less than 400	18.0	23.3	-22.8	209.2	333.6	-37.3	11.6	14.3	-18.8
400 or more	26.0	17.3	50.5	424.0	308.7	37.4	16.3	17.9	-8.7
Not available	7.7	13.4	-42.5	26.5	60.3	-56.0	3.5	4.5	-23.5
Not reported	3.0	N	N	29.2	N	N	9.7	N	N
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
REFUELING LOCATION									
Gas station	2 441.0	N	N	36 263.4	N	N	14.9	N	N
Truck stop	861.9	N	N	52 808.9	N	N	61.3	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1 564.7	N	N	43 790.5	N	N	28.0	N	N
Other company's/contractor's facility not open to the public	146.2	N	N	4 447.6	N	N	30.4	N	N
Other	1.0	N	N	17.6	N	N	18.5	N	N
Not reported	279.6	N	N	7 694.6	N	N	27.5	N	N
Not applicable ²	226.1	N	N	149.9	N	N	.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	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
MAINTENANCE⁴									
General maintenance performed by:									
None performed	94.3	32.8	187.9	480.8	252.4	90.5	5.1	7.7	-33.9
Company-owned maintenance facility	2 374.4	2 132.4	11.3	85 696.5	79 857.9	7.3	36.1	37.4	-3.6
General repair business or private mechanic	1 670.0	1 346.2	24.1	46 632.5	36 207.3	28.8	27.9	26.9	3.8
Dealership service department	562.5	525.1	7.1	23 624.5	20 457.0	15.5	42.0	39.0	7.8
Leasing company	71.3	102.8	-30.6	3 342.7	5 690.0	-41.3	46.9	55.4	-15.3
Individual not employed/paid by any maintenance type facility:									
Other	1 077.0	1 875.4	-42.6	15 931.3	32 857.8	-51.5	14.8	17.5	-15.6
Not reported	273.9	551.3	-50.3	8 133.9	16 680.4	-51.2	29.7	30.3	-1.9
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
Extensive repairs performed by:									
None performed	3 872.5	144.8	2 573.8	100 156.6	2 701.4	3 607.6	25.9	18.7	38.7
Company-owned maintenance facility	338.4	1 137.8	-70.3	11 434.1	40 043.4	-71.4	33.8	35.2	-4.0
General repair business or private mechanic	431.1	1 212.5	-64.4	12 929.5	27 039.1	-52.2	30.0	22.3	34.5
Dealership service department	223.1	824.1	-72.9	10 783.7	38 015.8	-71.6	48.3	46.1	4.8
Leasing company	10.2	68.1	-84.9	437.7	3 581.4	-87.8	42.7	52.6	-18.8
Component distributorship (engine, transmission, body, etc.):									
Individual not employed/paid by any repair type facility	153.8	441.5	-65.2	2 831.1	6 534.6	-56.7	18.4	14.8	24.4
Other	V	19.0	N	V	632.9	N	V	33.3	N
Not reported	5.8	1 993.4	-99.7	82.5	43 031.3	-99.8	14.3	21.6	-33.9
Not applicable ²	226.1	N	N	149.9	N	N	.7	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer:									
2 axles	3 873.9	3 853.3	.5	51 158.6	51 469.8	-6	13.2	13.4	-1.1
3 axles	3 274.0	3 267.1	.2	41 450.1	41 323.2	.3	12.7	12.6	.1
4 axles	467.7	475.0	-1.5	6 784.7	7 186.9	-5.6	14.5	15.1	-4.1
5 axles or more	102.0	111.2	-8.3	2 303.5	2 959.7	-22.2	22.6	26.6	-15.1
Not reported	22.3	N	N	547.4	N	N	24.5	N	N
Not reported	8.0	V	N	72.9	V	N	9.2	V	N
Combinations:									
Single-unit trucks with trailer:	1 646.6	1 811.6	-9.1	94 013.9	105 896.9	-11.2	57.1	58.5	-2.3
3 axles	258.3	267.8	-3.5	3 843.7	4 772.0	-19.5	14.9	17.8	-16.5
4 axles	55.1	44.1	25.0	687.9	488.8	40.7	12.5	11.1	12.6
5 axles or more	137.5	145.5	-5.5	1 647.4	2 068.1	-20.3	12.0	14.2	-15.7
Not reported	54.8	78.2	-30.0	1 290.1	2 215.1	-41.8	23.6	28.3	-16.8
Truck-tractors with single trailer:	10.9	N	N	218.4	N	N	20.0	N	N
3 axles	1 320.1	1 438.2	-8.2	84 307.7	92 221.6	-8.6	63.9	64.1	-.4
4 axles	61.3	78.0	-21.4	1 404.5	2 183.2	-35.7	22.9	28.0	-18.1
5 axles or more	127.9	211.7	-39.6	4 594.3	8 808.8	-47.8	35.9	41.6	-13.6
Not reported	1 034.5	1 148.5	-9.9	73 112.2	81 229.5	-10.0	70.7	70.7	-.1
Truck-tractors with double trailers:	96.4	N	N	5 196.7	N	N	53.9	N	N
5 axles	66.6	101.0	-34.0	5 617.4	8 466.7	-33.7	84.3	83.8	.6
6 axles	38.9	56.3	-30.9	3 558.0	4 730.3	-24.8	91.5	84.1	8.9
7 axles	10.8	24.0	-55.2	934.7	2 239.3	-58.3	86.9	93.3	-6.8
8 axles or more	5.3	11.0	-52.1	313.5	787.9	-60.2	59.6	71.7	-16.9
Not reported	9.5	9.8	-3.0	664.9	709.2	-6.3	70.2	72.6	-3.4
Truck-tractors with triple trailers:	2.3	N	N	146.3	N	N	64.8	N	N
7 axles	1.5	4.5	-65.6	245.1	436.6	-43.9	158.6	97.1	63.3
8 axles	1.2	S	S	220.1	S	S	189.4	S	S
9 axles	S	3.0	S	S	302.6	S	S	99.9	S
10 axles or more	S	1.2	S	S	111.7	S	S	95.1	S
Not reported	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Driving axles:									
1	3 575.9	3 802.9	-6.0	52 920.6	62 757.8	-15.7	14.8	16.5	-10.3
2	1 907.5	1 800.0	6.0	91 660.3	91 029.0	.7	48.1	50.6	-5.0
3 or more	22.8	62.0	-63.3	376.0	3 579.8	-89.5	16.5	57.8	-71.4
Not reported	14.4	V	N	215.6	V	N	15.0	V	N
Total liftable axles and locations ⁵ :									
None	5 292.6	1 910.2	177.1	139 553.4	58 052.2	140.4	26.4	30.4	-13.2
1	1 750.0	1 381.1	26.8	4 451.5	3 632.9	22.5	25.4	26.3	-3.3
Forward of the drive axle	103.7	N	N	2 976.9	N	N	28.7	N	N
Below the chassis	30.6	N	N	588.4	N	N	19.2	N	N
Beyond the chassis	14.1	N	N	234.1	N	N	16.6	N	N
Not reported	26.6	N	N	652.2	N	N	24.5	N	N
2 or more	25.2	31.1	-18.9	651.5	741.4	-12.1	25.9	23.9	8.4
Forward of the drive axle	21.6	N	N	527.8	N	N	24.5	N	N
Below the chassis	9.4	N	N	235.6	N	N	24.9	N	N
Beyond the chassis	6.9	N	N	129.6	N	N	18.8	N	N
Not reported	1.2	N	N	32.7	N	N	28.1	N	N
Not reported	27.7	N	N	516.2	N	N	18.6	N	N
Total liftable axles and number of braking axles:									
None	5 292.6	1 910.2	177.1	139 553.4	58 052.2	140.4	26.4	30.4	-13.2
1	1 750.0	1 381.1	26.8	4 451.5	3 632.9	22.5	25.4	26.3	-3.3
0 braking	25.3	N	N	576.7	N	N	22.8	N	N
1 braking	140.5	N	N	3 687.4	N	N	26.2	N	N
Not reported	9.2	N	N	187.4	N	N	20.3	N	N
2 or more	25.2	31.1	-18.9	651.5	741.4	-12.1	25.9	23.9	8.4
0 braking	.9	N	N	18.9	N	N	21.6	N	N
1 braking	.9	N	N	26.0	N	N	27.8	N	N
2 or more braking	22.6	N	N	583.4	N	N	25.8	N	N
Not reported	.8	N	N	23.1	N	N	29.6	N	N
Not reported	27.7	N	N	516.2	N	N	18.6	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	4 878.7	4 240.5	15.1	127 623.2	124 168.8	2.8	26.2	29.3	-10.7
With sleeper	568.6	N	N	49 177.6	N	N	86.5	N	N
Without sleeper	4 220.0	N	N	72 741.0	N	N	17.2	N	N
Not reported	90.2	N	N	5 704.7	N	N	63.2	N	N
Cab over engine	603.7	705.8	-14.5	17 088.5	19 006.7	-10.1	28.3	26.9	5.1
With sleeper	109.0	N	N	7 042.5	N	N	64.6	N	N
Without sleeper	479.6	N	N	8 994.1	N	N	18.8	N	N
Not reported	15.1	N	N	1 051.9	N	N	69.7	N	N
Cab forward of engine	17.4	181.5	-90.4	284.3	3 335.9	-91.5	16.3	18.4	-11.1
Cab beside engine	9.3	37.6	-75.2	101.0	531.5	-81.0	10.9	14.2	-23.3
Not reported	11.4	N	N	75.4	N	N	6.6	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 .....	.4	.3	.5	.7	.6	.8	.6	.5	.7
BUSINESS									
For-hire transportation or warehousing	1.8	1.1	2.3	1.3	1.0	1.5	1.2	.8	1.3
Vehicle leasing or rental	3.1	3.6	7.3	4.9	3.9	10.2	2.6	2.8	4.1
Agriculture, forestry, fishing, or hunting	1.2	1.3	1.4	2.6	2.3	2.4	2.3	2.0	2.6
Mining	3.9	4.0	5.9	5.6	5.1	7.8	4.5	4.0	5.9
Utilities	3.2	4.0	4.6	4.3	5.0	6.4	3.1	3.2	4.7
Construction	1.2	1.3	1.6	1.8	1.7	2.1	1.5	1.3	1.9
Manufacturing	3.7	3.2	4.3	3.6	3.1	2.9	3.9	2.8	3.4
Wholesale trade	2.3	2.2	2.1	2.9	2.5	2.0	2.0	1.8	2.2
Retail trade	2.1	2.4	2.4	3.3	2.8	3.6	2.6	2.0	3.5
Information services	6.0	N	N	7.9	N	N	4.8	N	N
Waste management, landscaping, or administrative/support services	2.7	N	N	3.5	N	N	2.4	N	N
Arts, entertainment, or recreation services	8.5	N	N	13.8	N	N	9.9	N	N
Accommodation or food services	4.6	N	N	6.8	N	N	5.3	N	N
Other services	3.6	N	N	5.1	N	N	3.8	N	N
Personal transportation	9.5	4.1	2.7	8.7	6.9	3.6	8.9	5.5	13.3
Not reported	2.5	N	N	3.1	N	N	2.6	N	N
Not applicable ¹	2.8	4.4	7.0	10.9	24.5	126.2	10.4	23.9	91.8
BODY TYPE									
Single-unit trucks .....	.5	.5	.7	1.3	1.0	1.6	1.1	.9	1.3
Armored	38.4	N	N	33.6	N	N	9.5	N	N
Beverage	7.1	9.5	12.0	7.8	10.5	12.4	4.2	5.9	6.8
Concrete mixer	3.2	3.4	5.0	4.2	3.9	6.3	2.5	1.9	3.2
Concrete pumper	12.8	N	N	19.1	N	N	12.1	N	N
Crane	9.5	6.1	3.8	16.7	7.7	3.3	13.2	7.0	7.9
Curtainside	15.8	N	N	19.8	N	N	13.9	N	N
Dump	1.5	1.8	2.9	2.2	2.3	3.4	1.9	2.0	2.3
Flatbed, stake, or platform	1.5	1.4	1.5	2.4	2.3	2.5	2.1	1.9	2.7
Low boy	18.6	8.8	2.8	26.9	13.5	1.6	21.6	9.1	9.1
Pole, logging, pulpwood, or pipe	6.5	7.3	7.9	8.8	10.1	10.9	7.4	7.6	10.7
Service, utility	2.8	4.2	8.7	4.2	5.5	13.4	2.9	3.5	5.1
Service, other	3.1	4.5	7.2	4.2	5.2	10.2	2.8	3.8	5.4
Street sweeper	16.0	N	N	15.5	N	N	12.3	N	N
Tank, dry bulk	6.6	9.7	19.7	12.3	12.5	17.5	10.6	9.8	8.6
Tank, liquids or gases	3.0	3.4	4.6	4.4	5.2	5.7	3.3	4.0	4.3
Tow/Wrecker	4.8	5.1	8.0	7.2	7.0	11.9	6.0	5.5	8.4
Trash, garbage, or recycling	3.3	4.2	5.9	4.2	5.1	7.3	2.7	3.7	4.6
Vacuum	8.9	N	N	11.9	N	N	7.9	N	N
Van, basic enclosed	2.0	2.4	4.6	4.5	3.3	6.9	3.2	2.3	3.3
Van, insulated nonrefrigerated	9.7	16.6	35.0	13.4	17.5	32.5	10.6	13.8	14.1
Van, insulated refrigerated	4.8	5.6	8.2	5.9	6.6	9.1	3.1	3.9	4.7
Van, open top	2.6	2.4	2.2	6.2	5.6	4.2	5.5	5.2	6.1
Van, step, walk-in, or multistop	4.2	2.5	3.6	6.4	3.3	5.3	2.8	2.1	3.6
Van, other	5.5	N	N	7.6	N	N	5.0	N	N
Other	33.1	N	N	S	N	N	S	N	N
Truck-tractors .....	.5	.5	.7	.8	.7	.9	.7	.6	.8
Automobile carrier	9.7	9.8	16.4	11.1	10.7	18.3	5.5	6.0	8.2
Beverage	6.7	7.8	11.9	8.2	9.6	12.8	5.7	4.7	6.4
Curtainside	16.1	N	N	18.5	N	N	10.7	N	N
Dump	2.6	3.2	5.5	3.8	3.7	6.2	2.5	2.3	2.9
Flatbed, stake, or platform	2.3	2.0	2.5	3.1	2.3	2.8	2.0	1.5	2.2
Livestock	8.7	7.3	11.7	10.1	8.6	11.2	6.9	5.8	7.4
Low boy	3.8	3.3	3.4	6.5	5.7	5.7	4.9	4.6	6.5
Mobile home toter	13.5	N	N	22.3	N	N	17.1	N	N
Open top	3.2	3.2	3.8	5.5	4.6	5.4	4.0	3.3	4.6
Pole, logging, pulpwood, or pipe	5.5	4.9	4.8	7.4	5.5	6.1	4.2	3.4	5.5
Tank, dry bulk	6.1	6.5	10.4	7.8	7.2	11.9	4.5	3.5	5.4
Tank, liquids or gases	3.7	3.3	4.7	4.4	3.8	5.4	2.3	2.1	2.9
Van, basic enclosed	1.2	1.2	1.6	1.4	1.3	2.0	.9	.8	1.3
Van, drop-frame	9.8	5.4	4.9	13.1	6.8	7.3	8.7	4.0	10.9
Van, insulated nonrefrigerated	7.7	5.6	5.9	8.4	5.5	5.7	4.3	2.6	4.6
Van, insulated refrigerated	2.9	2.5	3.0	3.4	2.6	3.2	1.6	1.4	2.1
Other	22.0	N	N	27.2	N	N	25.7	N	N
Not applicable ²	5.8	N	N	S	N	N	S	N	N
ANNUAL MILES									
Less than 5,000	1.1	1.1	1.5	1.4	1.5	2.0	.9	1.0	1.3
5,000 to 9,999	1.6	1.7	2.2	1.6	1.8	2.4	.3	.4	.6
10,000 to 19,999	1.2	1.5	1.8	1.2	1.5	1.9	.3	.3	.5
20,000 to 29,999	2.6	1.9	3.7	2.6	1.9	3.8	.2	.2	.3
30,000 to 49,999	2.1	1.9	2.6	2.0	1.9	2.6	.3	.3	.4
50,000 to 74,999	2.9	1.8	2.8	3.0	1.8	3.0	.3	.2	.4
75,000 or more	1.1	1.0	1.3	1.2	1.0	1.4	.4	.3	.5
Not applicable ¹	2.8	5.0	9.7	10.9	N	N	10.4	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	2.9	2.6	2.0	6.4	4.5	8.5	5.8	4.1	14.7
50 miles or less .....	.8	.7	1.0	1.4	1.1	2.0	1.0	.9	1.5
51 to 100 miles	1.5	1.5	1.5	1.9	1.7	1.8	1.4	1.2	1.8
101 to 200 miles	2.2	2.2	1.8	2.6	2.0	2.0	1.7	1.5	2.4
201 to 500 miles	3.7	1.9	2.3	3.7	1.8	2.5	1.6	1.4	2.4
501 miles or more	2.0	1.5	1.7	2.2	1.5	1.6	1.3	.9	1.4
Not reported	1.6	5.0	28.0	2.0	N	N	1.6	N	N
Not applicable	2.8	N	N	10.9	N	N	10.4	N	N
PRIMARY JURISDICTION									
Operated in Canada	29.1	N	N	42.7	N	N	27.8	N	N
Operated in Mexico	44.4	N	N	45.4	N	N	16.5	N	N
Operated within the home base state .....	.6	N	N	1.1	N	N	.8	N	N
Operated in states other than the home base state	1.4	N	N	1.6	N	N	1.0	N	N
Not reported	1.8	N	N	2.2	N	N	1.7	N	N
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
MONTHS OPERATED									
12 .....	.8	N	N	.9	N	N	.7	N	N
7 to 11	1.3	N	N	1.8	N	N	1.5	N	N
2 to 6	1.3	N	N	2.6	N	N	2.4	N	N
1 or less	2.1	N	N	7.9	N	N	7.5	N	N
Vehicle not used	2.8	N	N	10.9	N	N	10.4	N	N
VEHICLE SIZE									
Light	1.9	1.5	1.7	5.4	2.4	4.0	4.4	1.9	4.8
Medium	1.6	1.4	2.3	2.9	2.2	3.9	1.7	1.6	2.5
Light-heavy	1.4	1.7	2.7	2.4	2.9	4.3	1.9	2.3	2.8
Heavy-heavy .....	.5	.5	.7	.7	.6	.8	.7	.6	.8
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	4.3	4.3	2.5	7.8	7.1	5.1	6.0	5.5	9.5
6,001 to 8,500	2.6	N	N	3.8	N	N	2.8	N	N
8,501 to 10,000	3.4	N	N	9.4	N	N	7.6	N	N
10,001 to 14,000	1.6	2.1	2.7	2.4	3.0	3.8	1.7	2.1	2.7
14,001 to 16,000	3.6	3.0	4.8	6.5	4.4	9.4	4.2	3.4	6.3
16,001 to 19,500	5.1	3.4	6.6	8.7	5.3	11.6	4.3	3.9	6.0
19,501 to 26,000	1.4	1.7	2.7	2.4	2.9	4.3	1.9	2.3	2.8
26,001 to 33,000	2.0	2.1	2.9	3.2	3.6	4.0	2.5	2.7	3.0
33,001 to 40,000	2.5	2.3	3.1	4.3	3.1	3.1	3.7	2.5	2.9
40,001 to 50,000	1.9	1.6	2.0	3.1	2.4	2.0	2.6	1.9	2.1
50,001 to 60,000	1.6	1.7	2.5	3.3	2.4	2.9	2.7	1.7	2.1
60,001 to 80,000 .....	.6	.7	1.1	.9	.9	1.3	.7	.6	.9
80,001 to 100,000	3.4	3.4	7.1	4.5	4.2	7.5	2.9	2.5	3.1
100,001 to 130,000	4.7	5.1	10.2	7.3	6.4	14.5	4.8	3.7	6.2
130,001 or more	9.3	10.3	14.7	10.5	11.7	16.7	5.4	5.6	7.7
TOTAL LENGTH (FEET)									
Less than 20.0	1.5	1.4	2.2	2.7	2.2	3.9	1.8	1.7	2.5
20.0 to 27.9	1.0	.9	1.1	2.7	1.6	2.6	2.2	1.3	2.6
28.0 to 35.9	1.4	1.8	2.5	2.1	2.6	3.3	1.5	1.9	2.2
36.0 to 40.9	2.4	3.5	6.9	3.5	4.5	10.6	2.7	3.1	4.7
41.0 to 44.9	5.0	4.8	10.2	4.8	6.2	12.1	4.7	4.4	6.8
45.0 to 49.9	3.2	3.6	5.9	4.7	5.0	8.4	3.5	3.8	5.1
50.0 to 54.9	2.7	2.7	4.0	3.8	3.4	4.8	2.7	2.4	3.3
55.0 to 59.9	2.1	1.7	1.8	2.9	2.0	2.0	1.9	1.3	2.0
60.0 to 64.9	1.7	1.4	1.6	2.4	1.7	1.8	1.5	1.0	1.5
65.0 to 69.9	1.8	1.7	2.2	2.3	1.9	2.5	1.2	1.0	1.5
70.0 to 74.9	2.2	2.5	4.5	2.5	2.8	5.5	1.2	1.4	1.9
75.0 to 79.9	4.0	N	N	4.4	N	N	1.7	N	N
80.0 or more	7.2	N	N	11.5	N	N	7.5	N	N
MILES PER GALLON									
Less than 5	1.5	1.5	1.9	2.3	1.9	2.3	1.9	1.6	2.1
5 to 6.9 .....	.8	.8	.8	1.1	.8	1.1	.9	.8	1.2
7 to 8.9	1.5	1.4	1.5	2.5	2.0	2.4	2.1	1.6	2.6
9 to 10.9	2.5	1.8	2.8	4.4	2.4	4.5	2.6	1.9	3.1
11 to 12.9	2.7	2.8	3.9	3.3	3.6	5.0	2.9	2.6	4.0
13 to 14.9	3.5	4.7	5.3	4.7	6.2	6.5	3.3	4.4	5.1
15 or more	3.0	3.3	3.4	4.1	4.6	4.2	2.9	3.0	3.8
15 to 20.9	3.0	3.2	3.5	4.1	4.1	4.3	2.9	2.8	3.7
21 to 24.9	N	29.8	N	N	40.8	N	N	26.4	N
25 or more	N	43.0	N	N	S	S	N	S	S
Not reported	1.4	2.2	4.9	2.3	3.1	9.9	1.6	2.7	4.2
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	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	6.6	N	N	7.6	N	N	5.2	N	N
2002	3.0	N	N	3.6	N	N	2.5	N	N
2001	2.3	N	N	2.9	N	N	2.0	N	N
2000	2.0	N	N	2.3	N	N	1.8	N	N
1999	2.6	N	N	3.4	N	N	1.8	N	N
1998	2.8	S	S	2.9	S	S	2.2	S	S
1997	3.3	2.7	4.5	3.7	2.5	2.9	2.1	2.2	1.8
1996	2.5	2.6	2.8	3.0	2.3	1.6	2.2	2.1	1.6
1995	2.1	2.2	2.4	2.8	2.1	1.5	2.1	1.7	1.5
1994	2.5	2.5	2.7	3.1	2.4	1.5	2.3	1.9	1.5
1993	2.7	2.6	3.0	3.8	2.8	1.8	3.0	2.1	1.8
Pre-1993 .....	.9	.5	.6	1.8	.9	.7	1.4	.8	.9
VEHICLE ACQUISITION									
New	1.0	.8	1.4	1.1	.9	1.5	.8	.8	1.2
Used .....	.6	.7	.9	1.2	1.2	1.6	1.1	1.0	1.5
Not reported	2.3	1.9	2.0	2.7	1.8	1.4	2.1	1.5	1.6
LEASE CHARACTERISTICS									
Leased	1.4	N	N	1.7	N	N	1.2	N	N
Lessee	2.0	N	N	2.5	N	N	1.9	N	N
Vehicle only	2.1	N	N	2.7	N	N	2.0	N	N
Vehicle with driver	6.4	N	N	6.8	N	N	3.0	N	N
Not reported	25.2	N	N	27.1	N	N	23.4	N	N
Lessor	2.2	N	N	2.5	N	N	1.7	N	N
Vehicle only	2.4	N	N	2.7	N	N	1.9	N	N
Vehicle with driver	5.7	N	N	6.9	N	N	3.5	N	N
Not reported	28.1	N	N	29.8	N	N	24.6	N	N
Not leased	9.0	N	N	11.1	N	N	9.0	N	N
Not reported .....	.8	N	N	1.2	N	N	.9	N	N
Not reported .....	.9	N	N	1.5	N	N	1.3	N	N
Length of leasing agreement:									
Leased	1.4	N	N	1.7	N	N	1.2	N	N
1 to 11 months	5.3	N	N	5.9	N	N	4.3	N	N
12 months or more	1.5	N	N	1.8	N	N	1.3	N	N
Not reported	11.1	N	N	12.4	N	N	10.7	N	N
Provisions of lease:									
Financing only	2.0	N	N	2.4	N	N	1.8	N	N
Full maintenance	2.5	N	N	2.8	N	N	1.9	N	N
Payment of taxes	2.4	N	N	2.5	N	N	1.7	N	N
Obtaining licenses and permits	2.3	N	N	2.5	N	N	1.7	N	N
Recordkeeping	3.3	N	N	3.5	N	N	2.4	N	N
Fuel contract	4.9	N	N	5.2	N	N	3.5	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private .....	.5	N	N	1.0	N	N	.9	N	N
Motor carrier	1.9	N	N	1.4	N	N	1.3	N	N
Owner operator	1.8	N	N	2.2	N	N	1.5	N	N
Rental	2.9	N	N	4.7	N	N	2.6	N	N
Personal transportation	9.5	N	N	8.7	N	N	8.9	N	N
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
For-hire characteristics:									
Type of carrier:									
Contract	2.8	N	N	1.8	N	N	1.9	N	N
Common	1.5	N	N	1.9	N	N	1.4	N	N
Not reported	3.6	N	N	3.8	N	N	2.9	N	N
Not applicable ³ .....	.4	N	N	1.1	N	N	.9	N	N
Type of service:									
Truckload	1.0	1.2	2.2	1.2	1.3	2.1	.9	.8	1.0
Less-than truckload	4.8	2.5	6.7	3.9	2.5	4.0	2.6	1.9	2.3
Not reported	3.6	N	N	3.9	N	N	3.0	N	N
Not applicable ³ .....	.4	N	N	1.1	N	N	.9	N	N
Source of hauls:									
Shippers or receivers	2.0	N	N	1.4	N	N	1.4	N	N
Brokers	3.8	N	N	4.1	N	N	2.6	N	N
Centralized markets or exchanges	7.8	N	N	10.9	N	N	6.6	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	2.5	N	N	2.9	N	N	2.2	N	N
Not applicable ³ .....	.4	N	N	1.1	N	N	.9	N	N
HAZARDOUS MATERIALS CARRIED⁴									
Carrying hazardous materials	1.9	1.8	2.4	2.4	2.0	2.9	1.6	1.5	2.3
Not carrying hazardous materials .....	.6	.4	.6	.9	.7	.9	.7	.6	.9
Not reported	1.5	1.7	2.0	2.2	2.2	2.8	1.8	1.8	2.7
Not applicable ⁵	2.0	N	N	4.5	N	N	3.5	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	3.9	N	N	5.0	N	N	3.3	N	N
Air bag(s) (safety device only)	2.0	2.0	3.9	2.7	1.7	2.7	1.7	1.6	1.4
Air compressor (except air brakes)	2.0	N	N	2.4	N	N	1.9	N	N
Air-conditioning	.6	.8	1.2	.8	.7	1.1	.7	.7	.8
Air springs	1.1	N	N	1.4	N	N	.9	N	N
Antilock brake system	1.0	1.7	4.1	1.2	1.6	4.0	.9	1.4	1.6
Collision warning system	5.1	N	N	6.5	N	N	4.7	N	N
Computerized drive train control unit	2.8	N	N	3.3	N	N	2.3	N	N
Crane	3.9	N	N	5.4	N	N	3.7	N	N
Electronic vehicle identification device	3.1	2.9	4.2	3.4	2.8	4.4	1.7	1.9	2.6
Engine retarder/brake	.8	1.0	1.5	1.2	1.1	1.7	.8	.8	1.1
Front-wheel drive	N	S	S	N	S	S	N	S	S
Hoist	1.4	N	N	2.5	N	N	2.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	4.4	N	N	3.6	N	N	2.6	N	N
Internet access	9.3	N	N	8.3	N	N	6.5	N	N
Lift gate	2.5	N	N	3.3	N	N	2.2	N	N
Mounting bar for snowplow	4.5	N	N	6.3	N	N	4.5	N	N
Navigational system	8.1	3.9	2.9	8.4	4.3	2.7	5.0	2.6	5.0
Power take-off	.9	N	N	1.5	N	N	1.3	N	N
Radial tires	.7	.6	.8	.9	.7	.9	.7	.6	.9
Reflective material in addition to those required by law	1.6	1.1	1.2	2.1	1.2	1.2	1.5	1.1	1.4
Road speed governor	1.4	.9	1.6	1.3	1.0	1.5	1.0	.8	1.3
Toolbox	1.1	N	N	1.6	N	N	1.3	N	N
Trip recorder or on-board computer with communication capabilities	5.0	N	N	2.8	N	N	3.4	N	N
Trip recorder or on-board computer without communication capabilities	2.6	N	N	3.2	N	N	2.2	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	2.8	N	N	4.1	N	N	3.4	N	N
Transmission type:									
Automatic	1.1	N	N	1.7	N	N	1.4	N	N
Manual	.6	N	N	.9	N	N	.7	N	N
Semiautomated manual	7.2	N	N	8.9	N	N	7.1	N	N
Automated manual	8.5	N	N	10.7	N	N	6.2	N	N
Not reported	2.3	N	N	2.6	N	N	2.0	N	N
Braking system:									
Hydraulic (standard)	1.0	1.3	2.0	2.9	2.2	4.9	2.4	1.8	3.3
Hydraulic with power assist	1.7	1.2	1.7	3.2	1.9	2.9	2.0	1.4	2.3
Air	.5	.5	.7	.8	.7	.9	.7	.6	.9
Other	N	6.3	N	N	8.0	N	N	5.7	N
Not reported	2.7	N	N	2.5	N	N	2.4	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1.1	.9	1.1	3.4	1.9	3.1	3.0	1.5	3.4
Diesel	.6	.5	.9	.7	.6	.9	.6	.6	.7
Natural gas	31.8	N	N	36.9	N	N	22.2	N	N
Propane	7.9	N	N	10.0	N	N	6.9	N	N
Alcohol fuels	26.1	N	N	S	N	N	S	N	N
Electricity	S	N	N	S	N	N	S	N	N
Combination	12.4	N	N	19.2	N	N	13.5	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	15.5	N	N	20.3	N	N	15.2	N	N
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
Cylinders ⁶ :									
4 cylinders	2.2	3.6	6.2	2.9	3.7	6.2	1.9	2.6	2.9
6 cylinders	.6	.7	1.0	.8	.7	1.0	.7	.6	.8
8 cylinders	1.1	1.0	1.4	2.3	1.7	2.5	1.6	1.3	1.9
Other	1.6	1.2	1.1	3.2	2.3	1.4	2.9	2.1	2.2
Cubic inch displacement ⁶ :									
Gasoline fuel	1.1	.9	1.1	3.4	1.9	3.1	3.0	1.5	3.4
Less than 200	11.9	15.1	18.3	15.2	18.3	18.7	8.5	10.4	11.1
200 to 299	11.9	6.9	10.1	34.2	8.9	34.0	23.6	5.1	31.7
300 to 349	9.1	8.5	14.7	7.3	17.3	26.7	8.5	13.6	19.2
350 to 399	1.7	1.8	2.1	2.5	2.7	2.9	2.0	2.1	2.6
400 or more	2.4	2.8	3.5	3.5	4.0	4.4	2.4	2.8	3.1
Not available	2.1	1.7	1.4	5.1	3.5	2.6	4.5	3.0	4.3
Diesel fuel	.6	.5	.9	.7	.6	.9	.6	.6	.7
Less than 400	1.7	2.4	3.4	2.2	3.0	3.7	1.4	2.0	2.1
400 to 599	1.7	1.6	3.4	2.4	2.2	4.1	1.3	1.5	1.7
600 to 799	.9	1.1	1.7	1.3	1.3	2.1	.9	.9	1.2
800 or more	1.1	.9	1.1	1.7	1.2	1.4	1.1	.8	1.1
Not available	1.6	1.4	1.4	2.7	2.1	2.7	2.2	1.7	3.4
Other fuel	6.6	7.6	9.7	8.9	9.3	12.1	6.1	6.7	8.9
Less than 400	11.6	12.2	13.0	16.1	13.9	13.3	11.0	8.7	11.4
400 or more	9.1	11.1	21.6	11.3	14.3	25.0	6.9	9.6	10.8
Not available	17.3	17.3	14.1	28.4	22.3	15.9	21.4	14.4	19.7
Not reported	15.5	N	N	20.3	N	N	15.2	N	N
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	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 .....	.7	N	N	1.7	N	N	1.4	N	N
Truck stop	1.0	N	N	1.3	N	N	1.0	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1.3	N	N	1.6	N	N	1.2	N	N
Other company's/contractor's facility not open to the public	3.4	N	N	4.9	N	N	3.8	N	N
Other	41.8	N	N	45.6	N	N	42.6	N	N
Not reported	2.9	N	N	3.6	N	N	2.5	N	N
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	7.6	10.6	37.5	9.5	14.4	32.9	9.7	16.3	12.6
Company-owned maintenance facility	1.0	.8	1.4	1.1	.9	1.6	.8	.8	1.1
General repair business or private mechanic .....	.9	1.2	1.9	1.3	1.5	2.5	1.1	1.3	1.7
Dealership service department	1.6	2.0	2.7	2.1	2.0	3.4	1.6	1.7	2.6
Leasing company	4.5	4.6	4.4	5.1	4.3	3.9	3.7	2.8	3.9
Individual not employed/paid by any maintenance type facility:									
Other	1.1	1.0	.8	2.0	1.4	1.2	1.8	1.3	1.9
Not reported	N	8.0	N	N	9.5	N	N	7.7	N
Not reported	3.0	2.0	1.8	3.5	2.5	2.1	2.5	2.0	3.2
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
Extensive repairs performed by:									
None performed .....	.6	4.0	108.4	1.0	5.7	213.1	.8	5.2	7.3
Company-owned maintenance facility	2.1	1.3	.7	2.9	1.4	.9	2.3	1.2	2.5
General repair business or private mechanic	1.9	1.3	.8	2.6	1.6	1.5	2.0	1.3	3.3
Dealership service department	2.5	1.4	.8	3.1	1.5	1.0	2.3	1.2	2.7
Leasing company	11.4	6.0	1.9	14.5	5.5	1.9	10.7	3.5	9.1
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	6.1	2.4	.9	6.5	2.5	.9	5.0	2.0	5.0
Other	N	8.9	N	N	12.4	N	N	10.2	N
Not reported	20.2	.9	.1	26.0	1.3	-	15.2	1.2	10.1
Not applicable ¹	2.8	N	N	10.9	N	N	10.4	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer:									
2 axles .....	.6	.5	.8	1.4	1.0	1.8	1.1	.9	1.4
3 axles .....	.7	.6	.9	1.7	1.3	2.1	1.3	1.1	1.7
4 axles	1.2	1.4	1.8	2.1	2.3	2.9	1.8	1.8	2.4
5 axles or more	2.4	2.5	3.2	3.1	3.1	3.4	2.1	2.0	2.5
Not reported	5.1	N	N	6.5	N	N	3.9	N	N
Combinations	10.1	N	N	28.7	N	N	27.4	N	N
Truck-tractors with single trailer:									
3 axles .....	.6	.6	.8	.7	.7	.9	.7	.6	.9
4 axles	3.0	3.0	4.1	4.0	4.1	4.6	3.2	3.1	3.7
5 axles or more	6.3	8.7	13.4	9.4	12.1	21.6	6.7	8.4	12.1
Not reported	4.8	4.2	6.0	6.4	6.5	7.2	5.0	4.7	5.8
Truck-tractors with double trailers:	4.2	4.3	4.2	6.1	5.9	5.0	4.9	4.4	5.5
5 axles	13.3	N	N	20.3	N	N	12.5	N	N
6 axles .....	.5	.6	.7	.8	.7	1.0	.7	.6	.9
7 axles	4.8	4.2	5.0	6.1	5.7	5.4	4.2	4.0	4.8
8 axles or more	3.3	2.5	2.5	4.4	3.0	2.8	3.1	2.1	3.2
Not reported .....	.6	.6	.8	.9	.8	1.1	.7	.6	.9
Truck-tractors with triple trailers:	3.3	N	N	4.2	N	N	2.6	N	N
5 axles	4.3	3.4	3.6	5.3	3.8	4.3	2.8	2.3	3.6
6 axles	6.3	5.1	5.6	7.0	5.6	6.8	3.6	3.4	5.4
7 axles	11.1	7.0	5.9	14.1	7.7	6.7	7.8	4.3	8.3
8 axles or more	11.9	8.3	7.0	16.9	9.3	7.7	8.2	5.2	8.1
Not reported	7.7	7.4	10.3	10.8	7.7	12.4	6.4	4.0	7.3
Truck-tractors with quadruple trailers:	22.1	N	N	27.7	N	N	13.6	N	N
7 axles	28.1	12.7	10.6	33.2	13.2	20.1	12.4	5.0	21.9
8 axles	34.5	S	S	36.8	S	S	7.8	S	S
9 axles	S	15.5	S	S	16.2	S	S	5.9	S
10 axles or more	S	25.4	S	S	24.2	S	S	10.5	S
Not reported	S	N	N	S	N	N	S	N	N
Driving axles:									
1 .....	.6	.5	.8	1.5	1.1	1.6	1.2	.9	1.4
2 .....	.5	.6	.8	.7	.8	1.1	.7	.7	.9
3 or more	5.3	3.9	2.4	7.5	5.0	.9	5.4	3.5	1.8
Not reported	8.0	N	N	16.0	N	N	13.9	N	N
Total liftable axles and locations:									
None .....	.4	.9	2.7	.7	1.1	3.2	.6	1.0	1.0
1	2.0	2.9	4.4	2.9	3.3	5.4	2.2	2.6	3.3
Forward of the drive axle	2.4	N	N	3.6	N	N	2.6	N	N
Below the chassis	5.2	N	N	8.3	N	N	6.9	N	N
Beyond the chassis	8.2	N	N	11.0	N	N	7.1	N	N
Not reported	5.7	N	N	7.7	N	N	5.4	N	N
2 or more	5.2	9.0	8.5	6.0	7.7	8.6	3.9	8.4	10.0
Forward of the drive axle	5.6	N	N	6.2	N	N	4.2	N	N
Below the chassis	7.9	N	N	10.4	N	N	6.7	N	N
Beyond the chassis	8.4	N	N	9.9	N	N	5.4	N	N
Not reported	22.5	N	N	27.8	N	N	16.0	N	N
Not reported	7.5	N	N	9.3	N	N	8.6	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 .....	.4	.9	2.7	.7	1.1	3.2	.6	1.0	1.0
1	2.0	2.9	4.4	2.9	3.3	5.4	2.2	2.6	3.3
0 braking	5.3	N	N	8.0	N	N	6.3	N	N
1 braking	2.2	N	N	3.2	N	N	2.4	N	N
Not reported	10.1	N	N	15.3	N	N	11.5	N	N
2 or more	5.2	9.0	8.5	6.0	7.7	8.6	3.9	8.4	10.0
0 braking	23.0	N	N	28.2	N	N	18.7	N	N
1 braking	25.0	N	N	30.4	N	N	18.6	N	N
2 or more braking	5.7	N	N	6.5	N	N	4.2	N	N
Not reported	23.4	N	N	30.7	N	N	16.8	N	N
Not reported	7.5	N	N	9.3	N	N	8.6	N	N
CAB TYPE									
Conventional cab .....	.5	.5	.7	.8	.7	1.1	.6	.6	.8
With sleeper	1.1	N	N	1.4	N	N	.8	N	N
Without sleeper .....	.5	N	N	1.2	N	N	.9	N	N
Not reported	3.6	N	N	4.4	N	N	2.2	N	N
Cab over engine	1.2	1.6	1.7	2.3	2.0	2.7	1.8	1.6	2.6
With sleeper	3.2	N	N	4.7	N	N	2.8	N	N
Without sleeper	1.4	N	N	2.1	N	N	1.6	N	N
Not reported	10.1	N	N	12.4	N	N	5.3	N	N
Cab forward of engine	9.5	3.8	1.0	13.8	4.6	1.2	7.4	3.2	7.2
Cab beside engine	12.3	8.6	3.7	17.0	12.1	4.0	10.6	8.6	10.5
Not reported	34.2	N	N	25.9	N	N	26.5	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	85 174.8	79 759.6	1 914.0	910.3	2 590.9	X
Coefficient of variation (percent) .....	.2	.2	3.3	2.2	.5	X
BUSINESS¹						
For-hire transportation or warehousing	1 280.2	285.7	164.0	92.3	738.3	3.4
Vehicle leasing or rental	859.2	576.6	98.5	66.9	117.2	7.8
Agriculture, forestry, fishing, or hunting	2 239.9	1 434.0	227.1	177.1	401.7	3.7
Mining	177.6	91.1	15.7	9.0	61.8	11.4
Utilities	679.3	495.6	76.2	38.6	68.8	8.3
Construction	4 541.5	3 646.8	324.9	142.0	427.8	3.3
Manufacturing	782.9	590.7	40.9	30.7	120.6	8.5
Wholesale trade	735.9	483.5	74.1	51.9	126.5	7.5
Retail trade	1 530.5	1 221.9	107.9	69.2	131.5	5.7
Information services	376.6	324.2	42.0	4.4	6.1	14.2
Waste management, landscaping, or administrative/support services	743.2	467.2	101.4	41.8	132.7	7.7
Arts, entertainment, or recreation services	187.1	166.3	9.9	4.3	6.5	17.6
Accommodation or food services	284.3	224.0	21.6	10.8	27.9	12.8
Other services	2 127.3	2 017.6	71.4	18.5	19.8	5.3
Personal transportation	65 343.0	64 948.5	370.0	S	3.4	.5
Not reported	1 308.2	991.9	114.0	71.1	131.3	6.6
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
BODY TYPE						
Single-unit trucks	83 752.9	79 759.6	1 914.0	885.6	1 193.6	.2
Pickup	37 991.1	37 354.3	608.0	S	S	.3
Minivan	12 207.3	12 206.4	S	V	V	2.0
Other light vans	5 251.4	5 209.5	41.9	V	V	3.3
Sport utility	24 204.4	24 181.9	22.5	V	V	1.1
Armored	11.3	S	2.0	3.6	1.3	38.4
Beverage	41.6	.6	4.4	13.9	22.7	7.1
Concrete mixer	77.0	S	S	.1	76.0	3.2
Concrete pumper	5.9	V	S	S	5.4	12.8
Crane	17.6	S	2.2	5.5	9.2	9.5
Curtainside	3.6	S	.8	.5	2.1	15.8
Dump	727.0	71.4	160.4	145.3	349.9	1.5
Flatbed, stake, or platform	948.1	236.4	294.1	214.5	203.2	1.5
Low boy	3.6	S	S	1.4	1.8	18.6
Pole, logging, pulpwood, or pipe	18.1	S	1.0	2.7	14.4	6.5
Service, utility	262.1	65.5	98.2	50.0	48.5	2.8
Service, other	221.8	86.2	92.8	28.8	14.0	3.1
Street sweeper	6.4	.9	4.2	.6	.6	16.0
Tank, dry bulk	26.1	S	2.2	6.8	16.9	6.6
Tank, liquids or gases	166.7	2.4	17.2	37.2	109.8	3.0
Tow/Wrecker	127.8	21.3	53.8	34.6	18.1	4.8
Trash, garbage, or recycling	96.0	.8	6.0	6.8	82.3	3.3
Vacuum	14.7	S	1.6	1.8	10.9	8.9
Van, basic enclosed	583.1	112.5	223.0	173.2	74.5	2.0
Van, insulated nonrefrigerated	18.9	3.0	7.3	5.3	3.4	9.7
Van, insulated refrigerated	86.3	4.5	22.7	30.2	28.8	4.8
Van, open top	151.7	4.2	18.8	42.3	86.4	2.6
Van, step, walk-in, or multistop	413.1	162.8	198.6	46.6	5.1	4.2
Van, other	69.0	28.6	28.0	8.4	4.0	5.5
Other	1.1	S	S	S	.7	33.1
Truck-tractors	1 421.9	V	V	24.7	1 397.2	.5
Automobile carrier	12.8	V	V	S	12.7	9.7
Beverage	33.6	V	V	.7	32.9	6.7
Curtainside	3.5	V	V	S	3.5	16.1
Dump	129.2	V	V	S	128.9	2.6
Flatbed, stake, or platform	193.5	V	V	3.3	190.2	2.3
Livestock	15.3	V	V	S	15.1	8.7
Low boy	57.7	V	V	.4	57.2	3.8
Mobile home toter	4.9	V	V	S	4.6	13.5
Open top	64.0	V	V	S	63.8	3.2
Pole, logging, pulpwood, or pipe	21.7	V	V	S	21.7	5.5
Tank, dry bulk	28.3	V	V	V	28.3	6.1
Tank, liquids or gases	80.6	V	V	S	80.1	3.7
Van, basic enclosed	592.6	V	V	5.3	587.3	1.2
Van, drop-frame	14.0	V	V	S	13.9	9.8
Van, insulated nonrefrigerated	14.9	V	V	V	14.9	7.7
Van, insulated refrigerated	120.4	V	V	S	120.0	2.9
Other	1.3	V	V	S	1.0	22.0
Not applicable ³	33.7	V	V	12.4	21.3	5.8
ANNUAL MILES						
Less than 5,000	14 071.6	12 815.4	438.9	316.0	501.2	1.8
5,000 to 9,999	17 093.3	16 383.0	330.2	120.0	260.1	1.7
10,000 to 19,999	37 362.8	36 197.6	621.7	182.5	361.0	1.0
20,000 to 29,999	9 349.8	8 686.0	280.3	125.7	257.7	2.5
30,000 to 49,999	3 662.6	3 145.3	144.0	74.2	299.1	3.8
50,000 to 74,999	961.5	650.3	34.3	21.2	255.7	6.5
75,000 or more	695.2	87.7	10.3	10.0	587.2	3.1
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
PRIMARY RANGE OF OPERATION						
Off-the-road	1 040.8	850.1	64.3	32.9	93.4	7.2
50 miles or less	58 076.1	55 347.5	1 086.7	524.4	1 117.4	.6
51 to 100 miles	7 411.7	6 707.6	262.3	89.3	352.5	2.7
101 to 200 miles	2 136.3	1 870.7	72.3	26.1	167.3	5.2
201 to 500 miles	1 142.6	863.9	62.0	34.0	182.8	6.4
501 miles or more	1 411.2	1 081.6	65.8	15.8	248.1	6.3
Not reported	11 977.9	11 244.1	246.3	127.0	360.6	2.1
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7

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	
PRIMARY JURISDICTION						
Operated in Canada.....	18.9	S	S	S	.5	43.0
Operated in Mexico.....	S	S	S	S	.9	S
Operated within the home base state.....	71 871.1	67 760.3	1 571.3	705.4	1 834.1	.4
Operated in states other than the home base state.....	1 902.8	1 401.8	72.5	26.3	402.1	4.7
Not reported.....	9 360.3	8 745.3	214.7	115.9	284.4	2.4
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
MONTHS OPERATED						
12.....	59 689.6	56 504.2	1 247.1	472.3	1 465.9	.6
7 to 11.....	11 537.7	10 624.5	289.0	128.9	495.2	2.1
2 to 6.....	9 585.8	8 747.6	228.6	168.4	441.2	2.3
1 or less.....	2 383.7	2 089.2	95.0	79.9	119.6	4.5
Vehicle not used.....	1 978.0	1 794.1	54.3	60.8	68.8	5.7
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	62 617.3	62 617.3	N	N	N	.5
6,001 to 8,500.....	14 351.6	14 351.6	N	N	N	1.9
8,501 to 10,000.....	2 790.7	2 790.7	N	N	N	4.4
10,001 to 14,000.....	1 142.1	N	1 142.1	N	N	4.4
14,001 to 16,000.....	395.9	N	395.9	N	N	6.6
16,001 to 19,500.....	376.1	N	376.1	N	N	7.7
19,501 to 26,000.....	910.3	N	N	910.3	N	2.2
26,001 to 33,000.....	436.8	N	N	N	436.8	2.1
33,001 to 40,000.....	228.8	N	N	N	228.8	2.5
40,001 to 50,000.....	318.4	N	N	N	318.4	1.9
50,001 to 60,000.....	326.6	N	N	N	326.6	1.6
60,001 to 80,000.....	1 178.7	N	N	N	1 178.7	.6
80,001 to 100,000.....	68.9	N	N	N	68.9	3.4
100,001 to 130,000.....	26.4	N	N	N	26.4	4.7
130,001 or more.....	6.3	N	N	N	6.3	9.3
TOTAL LENGTH (FEET)						
Less than 20.0.....	72 155.3	70 977.2	721.0	255.8	201.3	.4
20.0 to 27.9.....	7 634.7	6 198.6	579.7	368.3	488.1	2.5
28.0 to 35.9.....	2 680.7	1 907.9	262.9	170.6	339.3	3.9
36.0 to 40.9.....	866.4	532.0	143.0	49.5	141.9	7.7
41.0 to 44.9.....	261.1	60.6	105.1	20.0	75.4	12.3
45.0 to 49.9.....	241.7	65.8	53.2	S	95.9	13.5
50.0 to 54.9.....	201.8	S	47.3	9.9	131.9	11.3
55.0 to 59.9.....	233.0	S	1.3	3.9	223.0	2.9
60.0 to 64.9.....	301.6	S	S	2.7	298.7	1.7
65.0 to 69.9.....	273.3	V	S	1.1	271.9	1.8
70.0 to 74.9.....	217.2	V	S	1.2	216.0	2.2
75.0 to 79.9.....	92.1	V	V	S	92.0	4.0
80.0 or more.....	15.7	V	V	S	15.5	7.2
MILES PER GALLON						
Less than 5.....	481.4	21.8	36.7	54.8	368.2	1.5
5 to 6.9.....	1 625.8	242.6	107.9	132.2	1 143.1	2.2
7 to 8.9.....	1 364.3	662.3	217.4	163.7	320.9	3.7
9 to 10.9.....	4 239.4	3 545.9	408.5	149.7	135.4	3.5
11 to 12.9.....	6 047.0	5 619.4	317.4	64.9	45.3	3.1
13 to 14.9.....	7 031.8	6 848.2	152.4	18.2	13.0	2.9
15 or more.....	48 486.7	48 114.0	318.9	35.8	18.0	.8
15 to 20.9.....	38 065.4	37 707.0	304.6	35.8	18.0	1.0
21 to 24.9.....	6 623.6	6 619.0	S	V	S	3.0
25 or more.....	3 797.7	3 788.0	S	V	V	4.3
Not reported.....	13 920.3	12 911.3	300.5	230.3	478.1	1.9
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
MODEL YEAR						
2003.....	94.0	53.6	1.5	3.3	35.6	26.9
2002.....	4 982.6	4 782.7	65.6	27.8	106.5	3.5
2001.....	7 456.4	7 112.4	144.4	42.7	156.9	2.9
2000.....	8 179.5	7 724.0	145.3	59.7	250.5	2.7
1999.....	7 016.5	6 555.6	211.8	55.4	193.7	2.9
1998.....	6 363.2	6 051.1	114.0	38.8	159.3	3.1
1997.....	5 727.0	5 435.2	122.5	39.1	130.1	3.2
1996.....	4 757.5	4 489.7	85.6	49.4	132.8	3.4
1995.....	5 247.7	4 930.3	111.0	44.7	161.7	3.3
1994.....	4 479.4	4 263.4	70.3	27.8	117.9	3.5
1993.....	4 078.2	3 903.9	51.3	26.9	96.2	4.0
Pre-1993.....	26 792.8	24 457.7	790.7	494.7	1 049.7	1.2
VEHICLE ACQUISITION						
New.....	37 979.5	35 420.1	995.3	384.4	1 179.7	1.0
Used.....	41 378.6	38 919.9	791.5	464.8	1 202.4	.9
Not reported.....	5 816.7	5 419.6	127.2	61.2	208.7	3.1
LEASE CHARACTERISTICS						
Leased.....	4 898.9	4 235.8	126.9	98.4	437.8	3.4
Lessee.....	3 871.4	3 528.0	83.3	43.0	220.1	4.0
Vehicle only.....	332.7	26.4	64.4	42.8	199.0	2.1
Vehicle with driver.....	19.5	S	V	S	6.4	6.4
Not reported.....	2.3	V	S	S	1.7	25.2
Not applicable ⁴	3 516.8	3 498.5	S	V	4.4	4.4
Lessor.....	653.8	351.9	41.9	53.1	206.9	8.1
Vehicle only.....	267.3	9.5	34.9	50.9	172.0	2.4
Vehicle with driver.....	35.3	S	S	1.0	33.3	5.7
Not reported.....	3.3	S	S	S	1.6	28.1
Not applicable ⁴	348.0	341.7	S	V	15.1	15.1
Not reported.....	373.6	358.9	1.7	2.2	10.7	12.5
Not leased.....	45 730.1	42 680.8	1 126.5	502.8	1 420.2	.8
Not reported.....	34 545.8	32 843.0	660.6	309.2	732.9	1.1

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	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	4 898.9	4 235.8	126.9	98.4	437.8	3.4
1 to 11 months	43.0	1.8	3.6	5.6	32.0	5.3
12 months or more	618.8	35.1	96.6	90.7	396.5	1.5
Not reported	13.7	S	2.2	2.1	9.2	11.1
Not applicable ⁴	4 223.3	4 198.7	24.6	V	V	4.0
Provisions of lease ⁵ :						
Financing only	408.9	31.5	74.2	60.2	243.0	2.0
Full maintenance	232.7	6.4	27.8	46.8	151.7	2.5
Payment of taxes	267.1	10.6	37.8	49.0	169.7	2.4
Obtaining licenses and permits	267.7	8.7	34.1	48.4	176.6	2.3
Recordkeeping	148.0	5.0	19.5	26.4	97.1	3.3
Fuel contract	72.4	2.5	9.7	11.7	48.4	4.9
PRIMARY OPERATOR CLASSIFICATION						
Private	15 268.1	12 012.3	1 200.0	641.3	1 414.5	1.7
Motor carrier	1 160.2	222.8	144.1	91.1	702.1	3.5
Owner operator	545.7	202.9	43.1	26.0	273.8	6.2
Rental	879.3	578.7	102.3	70.1	128.2	7.6
Personal transportation	65 343.5	64 948.7	370.3	S	3.4	.5
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
For-hire characteristics:						
Type of carrier:						
Contract	602.4	13.2	67.9	46.2	475.0	2.8
Common	536.4	22.4	79.2	44.0	390.8	1.5
Not reported	193.3	23.1	33.3	26.8	110.1	3.6
Not applicable ⁶	83 842.7	79 700.9	1 733.6	793.2	1 614.9	.2
Type of service:						
Truckload	792.6	15.3	45.9	35.8	695.6	1.0
Less-than truckload	350.1	20.4	101.3	53.5	175.0	4.8
Not reported	189.3	22.9	33.3	27.8	105.3	3.6
Not applicable ⁶	83 842.8	79 700.9	1 733.6	793.2	1 615.0	.2
Source of hauls:						
Shippers or receivers	899.2	26.8	121.6	68.4	682.3	2.0
Brokers	92.1	.8	5.5	4.6	81.2	3.8
Centralized markets or exchanges	24.1	.8	2.9	3.6	16.8	7.8
Other	V	V	V	V	V	N
Not reported	316.7	30.2	50.4	40.5	195.6	2.5
Not applicable ⁶	83 842.7	79 700.9	1 733.6	793.2	1 614.9	.2
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	366.1	8.3	19.3	30.6	307.9	1.9
Not carrying hazardous materials	3 873.5	580.0	883.8	602.6	1 807.1	.6
Not reported	681.1	125.6	166.9	116.7	271.9	1.5
Not applicable ⁸	80 254.0	79 045.7	844.0	160.4	204.0	.2
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	166.0	45.0	50.5	35.5	35.0	8.8
Air bag(s) (safety device only)	47 019.2	46 171.1	537.6	71.4	239.1	.8
Air compressor (except air brakes)	353.0	16.5	47.1	38.6	250.8	2.0
Air-conditioning	67 211.6	64 158.2	1 107.6	340.3	1 605.4	.4
Air springs	671.0	4.4	17.5	20.4	628.7	1.1
Antilock brake system	48 730.0	46 815.0	838.4	200.6	876.0	.7
Collision warning system	64.5	4.4	28.3	4.0	27.9	5.1
Computerized drive train control unit	10 060.8	9 806.0	117.8	17.7	119.2	2.4
Crane	107.4	9.0	28.7	22.4	47.4	3.9
Electronic vehicle identification device	146.0	2.5	5.3	3.7	134.6	3.1
Engine retarder/brake	951.5	14.3	42.2	24.9	870.2	.8
Front-wheel drive	32 354.1	31 992.1	357.3	S	S	1.0
Hoist	619.4	48.3	129.3	136.0	305.9	1.4
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	184.1	2.2	20.7	14.8	146.4	4.4
Internet access	15.6	S	1.7	S	12.8	9.3
Lift gate	302.8	49.3	105.7	88.8	59.0	2.5
Mounting bar for snowplow	1 066.9	989.0	57.5	7.7	12.7	6.6
Navigational system	20.9	S	1.4	1.8	17.7	8.1
Power take-off	1 389.9	61.5	215.5	241.1	871.7	.9
Radial tires	53 952.1	50 669.0	1 181.8	423.9	1 677.4	.7
Reflective material in addition to those required by law	725.2	64.6	141.2	94.1	425.3	1.6
Road speed governor	1 397.7	45.1	204.7	184.2	963.7	1.4
Toolbox	8 386.8	7 130.3	523.1	199.5	533.9	2.5
Trip recorder or on-board computer with communication capabilities	3 305.5	2 954.0	93.9	31.9	225.7	4.2
Trip recorder or on-board computer without communication capabilities	13 338.8	13 012.8	177.5	9.9	138.7	2.0
Vehicle control aids for handicapped drivers	153.4	148.1	S	V	V	24.9
Wheelchair lift	246.6	245.0	S	V	V	18.9
Winch	770.6	508.2	102.2	60.2	100.0	7.4
Transmission type:						
Automatic	63 022.3	61 512.0	1 054.0	211.1	245.3	.5
Manual	18 186.6	14 726.9	748.0	601.8	2 110.0	1.5
Semiautomated manual	104.5	78.2	2.3	2.9	21.1	25.7
Automated manual	109.8	95.8	S	1.2	11.3	22.6
Not reported	3 751.4	3 346.7	108.2	93.4	203.1	3.9
Braking system:						
Hydraulic (standard)	1 501.7	403.0	556.2	329.8	212.7	1.0
Hydraulic with power assist	1 189.1	308.0	476.0	260.2	144.9	1.7
Air	2 307.3	15.4	72.5	195.5	2 023.9	.5
Other	V	V	V	V	V	N
Not reported	522.4	80.9	136.0	99.6	205.9	2.7
Not applicable ¹⁰	79 654.3	78 952.2	673.3	S	S	.2

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	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	76 334.6	74 765.1	1 012.6	341.9	215.0	.3
Diesel	6 125.4	2 513.0	831.7	490.0	2 290.6	2.1
Natural gas	74.8	71.5	S	S	.6	22.1
Propane	48.3	14.0	9.5	14.3	10.5	11.9
Alcohol fuels	141.1	139.4	S	S	.3	11.8
Electricity	S	S	V	V	V	S
Combination	379.2	371.9	2.3	1.6	3.4	12.3
Other	V	V	V	V	V	N
Not reported	93.3	90.5	.9	.3	1.7	27.1
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
Cylinders ¹¹ :						
4 cylinders	11 338.9	11 204.2	101.9	14.5	18.2	2.3
6 cylinders	40 872.7	38 135.3	326.0	363.4	2 048.1	.8
8 cylinders	31 489.9	29 552.8	1 316.8	384.9	235.4	1.1
Other	1 473.3	867.3	169.3	147.5	289.1	4.6
Cubic inch displacement ¹¹ :						
Gasoline fuel	76 334.6	74 765.1	1 012.6	341.9	215.0	.3
Less than 200	19 844.1	19 828.1	9.3	6.0	S	1.6
200 to 299	28 727.0	28 639.0	74.4	11.7	2.0	1.2
300 to 349	12 502.9	12 391.1	102.9	5.3	3.6	2.1
350 to 399	11 503.0	10 927.8	396.0	120.8	58.5	2.1
400 or more	2 452.6	2 033.1	316.2	62.4	40.9	3.9
Not available	1 305.0	946.1	113.8	135.8	109.3	6.2
Diesel fuel	6 125.4	2 513.0	831.7	490.0	2 290.6	2.1
Less than 400	1 498.8	1 025.1	298.8	104.6	70.3	5.1
400 to 599	2 703.3	1 448.8	506.3	334.1	414.0	3.9
600 to 799	920.8	1.1	5.5	19.1	895.0	.9
800 or more	629.6	25.8	7.9	7.4	588.5	1.4
Not available	372.9	S	13.3	24.8	322.7	2.3
Other fuel	643.5	596.8	14.5	17.4	14.7	8.1
Less than 400	587.8	572.1	6.5	6.4	2.8	8.8
400 or more	46.9	21.8	6.7	8.8	9.6	16.2
Not available	8.8	2.9	1.4	2.2	2.4	17.2
Not reported	93.3	90.5	.9	.3	1.7	27.1
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
REFUELING LOCATION						
Gas station	74 469.5	72 045.1	1 333.4	456.8	634.1	.3
Truck stop	1 427.5	543.7	99.4	69.7	714.7	4.1
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	2 941.7	1 418.3	322.2	253.5	947.7	3.2
Other company's/contractor's facility not open to the public	401.6	268.2	24.9	22.6	85.9	10.7
Other	37.2	36.3	S	S	.2	30.1
Not reported	3 919.4	3 653.8	79.6	46.6	139.4	3.9
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
MAINTENANCE⁵						
General maintenance performed by:						
None performed	1 931.2	1 862.3	28.3	18.6	22.0	5.5
Company-owned maintenance facility	7 079.0	4 817.5	561.8	320.2	1 379.5	2.5
General repair business or private mechanic	35 240.8	33 641.6	644.0	244.5	710.7	1.0
Dealership service department	20 763.5	20 126.4	282.1	77.5	277.5	1.5
Leasing company	178.8	109.3	8.4	12.1	49.1	15.5
Individual not employed/paid by any maintenance type facility	29 909.6	28 684.0	550.2	221.7	453.7	1.2
Other	V	V	V	V	V	N
Not reported	4 118.5	3 856.0	79.4	44.4	138.7	3.8
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
Extensive repairs performed by:						
None performed	65 555.5	61 754.6	1 373.7	631.9	1 795.3	.5
Company-owned maintenance facility	1 055.5	736.5	68.9	36.0	214.1	7.1
General repair business or private mechanic	5 782.8	5 359.2	155.0	54.9	213.6	3.2
Dealership service department	3 587.7	3 320.0	107.0	27.0	193.6	4.1
Leasing company	37.7	S	1.3	3.0	5.8	39.3
Component distributorship (engine, transmission, body, etc.)	309.1	265.8	16.6	3.2	23.4	12.1
Individual not employed/paid by any repair type facility	3 573.3	3 387.8	94.2	26.4	64.9	4.0
Other	V	V	V	V	V	N
Not reported	190.2	185.0	1.1	2.4	1.7	16.6
Not applicable ²	1 978.0	1 794.1	54.3	60.8	68.8	5.7
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	82 084.0	78 649.0	1 512.1	820.5	1 102.4	.2
2 axles	81 476.2	78 637.5	1 501.4	803.0	534.3	.2
3 axles	467.7	2.8	8.6	14.7	441.5	1.2
4 axles	102.0	S	.4	.9	100.7	2.4
5 axles or more	22.3	S	V	S	22.1	5.1
Not reported	15.8	8.5	1.7	1.8	3.8	24.2
Combinations	3 090.8	1 110.6	401.9	89.8	1 488.4	3.1
Single-unit trucks with trailer	1 110.6	1 110.6	401.9	77.5	112.5	5.5
3 axles	522.8	449.6	43.0	12.3	17.9	8.9
4 axles	1 039.1	606.3	337.8	54.5	40.6	7.7
5 axles or more	95.7	S	S	4.9	50.9	17.6
Not reported	44.9	32.0	4.0	S	3.2	28.2
Truck-tractors with single trailer	1 320.1	V	V	12.3	1 307.7	.5
3 axles	61.3	V	V	1.7	59.6	4.8
4 axles	127.9	V	V	6.1	121.8	3.3
5 axles or more	1 034.5	V	V	2.8	1 031.7	.6
Not reported	96.4	V	V	1.7	94.7	3.3
Truck-tractors with double trailers	66.6	V	V	V	66.6	4.3
5 axles	38.9	V	V	V	38.9	6.3
6 axles	10.8	V	V	V	10.8	11.1
7 axles	5.3	V	V	V	5.3	11.9
8 axles or more	9.5	V	V	V	9.5	7.7
Not reported	2.3	V	V	V	2.3	22.1
Truck-tractors with triple trailers	1.5	V	V	V	1.5	28.1
7 axles	1.2	V	V	V	1.2	34.5
8 axles	S	V	V	V	S	S
9 axles	S	V	V	V	S	S
10 axles or more	S	V	V	V	S	S
Not reported	S	V	V	V	S	S

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	50 863.9	47 690.0	1 454.3	864.4	855.2	.7
2	34 261.6	32 056.8	458.0	43.9	1 702.9	1.0
3 or more	22.8	V	S	.3	22.3	5.3
Not reported	26.5	12.8	1.6	1.7	10.5	16.3
Total liftable axles and locations ¹² :						
None	5 292.6	805.6	1 236.9	879.2	2 370.8	.4
1	175.0	1.2	2.3	3.8	167.8	2.0
Forward of the drive axle	103.7	S	.8	2.1	100.5	2.4
Below the chassis	30.6	S	1.0	1.3	28.0	5.2
Beyond the chassis	14.1	V	V	V	14.1	8.2
Not reported	26.6	S	S	S	25.2	5.7
2 or more	25.2	V	V	S	25.0	5.2
Forward of the drive axle	21.6	V	V	S	21.4	5.6
Below the chassis	9.4	V	V	V	9.4	7.9
Beyond the chassis	6.9	V	V	V	6.9	8.4
Not reported	1.2	V	V	S	1.1	22.5
Not reported	27.7	.5	1.5	2.0	23.7	7.5
Not applicable ¹⁰	79 654.3	78 952.2	673.3	S	S	.2
Total liftable axles and number of braking axles:						
None	5 292.6	805.6	1 236.9	879.2	2 370.8	.4
1	175.0	1.2	2.3	3.8	167.8	2.0
0 braking	25.3	S	.6	.8	23.6	5.3
1 braking	140.5	.4	1.5	2.2	136.4	2.2
Not reported	9.2	S	S	.7	7.8	10.1
2 or more	25.2	V	V	S	25.0	5.2
0 braking .....	.9	V	V	V	.9	23.0
1 braking .....	.9	V	V	S	.8	25.0
2 or more braking	22.6	V	V	S	22.5	5.7
Not reported .....	.8	V	V	V	.8	23.4
Not reported	27.7	.5	1.5	2.0	23.7	7.5
Not applicable ¹⁰	79 654.3	78 952.2	673.3	S	S	.2
CAB TYPE						
Conventional cab	4 878.7	742.8	1 035.9	810.3	2 289.7	.5
With sleeper	568.6	V	V	1.9	566.6	1.1
Without sleeper	4 220.0	742.8	1 035.9	806.9	1 634.4	.5
Not reported	90.2	V	V	1.5	88.7	3.6
Cab over engine	603.7	56.4	197.9	68.2	281.2	1.2
With sleeper	109.0	V	V	1.6	107.4	3.2
Without sleeper	479.6	56.4	197.9	66.4	158.9	1.4
Not reported	15.1	V	V	S	14.9	10.1
Cab forward of engine	17.4	2.8	2.8	S	10.4	9.5
Cab beside engine	9.3	4.4	2.8	.6	1.5	12.3
Not reported	11.4	1.0	1.2	S	4.5	34.2
Not applicable ¹⁰	79 654.3	78 952.2	673.3	S	S	.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.

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	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	85 174.8	82 084.0	3 090.8	1 702.5	1 320.1	66.6	1.5	X
Coefficient of variation (percent) .....	.2	.2	3.1	5.5	.5	4.3	28.1	X
BUSINESS¹								
For-hire transportation or warehousing	1 280.2	574.1	706.2	21.7	637.9	45.1	1.5	3.4
Vehicle leasing or rental	859.2	781.8	77.4	.5	76.7	S	V	7.8
Agriculture, forestry, fishing, or hunting	2 239.9	1 857.5	382.4	217.6	156.3	8.5	V	3.7
Mining	177.6	145.9	31.7	7.4	23.2	1.1	V	11.4
Utilities	679.3	614.8	64.5	56.8	7.5	S	V	8.3
Construction	4 541.5	4 208.6	332.9	222.9	104.4	5.5	S	3.3
Manufacturing	782.9	706.3	76.6	15.6	60.1	.9	V	8.5
Wholesale trade	735.9	654.8	81.0	12.6	66.7	1.8	V	7.5
Retail trade	1 530.5	1 411.8	118.8	55.7	62.3	.7	S	5.7
Information services	376.6	375.1	1.5	.8	.7	V	V	14.2
Waste management, landscaping, or administrative/support services	743.2	565.0	178.1	159.0	18.8	.4	V	7.7
Arts, entertainment, or recreation services	187.1	166.6	20.5	16.9	3.5	S	V	17.6
Accommodation or food services	284.3	261.7	22.6	1.1	20.6	.8	V	12.8
Other services	2 127.3	2 094.4	32.9	23.3	9.6	S	V	5.3
Personal transportation	65 343.0	64 497.2	845.8	845.1	.7	V	V	.5
Not reported	1 308.2	1 190.4	117.8	45.4	71.1	1.3	V	6.6
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
BODY TYPE								
Single-unit trucks	83 752.9	82 050.3	1 702.5	1 702.5	N	N	N	.2
Pickup	37 991.1	36 789.6	1 201.5	1 201.5	N	N	N	.3
Minivan	12 207.3	12 194.0	S	S	N	N	N	2.0
Other light vans	5 251.4	5 207.8	43.7	43.7	N	N	N	3.3
Sport utility	24 204.4	24 018.8	185.7	185.7	N	N	N	1.1
Armored	11.3	11.3	V	V	N	N	N	38.4
Beverage	41.6	41.0	.6	.6	N	N	N	7.1
Concrete mixer	77.0	76.0	1.0	1.0	N	N	N	3.2
Concrete pumper	5.9	5.7	S	S	N	N	N	12.8
Crane	17.6	17.4	.1	.1	N	N	N	9.5
Curtainside	3.6	3.4	S	S	N	N	N	15.8
Dump	727.0	631.7	95.4	95.4	N	N	N	1.5
Flatbed, stake, or platform	948.1	857.9	90.2	90.2	N	N	N	1.5
Low boy	3.6	1.6	2.0	2.0	N	N	N	18.6
Pole, logging, pulpwood, or pipe	18.1	11.8	6.3	6.3	N	N	N	6.5
Service, utility	262.1	238.1	24.0	24.0	N	N	N	2.8
Service, other	221.8	213.1	8.7	8.7	N	N	N	3.1
Street sweeper	6.4	6.4	V	V	N	N	N	16.0
Tank, dry bulk	26.1	25.5	.6	.6	N	N	N	6.6
Tank, liquids or gases	166.7	161.0	5.6	5.6	N	N	N	3.0
Tow/Wrecker	127.8	126.0	1.8	1.8	N	N	N	4.8
Trash, garbage, or recycling	96.0	95.9	S	S	N	N	N	3.3
Vacuum	14.7	14.3	S	S	N	N	N	8.9
Van, basic enclosed	583.1	573.0	10.1	10.1	N	N	N	2.0
Van, insulated nonrefrigerated	18.9	18.7	.3	.3	N	N	N	9.7
Van, insulated refrigerated	86.3	84.6	1.7	1.7	N	N	N	4.8
Van, open top	151.7	148.5	3.2	3.2	N	N	N	2.6
Van, step, walk-in, or multistop	413.1	409.4	3.7	3.7	N	N	N	4.2
Van, other	69.0	66.9	2.1	2.1	N	N	N	5.5
Other	1.1	1.1	S	S	N	N	N	33.1
Truck-tractors	1 421.9	33.7	1 388.2	N	1 320.1	66.6	1.5	.5
Automobile carrier	12.8	N	12.8	N	12.8	V	V	9.7
Beverage	33.6	N	33.6	N	33.5	S	V	6.7
Curtainside	3.5	N	3.5	N	3.5	S	V	16.1
Dump	129.2	N	129.2	N	118.5	10.6	S	2.6
Flatbed, stake, or platform	193.5	N	193.5	N	183.7	9.8	V	2.3
Livestock	15.3	N	15.3	N	15.2	S	V	8.7
Low boy	57.7	N	57.7	N	57.2	S	S	3.8
Mobile home toter	4.9	N	4.9	N	4.9	V	V	13.5
Open top	64.0	N	64.0	N	61.7	2.3	V	3.2
Pole, logging, pulpwood, or pipe	21.7	N	21.7	N	21.4	.4	V	5.5
Tank, dry bulk	28.3	N	28.3	N	25.7	2.6	V	6.1
Tank, liquids or gases	80.6	N	80.6	N	78.8	1.8	V	3.7
Van, basic enclosed	592.6	N	592.6	N	557.9	33.5	1.2	1.2
Van, drop-frame	14.0	N	14.0	N	10.8	3.2	V	9.8
Van, insulated nonrefrigerated	14.9	N	14.9	N	14.4	.5	V	7.7
Van, insulated refrigerated	120.4	N	120.4	N	119.0	1.4	S	2.9
Other	1.3	N	1.3	N	1.3	V	V	22.0
Not applicable ³	33.7	33.7	V	N	V	V	V	5.8
ANNUAL MILES								
Less than 5,000	14 071.6	13 442.4	629.2	504.5	122.2	2.6	V	1.8
5,000 to 9,999	17 093.3	16 668.2	425.1	351.4	72.1	1.6	V	1.7
10,000 to 19,999	37 362.8	36 724.8	637.9	520.4	114.4	3.1	V	1.0
20,000 to 29,999	9 349.8	9 093.8	256.0	149.2	103.6	3.0	S	2.5
30,000 to 49,999	3 662.6	3 361.6	300.9	116.7	174.6	9.6	S	3.8
50,000 to 74,999	961.5	708.2	253.3	42.9	198.0	12.4	V	6.5
75,000 or more	695.2	106.9	588.3	17.5	535.2	34.3	1.3	3.1
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7

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	1 040.8	939.4	101.4	72.0	29.0		V	7.2
50 miles or less	58 076.1	56 864.6	1 211.5	843.1	354.7	13.6	S	.6
51 to 100 miles	7 411.7	6 987.9	423.9	212.7	202.0	9.1	V	2.7
101 to 200 miles	2 136.3	1 902.4	234.0	97.5	123.1	13.3	S	5.2
201 to 500 miles	1 142.6	880.0	262.6	94.6	153.5	14.1	.3	6.4
501 miles or more	1 411.2	1 053.7	357.5	118.4	228.0	10.0	1.1	6.3
Not reported	11 977.9	11 478.0	499.9	264.2	229.7	6.1	S	2.1
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
PRIMARY JURISDICTION								
Operated in Canada	18.9	S	S	S	.5	V	V	43.0
Operated in Mexico	S	S	1.0	S	.9	V	V	S
Operated within the home base state	71 871.1	69 645.6	2 225.6	1 394.5	785.7	45.0	.3	.4
Operated in states other than the home base state	1 902.8	1 426.5	478.3	95.8	363.2	18.3	1.0	4.7
Not reported	9 360.3	8 975.6	384.7	209.5	169.7	5.3	S	2.4
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
MONTHS OPERATED								
12	59 689.6	57 721.1	1 968.5	1 062.3	861.8	43.0	1.3	.6
7 to 11	11 537.7	10 963.2	574.5	323.3	239.4	11.6	S	2.1
2 to 6	9 585.8	9 152.1	433.7	240.1	182.3	11.2	S	2.3
1 or less	2 383.7	2 269.6	114.1	76.8	36.5	.7	V	4.5
Vehicle not used	1 978.0	1 978.0	V	V	V	V	V	5.7
VEHICLE SIZE								
Light	79 759.6	78 649.0	1 110.6	1 110.6	V	V	V	.2
Medium	1 914.0	1 512.1	401.9	401.9	V	V	V	3.3
Light-heavy	910.3	820.5	89.8	77.5	12.3	V	V	2.2
Heavy-heavy	2 590.9	1 102.4	1 488.4	112.5	1 307.7	66.6	1.5	.5
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	62 617.3	62 212.8	404.4	404.4	V	V	V	.5
6,001 to 8,500	14 351.6	13 930.1	421.5	421.5	V	V	V	1.9
8,501 to 10,000	2 790.7	2 506.0	284.7	284.7	V	V	V	4.4
10,001 to 14,000	1 142.1	913.0	229.1	229.1	V	V	V	4.4
14,001 to 16,000	395.9	305.7	90.2	90.2	V	V	V	6.6
16,001 to 19,500	376.1	293.4	82.7	82.7	V	V	V	7.7
19,501 to 26,000	910.3	820.5	89.8	77.5	12.3	V	V	2.2
26,001 to 33,000	436.8	380.4	56.5	31.6	24.5	S	V	2.1
33,001 to 40,000	228.8	152.5	78.3	25.4	50.0	.9	V	2.5
40,001 to 50,000	318.4	199.9	118.5	15.6	101.9	1.1	V	1.9
50,001 to 60,000	326.6	192.7	133.8	10.7	119.9	3.2	V	1.6
60,001 to 80,000	1 178.7	167.1	1 011.6	21.5	941.3	48.7	V	.6
80,001 to 100,000	68.9	8.4	60.4	4.8	53.2	2.2	.4	3.4
100,001 to 130,000	26.4	1.4	25.0	2.6	14.7	6.9	.8	4.7
130,001 or more	6.3	S	6.2	.3	2.3	3.3	S	9.3
TOTAL LENGTH (FEET)								
Less than 20.0	72 155.3	72 155.3	V	V	V	V	V	.4
20.0 to 27.9	7 634.7	7 231.5	403.2	403.2	V	V	V	2.5
28.0 to 35.9	2 680.7	2 194.8	485.9	472.5	13.5	V	V	3.9
36.0 to 40.9	866.4	416.3	450.1	389.5	60.6	V	V	7.7
41.0 to 44.9	261.1	51.9	209.2	162.3	46.9	V	V	12.3
45.0 to 49.9	241.7	22.3	219.4	151.8	67.4	S	V	13.5
50.0 to 54.9	201.8	11.8	190.0	82.2	107.3	.6	V	11.3
55.0 to 59.9	233.0	S	233.0	19.5	211.6	1.8	V	2.9
60.0 to 64.9	301.6	S	301.6	10.9	283.3	7.4	V	1.7
65.0 to 69.9	273.3	V	273.3	6.0	249.1	18.2	V	1.8
70.0 to 74.9	217.2	V	217.2	3.1	196.7	17.5	V	2.2
75.0 to 79.9	92.1	V	92.1	.9	79.0	12.2	V	4.0
80.0 or more	15.7	V	15.7	.7	4.8	8.7	1.5	7.2
MILES PER GALLON								
Less than 5	481.4	299.0	182.4	22.4	150.5	9.2	.3	1.5
5 to 6.9	1 625.8	772.1	853.7	54.7	757.1	40.9	1.0	2.2
7 to 8.9	1 364.3	1 139.2	225.1	81.5	133.4	10.3	S	3.7
9 to 10.9	4 239.4	3 968.6	270.9	247.6	22.7	S	V	3.5
11 to 12.9	6 047.0	5 730.9	316.0	308.1	7.8	S	V	3.1
13 to 14.9	7 031.8	6 842.1	189.7	187.9	1.7	S	V	2.9
15 or more	48 486.7	47 926.3	560.4	559.1	1.1	S	V	.8
15 to 20.9	38 065.4	37 545.2	520.2	519.0	1.1	S	V	1.0
21 to 24.9	6 623.6	6 591.6	32.0	32.0	V	V	V	3.0
25 or more	3 797.7	3 789.5	S	S	V	V	V	4.3
Not reported	13 920.3	13 427.8	492.5	241.1	245.7	5.5	S	1.9
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7

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	94.0	62.5	31.5	S	26.1	2.9	V	26.9
2002	4 982.6	4 852.0	130.5	53.3	72.3	4.8	S	3.5
2001	7 456.4	7 210.2	246.2	133.9	106.9	4.9	S	2.9
2000	8 179.5	7 879.9	299.6	120.5	172.1	6.8	S	2.7
1999	7 016.5	6 745.5	271.0	138.4	128.5	4.0	S	2.9
1998	6 363.2	6 156.6	206.6	99.6	100.2	6.8	S	3.1
1997	5 727.0	5 539.5	187.4	112.3	71.2	3.8	S	3.2
1996	4 757.5	4 581.1	176.4	88.4	82.9	5.0	S	3.4
1995	5 247.7	5 039.7	207.9	108.9	93.0	5.9	S	3.3
1994	4 479.4	4 346.7	132.7	62.5	66.3	3.7	S	3.5
1993	4 078.2	3 957.2	121.0	66.0	52.8	2.2	V	4.0
Pre-1993	26 792.8	25 713.1	1 079.8	716.2	347.7	15.7	S	1.2
VEHICLE ACQUISITION								
New	37 979.5	36 558.7	1 420.8	719.5	661.5	38.5	1.2	1.0
Used	41 378.6	39 964.1	1 414.5	854.5	538.3	21.5	S	.9
Not reported	5 816.7	5 561.2	255.5	128.5	120.3	6.6	.2	3.1
LEASE CHARACTERISTICS								
Leased	4 898.9	4 520.7	378.2	54.5	312.9	10.3	.5	3.4
Lessee	3 871.4	3 666.4	205.1	48.2	149.7	6.7	.5	4.0
Vehicle only	332.7	184.3	148.4	11.8	129.6	6.5	S	2.1
Vehicle with driver	19.5	.5	19.1	S	18.8	S	S	6.4
Not reported	2.3	S	1.7	S	1.2	S	V	25.2
Not applicable ⁴	3 516.8	3 481.0	35.9	35.9	V	V	V	4.4
Lessor	653.8	490.3	163.6	4.8	155.5	3.2	V	8.1
Vehicle only	267.3	135.7	131.6	3.6	125.4	2.7	V	2.4
Vehicle with driver	35.3	4.6	30.6	1.0	29.0	.6	V	5.7
Not reported	3.3	1.9	1.3	S	1.1	V	V	28.1
Not applicable ⁴	348.0	348.0	V	V	V	V	V	15.1
Not reported	373.6	364.0	9.6	S	7.8	S	V	12.5
Not leased	45 730.1	44 071.1	1 659.0	925.8	690.2	42.3	.8	.8
Not reported	34 545.8	33 492.2	1 053.6	722.3	317.0	14.1	S	1.1
Length of leasing agreement:								
Leased	4 898.9	4 520.7	378.2	54.5	312.9	10.3	.5	3.4
1 to 11 months	43.0	16.7	28.3	.5	25.5	.4	V	5.3
12 months or more	618.8	310.6	309.3	16.2	281.9	9.6	.5	1.5
Not reported	13.7	6.7	7.0	1.2	5.5	S	V	11.1
Not applicable ⁴	4 223.3	4 186.7	36.5	36.5	V	V	V	4.0
Provisions of lease ⁵ :								
Financing only	408.9	226.2	182.7	12.7	162.8	7.0	S	2.0
Full maintenance	232.7	116.6	116.1	1.7	111.7	2.5	S	2.5
Payment of taxes	267.1	134.0	133.0	3.9	126.7	2.5	S	2.4
Obtaining licenses and permits	267.7	125.8	141.9	3.3	136.4	2.3	V	2.3
Recordkeeping	148.0	68.0	80.0	2.1	76.0	1.9	V	3.3
Fuel contract	72.4	31.7	40.7	S	39.1	S	S	4.9
PRIMARY OPERATOR CLASSIFICATION								
Private	15 268.1	13 954.8	1 313.2	814.1	487.0	12.0	S	1.7
Motor carrier	1 160.2	551.3	608.8	12.5	550.0	44.9	1.5	3.5
Owner operator	545.7	303.9	241.8	29.6	202.8	9.4	V	6.2
Rental	879.3	798.3	81.0	1.3	79.6	S	V	7.6
Personal transportation	65 343.5	64 497.6	845.8	845.2	.7	V	V	.5
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
For-hire characteristics:								
Type of carrier:								
Contract	602.4	170.6	431.8	8.4	402.2	20.8	.4	2.8
Common	536.4	220.5	316.0	7.2	277.2	30.7	1.0	1.5
Not reported	193.3	111.1	82.2	5.7	73.5	2.9	S	3.6
Not applicable ⁶	83 842.7	81 581.8	2 260.9	1 681.3	567.2	12.3	S	.2
Type of service:								
Truckload	792.6	188.4	604.1	12.6	572.8	18.5	S	1.0
Less-than-truckload	350.1	201.4	148.7	3.4	110.8	33.4	1.2	4.8
Not reported	189.3	112.4	77.0	5.3	69.1	2.5	S	3.6
Not applicable ⁶	83 842.8	81 581.8	2 261.0	1 681.3	567.3	12.3	S	.2
Source of hauls:								
Shippers or receivers	899.2	283.5	615.6	9.3	559.0	46.0	1.4	2.0
Brokers	92.1	20.3	71.9	.8	68.4	2.6	V	3.8
Centralized markets or exchanges	24.1	14.0	10.1	.8	8.9	S	V	7.8
Other	V	V	V	V	V	V	V	N
Not reported	316.7	184.4	132.3	10.3	116.5	5.4	S	2.5
Not applicable ⁶	83 842.7	81 581.8	2 260.9	1 681.3	567.2	12.3	S	.2
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	366.1	125.2	241.0	5.0	217.7	17.3	.9	1.9
Not carrying hazardous materials	3 873.5	2 743.3	1 130.2	224.4	867.4	37.8	.6	.6
Not reported	681.1	490.0	191.1	25.1	154.7	11.3	V	1.5
Not applicable ⁸	80 254.0	78 725.5	1 528.5	1 448.1	80.2	S	V	.2
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	166.0	148.4	17.7	17.7	V	V	V	8.8
Air bag(s) (safety device only)	47 019.2	46 187.9	831.3	650.3	174.5	6.2	S	.8
Air compressor (except air brakes)	353.0	174.0	179.0	11.3	159.2	8.5	V	2.0
Air-conditioning	67 211.6	64 858.0	2 353.6	1 234.5	1 060.3	57.2	1.5	.4
Air springs	671.0	114.9	556.1	10.4	525.7	19.3	.7	1.1

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		
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	48 730.0	47 141.8	1 588.3	927.0	625.6	34.6	1.1	.7
Collision warning system	64.5	41.3	23.2	2.5	17.8	3.0	V	5.1
Computerized drive train control unit	10 060.8	9 802.3	258.5	168.3	85.9	4.1	S	2.4
Crane	107.4	98.5	8.9	5.6	3.2	S	V	3.9
Electronic vehicle identification device	146.0	21.4	124.6	1.3	118.7	4.5	.1	3.1
Engine retarder/brake	951.5	251.5	700.1	29.0	645.0	25.5	.5	.8
Front-wheel drive	32 354.1	31 661.4	692.7	692.7	V	V	V	1.0
Hoist	619.4	568.9	50.5	50.5	V	V	V	1.4
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	184.1	54.4	129.7	3.2	120.0	5.9	S	4.4
Internet access	15.6	3.5	12.0	S	11.4	S	V	9.3
Lift gate	302.8	296.7	6.1	6.1	V	V	V	2.5
Mounting bar for snowplow	1 066.9	963.7	103.2	103.2	V	V	V	6.6
Navigational system	20.9	7.1	13.8	S	12.5	S	S	8.1
Power take-off	1 389.9	1 051.7	338.1	84.6	246.6	6.9	S	.9
Radial tires	53 952.1	51 822.7	2 129.3	1 124.4	949.2	54.3	1.5	.7
Reflective material in addition to those required by law	725.2	470.1	255.1	41.6	205.5	8.0	V	1.6
Road speed governor	1 397.7	670.8	726.9	42.1	638.7	44.7	1.4	1.4
Toolbox	8 386.8	7 663.6	723.2	474.6	237.1	11.2	S	2.5
Trip recorder or on-board computer with communication capabilities	3 305.5	3 044.3	261.2	48.8	209.2	3.1	.1	4.2
Trip recorder or on-board computer without communication capabilities	13 338.8	12 980.5	358.3	248.2	94.1	15.4	.6	2.0
Vehicle control aids for handicapped drivers	153.4	153.4	V	V	V	V	V	24.9
Wheelchair lift	246.6	245.0	S	S	V	V	V	18.9
Winch	770.6	711.3	59.4	39.3	18.4	1.7	V	7.4
Transmission type:								
Automatic	63 022.3	61 889.9	1 132.5	1 086.1	46.2	S	V	.5
Manual	18 186.6	16 442.5	1 744.1	551.1	1 129.5	62.0	1.5	1.5
Semiautomated manual	104.5	88.4	16.1	1.1	14.7	S	V	25.7
Automated manual	109.8	99.1	10.8	S	8.9	S	V	22.6
Not reported	3 751.4	3 564.1	187.4	62.7	120.7	4.0	V	3.9
Braking system:								
Hydraulic (standard)	1 501.7	1 391.7	110.0	85.4	23.5	1.1	V	1.0
Hydraulic with power assist	1 189.1	1 107.9	81.1	69.2	11.8	S	V	1.7
Air	2 307.3	991.5	1 315.8	85.2	1 167.5	61.5	1.5	.5
Other	V	V	V	V	V	V	V	N
Not reported	522.4	382.7	139.7	18.5	117.2	3.9	V	2.7
Not applicable ¹⁰	79 654.3	78 210.1	1 444.2	1 444.2	V	V	V	.2
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	76 334.6	75 092.0	1 242.6	1 235.4	7.1	S	V	.3
Diesel	6 125.4	4 282.7	1 842.6	463.2	1 311.4	66.5	1.5	2.1
Natural gas	74.8	74.7	S	V	S	V	V	22.1
Propane	48.3	46.3	2.0	S	S	V	V	11.9
Alcohol fuels	141.1	139.6	S	S	S	V	V	11.8
Electricity	S	S	V	V	V	V	V	S
Combination	379.2	377.7	S	S	S	V	V	12.3
Other	V	V	V	V	V	V	V	N
Not reported	93.3	92.9	.4	S	.3	V	V	27.1
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
Cylinders¹¹:								
4 cylinders	11 338.9	11 280.5	58.4	56.1	2.2	V	V	2.3
6 cylinders	40 872.7	39 158.6	1 714.2	407.7	1 240.2	64.6	1.5	.8
8 cylinders	31 489.9	30 314.6	1 175.4	1 160.0	15.0	.3	V	1.1
Other	1 473.3	1 330.4	142.9	78.6	62.6	1.6	V	4.6
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	19 844.1	19 760.4	83.7	83.7	V	V	V	1.6
200 to 299	28 727.0	28 525.7	201.3	201.3	V	V	V	1.2
300 to 349	12 502.9	12 296.9	206.0	205.9	S	V	V	2.1
350 to 399	11 503.0	11 041.6	461.4	460.6	.6	S	V	2.1
400 or more	2 452.6	2 185.9	266.7	264.9	1.8	V	V	3.9
Not available	1 305.0	1 281.4	23.6	19.0	4.6	V	V	6.2
Diesel fuel								
Less than 400	6 125.4	4 282.7	1 842.6	463.2	1 311.4	66.5	1.5	2.1
400 to 599	1 498.8	1 375.0	123.8	117.7	6.1	S	V	5.1
600 to 799	2 703.3	2 337.8	365.5	288.4	76.1	1.0	V	3.9
800 or more	920.8	278.7	642.1	19.0	590.5	32.2	.5	.9
Not available	629.6	124.4	505.1	23.2	458.4	22.9	.6	1.4
Other fuel	372.9	166.7	206.2	14.9	180.4	10.4	S	2.3
Less than 400	643.5	638.4	5.1	3.8	S	V	V	8.1
400 or more	587.8	584.5	3.2	2.5	S	V	V	8.8
Not available	46.9	45.2	1.7	S	.4	V	V	16.2
Not reported	8.8	8.6	S	S	S	V	V	17.2
Not applicable ²	93.3	92.9	.4	S	.3	V	V	27.1
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
REFUELING LOCATION								
Gas station	74 469.5	72 899.1	1 570.3	1 369.8	196.0	4.5	V	.3
Truck stop	1 427.5	709.8	717.7	119.3	584.5	13.6	S	4.1
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	2 941.7	2 348.5	593.2	128.8	423.1	40.0	1.2	3.2
Other company's/contractor's facility not open to the public	401.6	347.1	54.5	7.8	42.3	4.5	V	10.7
Other	37.2	37.0	.2	S	S	V	V	30.1
Not reported	3 919.4	3 764.5	154.9	76.8	74.1	4.0	V	3.9
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7

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	
MAINTENANCE⁵								
General maintenance performed by:								
None performed	1 931.2	1 897.0	34.2	25.8	8.3	S	V	5.5
Company-owned maintenance facility	7 079.0	6 022.3	1 056.7	235.0	774.4	45.9	1.3	2.5
General repair business or private mechanic	35 240.8	34 193.7	1 047.1	633.4	394.4	19.2	.1	1.0
Dealership service department	20 763.5	20 310.8	452.6	265.9	180.8	5.9	.1	1.5
Leasing company	178.8	138.1	40.7	S	33.9	1.1	S	15.5
Individual not employed/paid by any maintenance type facility								
Other	29 909.6	28 969.2	940.4	744.3	188.8	7.2	V	1.2
Not reported	4 118.5	3 963.2	155.3	72.4	79.6	3.3	V	3.8
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
Extensive repairs performed by:								
None performed	65 555.5	63 337.1	2 218.4	1 245.5	927.9	43.8	1.2	.5
Company-owned maintenance facility	1 055.5	909.7	145.8	35.6	100.2	9.9	.1	7.1
General repair business or private mechanic	5 782.8	5 502.3	280.5	160.7	112.3	7.4	S	3.2
Dealership service department	3 587.7	3 392.3	195.4	107.4	82.8	4.9	S	4.1
Leasing company	37.7	33.9	3.9	S	3.6	S	V	39.3
Component distributorship (engine, transmission, body, etc.)								
Individual not employed/paid by any repair type facility	309.1	279.9	29.2	13.8	14.5	.9	S	12.1
Other	3 573.3	3 422.2	151.2	121.1	29.1	1.0	S	4.0
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	190.2	183.0	S	S	1.5	V	V	16.6
Not applicable ²	1 978.0	1 978.0	V	V	V	V	V	5.7
AXLE ARRANGEMENT								
Driving axles:								
1	50 863.9	49 672.7	1 191.2	934.7	213.3	42.0	1.2	.7
2	34 261.6	32 369.7	1 891.9	767.0	1 100.1	24.5	.3	1.0
3 or more	22.8	21.2	1.6	.4	1.1	S	V	5.3
Not reported	26.5	20.5	6.1	.4	5.5	S	V	16.3
Total liftable axles and locations ¹² :								
None	5 292.6	3 687.5	1 605.1	245.7	1 292.2	65.7	1.5	.4
1	175.0	142.7	32.4	9.3	22.3	.8	S	2.0
Forward of the drive axle	103.7	80.2	23.5	6.4	16.3	.7	S	2.4
Below the chassis	30.6	27.8	2.9	.9	1.9	S	V	5.2
Beyond the chassis	14.1	13.3	.8	.4	.5	V	V	8.2
Not reported	26.6	21.4	5.2	1.5	3.7	S	V	5.7
2 or more	25.2	23.2	2.0	2.0	V	V	V	5.2
Forward of the drive axle	21.6	19.7	1.9	1.9	V	V	V	5.6
Below the chassis	9.4	8.6	.9	.9	V	V	V	7.9
Beyond the chassis	6.9	6.8	S	S	V	V	V	8.4
Not reported	1.2	1.1	S	S	V	V	V	22.5
Not reported	27.7	20.6	7.1	1.4	5.6	S	V	7.5
Not applicable ¹⁰	79 654.3	78 210.1	1 444.2	1 444.2	V	V	V	.2
Total liftable axles and number of braking axles:								
None	5 292.6	3 687.5	1 605.1	245.7	1 292.2	65.7	1.5	.4
1	175.0	142.7	32.4	9.3	22.3	.8	S	2.0
0 braking	25.3	19.5	5.8	1.5	4.2	S	V	5.3
1 braking	140.5	115.3	25.2	7.4	17.0	.7	S	2.2
Not reported	9.2	7.9	1.4	.3	1.1	V	V	10.1
2 or more	25.2	23.2	2.0	2.0	V	V	V	5.2
0 braking	.9	.8	S	S	V	V	V	23.0
1 braking	.9	.9	S	S	V	V	V	25.0
2 or more braking	22.6	20.8	1.8	1.8	V	V	V	5.7
Not reported	.8	.7	S	S	V	V	V	23.4
Not reported	27.7	20.6	7.1	1.4	5.6	S	V	7.5
Not applicable ¹⁰	79 654.3	78 210.1	1 444.2	1 444.2	V	V	V	.2
CAB TYPE								
Conventional cab								
With sleeper	4 878.7	3 403.2	1 475.5	244.2	1 171.8	58.1	1.4	.5
Without sleeper	568.6	7.0	561.5	V	549.0	12.1	.5	1.1
Not reported	4 220.0	3 393.2	826.8	244.2	539.1	42.6	.9	.5
Not reported	90.2	3.1	87.2	V	83.7	3.4	V	3.6
Cab over engine								
With sleeper	603.7	434.3	169.4	13.4	147.3	8.6	S	1.2
Without sleeper	109.0	4.2	104.8	V	98.9	5.7	S	3.2
Not reported	479.6	429.1	50.4	13.4	34.5	2.5	V	1.4
Not reported	15.1	.9	14.2	V	13.9	S	V	10.1
Cab forward of engine								
Cab beside engine	17.4	17.2	S	S	V	V	V	9.5
Not reported	9.3	8.9	S	S	S	V	V	12.3
Not reported	11.4	10.3	1.0	S	.8	V	V	34.2
Not applicable ¹⁰	79 654.3	78 210.1	1 444.2	1 444.2	V	V	V	.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.

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	1 114 728.0	969 104.3	26 255.6	11 765.7	107 602.4	X
Coefficient of variation (percent) .....	.6	.7	4.2	2.6	.7	X
BUSINESS¹						
For-hire transportation or warehousing	72 272.8	6 821.0	4 165.7	2 252.2	59 034.0	2.2
Vehicle leasing or rental	20 024.6	10 039.9	1 655.9	1 706.9	6 621.9	6.3
Agriculture, forestry, fishing, or hunting	24 120.0	15 586.0	1 824.4	868.6	5 841.0	5.8
Mining	3 411.5	1 410.4	1 177.9	69.2	1 754.0	10.6
Utilities	10 244.7	7 512.9	1 309.5	402.6	1 019.6	9.3
Construction	75 906.2	62 256.6	4 253.0	1 404.4	7 992.2	4.2
Manufacturing	15 384.5	10 254.1	518.1	450.4	4 162.0	9.2
Wholesale trade	16 963.5	9 773.9	1 502.4	1 247.0	4 440.1	8.0
Retail trade	27 470.5	18 642.8	1 790.0	1 194.9	5 842.9	5.3
Information services	5 622.0	4 833.4	S	59.6	95.5	16.7
Waste management, landscaping, or administrative/support services	10 709.3	5 497.6	1 383.3	451.6	3 376.8	8.5
Arts, entertainment, or recreation services	1 784.1	1 628.6	81.3	28.5	45.7	19.8
Accommodation or food services	5 816.3	3 700.9	331.7	165.4	1 618.3	11.8
Other services	35 776.2	33 997.0	1 077.2	254.1	447.9	6.6
Personal transportation	766 639.8	762 421.9	4 098.4	S	25.1	.8
Not reported	20 820.7	13 072.9	1 419.7	1 078.2	5 250.0	7.3
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
BODY TYPE						
Single-unit trucks	1 024 557.8	969 104.3	26 255.6	11 407.2	17 790.7	.7
Pickup	433 472.1	424 755.7	8 461.4	S	S	1.1
Minivan	161 288.1	161 282.9	S	V	V	2.5
Other light vans	59 958.7	59 235.1	723.6	V	V	4.6
Sport utility	314 836.7	314 595.7	240.9	V	V	1.5
Armored	293.8	S	60.2	106.4	36.0	33.6
Beverage	582.6	S	58.2	190.8	325.3	7.8
Concrete mixer	1 201.0	S	S	.2	1 181.5	4.2
Concrete pumper	105.4	V	S	S	98.1	19.1
Crane	121.2	S	6.7	34.2	71.6	16.7
Curtainside	69.5	S	S	7.8	49.2	19.8
Dump	7 244.1	362.3	1 049.7	764.7	5 067.3	2.2
Flatbed, stake, or platform	9 446.7	1 993.4	3 014.0	1 937.5	2 501.7	2.4
Low boy	20.9	S	S	S	15.6	26.9
Pole, logging, pulpwood, or pipe	391.1	S	1.3	16.9	372.7	8.8
Service, utility	3 214.6	830.1	1 344.3	549.9	490.3	4.2
Service, other	3 431.4	1 259.0	1 495.0	474.3	203.2	4.2
Street sweeper	80.2	12.9	53.3	6.9	7.1	15.5
Tank, dry bulk	191.9	S	11.2	36.2	142.2	12.3
Tank, liquids or gases	2 152.1	17.9	191.9	371.3	1 571.0	4.4
Tow/Wrecker	2 056.7	147.6	929.3	724.5	255.3	7.2
Trash, garbage, or recycling	2 244.9	7.3	84.7	100.4	2 052.5	4.2
Vacuum	224.1	S	24.7	26.8	168.5	11.9
Van, basic enclosed	11 271.0	1 791.0	3 626.8	3 971.0	1 882.2	4.5
Van, insulated nonrefrigerated	335.1	23.6	132.6	91.8	87.2	13.4
Van, insulated refrigerated	2 094.4	79.4	484.2	796.5	734.3	5.9
Van, open top	442.1	14.7	55.5	92.7	279.2	6.2
Van, step, walk-in, or multistop	6 835.6	2 224.5	3 789.2	712.3	109.5	6.4
Van, other	940.9	349.8	381.5	160.5	49.0	7.6
Other	S	S	S	S	S	S
Truck-tractors	90 170.2	V	V	358.5	89 811.7	.8
Automobile carrier	894.5	V	V	S	890.3	11.1
Beverage	636.1	V	V	9.1	627.0	8.2
Curtainside	272.1	V	V	S	272.1	18.5
Dump	5 258.9	V	V	S	5 255.2	3.8
Flatbed, stake, or platform	9 576.0	V	V	44.3	9 531.7	3.1
Livestock	729.4	V	V	S	727.6	10.1
Low boy	1 525.5	V	V	S	1 522.2	6.5
Mobile home toter	136.0	V	V	S	133.8	22.3
Open top	2 208.8	V	V	S	2 206.1	5.5
Pole, logging, pulpwood, or pipe	1 106.9	V	V	S	1 106.2	7.4
Tank, dry bulk	1 855.6	V	V	V	1 855.6	7.8
Tank, liquids or gases	5 565.1	V	V	V	5 559.4	4.4
Van, basic enclosed	47 381.8	V	V	264.6	47 117.2	1.4
Van, drop-frame	917.1	V	V	S	914.7	13.1
Van, insulated nonrefrigerated	1 341.0	V	V	V	1 341.0	8.4
Van, insulated refrigerated	10 742.1	V	V	13.0	10 729.1	3.4
Other	23.1	V	V	S	22.3	27.2
Not applicable ³	S	V	V	S	V	S
ANNUAL MILES						
Less than 5,000	28 808.3	26 534.3	808.0	515.7	950.4	2.2
5,000 to 9,999	121 794.6	116 881.4	2 269.3	832.5	1 811.4	1.8
10,000 to 19,999	494 022.3	477 789.4	8 647.8	2 519.1	5 066.1	1.0
20,000 to 29,999	209 195.6	193 588.9	6 475.9	3 000.9	6 129.9	2.5
30,000 to 49,999	127 078.7	108 024.4	5 068.0	2 629.9	11 356.2	3.9
50,000 to 74,999	55 029.7	36 134.3	1 980.3	1 259.2	15 655.8	6.4
75,000 or more	77 037.4	8 497.3	972.6	970.5	66 597.0	2.8
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
PRIMARY RANGE OF OPERATION						
Off-the-road	10 123.4	7 678.4	494.9	111.5	1 838.7	9.7
50 miles or less	705 948.5	664 929.5	13 591.3	5 990.3	21 437.4	.9
51 to 100 miles	120 933.5	101 434.9	4 774.2	1 641.5	13 082.8	3.1
101 to 200 miles	42 499.6	30 367.3	1 422.6	776.1	9 933.5	5.6
201 to 500 miles	32 482.5	14 640.6	1 157.1	679.5	16 005.3	5.7
501 miles or more	42 015.3	14 941.4	867.7	429.7	25 776.5	3.7
Not reported	158 963.9	133 457.9	3 914.1	2 099.3	19 492.7	2.4
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8

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.....	313.5	228.4	S	S	33.0	36.6
Operated in Mexico.....	S	S	S	S	17.1	S
Operated within the home base state.....	930 033.4	844 881.0	21 800.9	8 997.4	54 354.2	.8
Operated in states other than the home base state.....	61 687.4	20 829.4	1 053.2	786.2	39 018.6	2.6
Not reported.....	119 815.4	100 423.7	3 350.7	1 897.1	14 143.8	2.7
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
MONTHS OPERATED						
12.....	862 979.6	752 430.7	20 926.9	8 978.4	80 643.7	.8
7 to 11.....	157 537.0	133 425.2	3 758.2	1 717.1	18 636.5	2.4
2 to 6.....	86 156.8	76 055.7	1 398.5	929.0	7 773.7	3.4
1 or less.....	6 293.2	5 538.5	138.4	103.4	512.9	9.7
Vehicle not used.....	1 761.4	1 654.3	33.6	37.8	35.7	13.8
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	741 532.5	741 532.5	N	N	N	.9
6,001 to 8,500.....	188 475.9	188 475.9	N	N	N	2.5
8,501 to 10,000.....	39 095.8	39 095.8	N	N	N	6.3
10,001 to 14,000.....	15 186.1	N	15 186.1	N	N	5.5
14,001 to 16,000.....	5 908.3	N	5 908.3	N	N	8.7
16,001 to 19,500.....	5 161.2	N	5 161.2	N	N	10.0
19,501 to 26,000.....	11 765.7	N	N	11 765.7	N	2.6
26,001 to 33,000.....	5 845.4	N	N	N	5 845.4	3.3
33,001 to 40,000.....	3 769.6	N	N	N	3 769.6	4.3
40,001 to 50,000.....	6 697.6	N	N	N	6 697.6	3.1
50,001 to 60,000.....	8 950.4	N	N	N	8 950.4	3.3
60,001 to 80,000.....	77 489.4	N	N	N	77 489.4	.9
80,001 to 100,000.....	2 949.8	N	N	N	2 949.8	4.5
100,001 to 130,000.....	1 571.1	N	N	N	1 571.1	7.3
130,001 or more.....	329.1	N	N	N	329.1	10.5
TOTAL LENGTH (FEET)						
Less than 20.0.....	865 812.7	850 982.2	9 701.2	2 507.7	2 621.6	.8
20.0 to 27.9.....	101 006.5	82 678.5	7 810.0	4 441.8	6 076.1	3.2
28.0 to 35.9.....	39 685.1	26 987.0	3 945.3	3 073.1	5 679.8	5.4
36.0 to 40.9.....	13 676.0	6 787.1	2 065.8	942.3	3 880.8	9.5
41.0 to 44.9.....	4 322.8	480.1	1 299.6	184.3	2 358.8	9.7
45.0 to 49.9.....	5 118.2	S	891.0	238.0	2 958.4	12.8
50.0 to 54.9.....	5 414.1	S	527.2	127.8	4 622.8	6.1
55.0 to 59.9.....	10 063.2	S	S	41.9	9 987.6	2.9
60.0 to 64.9.....	17 561.5	S	S	73.6	17 487.3	2.4
65.0 to 69.9.....	21 406.1	V	S	S	21 382.3	2.3
70.0 to 74.9.....	20 632.7	V	S	112.1	20 520.0	2.5
75.0 to 79.9.....	8 955.8	V	V	S	8 955.7	4.4
80.0 or more.....	1 073.3	V	V	S	1 071.3	11.5
MILES PER GALLON						
Less than 5.....	11 005.3	172.8	340.6	352.2	10 139.7	2.3
5 to 6.9.....	69 007.1	2 330.8	1 021.6	1 362.5	64 292.3	1.3
7 to 8.9.....	21 890.1	6 131.4	2 726.1	2 234.1	10 798.4	4.1
9 to 10.9.....	46 779.4	36 727.7	5 913.7	2 205.0	1 933.0	4.9
11 to 12.9.....	66 832.6	60 470.2	4 428.2	1 180.0	754.2	4.2
13 to 14.9.....	89 499.0	86 360.0	2 654.5	290.7	193.7	3.6
15 or more.....	629 026.3	623 841.5	4 495.7	421.5	267.6	1.1
15 to 20.9.....	494 122.2	489 145.6	4 287.5	421.5	267.6	1.3
21 to 24.9.....	87 864.7	87 767.0	S	V	V	3.6
25 or more.....	47 039.4	46 928.9	S	V	V	5.1
Not reported.....	178 926.9	151 415.6	4 641.6	3 681.8	19 187.9	2.2
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
MODEL YEAR						
2003.....	2 605.9	S	32.1	49.0	2 134.0	12.0
2002.....	76 980.1	66 116.4	1 046.6	713.5	9 103.5	3.6
2001.....	126 047.8	109 301.6	2 705.4	1 257.9	12 782.9	3.0
2000.....	141 768.8	117 724.5	3 034.3	1 541.2	19 468.7	2.8
1999.....	119 130.6	99 670.5	4 436.3	1 538.5	13 485.3	3.0
1998.....	102 522.3	90 194.9	1 973.3	814.6	9 539.6	3.4
1997.....	88 884.8	79 214.7	2 328.3	741.3	6 600.4	3.6
1996.....	70 503.7	62 121.9	1 461.4	670.5	6 249.9	3.9
1995.....	71 863.6	62 777.3	1 623.0	801.0	6 662.3	3.6
1994.....	58 481.2	53 002.0	1 025.7	408.9	4 044.6	4.2
1993.....	46 451.2	42 232.4	634.8	428.9	3 155.1	4.4
Pre-1993.....	209 488.1	186 357.3	5 954.4	2 800.5	14 375.9	2.0
VEHICLE ACQUISITION						
New.....	561 446.0	471 179.5	16 678.1	7 293.6	66 294.8	1.2
Used.....	473 940.8	431 411.0	7 685.6	3 584.0	31 260.2	1.3
Not reported.....	79 341.2	66 513.8	1 891.9	888.1	10 047.4	3.5
LEASE CHARACTERISTICS						
Leased.....	100 995.2	65 505.3	2 482.5	2 543.2	30 464.1	3.0
Lessee.....	73 358.7	55 050.4	1 533.1	1 037.0	15 738.2	3.9
Vehicle only.....	16 667.3	437.2	1 280.9	1 035.5	13 913.7	2.7
Vehicle with driver.....	1 748.1	S	V	S	1 748.6	6.8
Not reported.....	82.6	V	S	S	77.9	27.1
Not applicable ⁴	54 860.7	54 612.2	S	V	248.5	5.1
Lessor.....	22 281.4	5 744.4	919.9	1 483.4	14 133.7	4.3
Vehicle only.....	13 804.4	179.6	792.4	1 431.8	11 400.6	2.7
Vehicle with driver.....	2 657.2	S	7.5	S	2 609.4	6.9
Not reported.....	149.3	S	S	S	123.7	29.8
Not applicable ⁴	5 670.6	5 552.4	S	V	118.2	15.1
Not reported.....	5 355.0	4 710.5	29.5	22.9	592.2	11.9
Not leased.....	591 796.8	516 359.5	15 352.8	6 055.2	54 029.4	1.1
Not reported.....	421 936.1	387 239.5	8 420.3	3 167.3	23 108.9	1.4

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	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	100 995.2	65 505.3	2 482.5	2 543.2	30 464.1	3.0
1 to 11 months	2 179.1	29.5	54.1	123.8	1 971.8	5.9
12 months or more	33 027.8	606.1	2 023.0	2 392.9	28 005.8	1.8
Not reported	554.7	S	38.7	26.5	486.6	12.4
Not applicable ⁴	65 233.5	64 866.8	S	V	V	4.6
Provisions of lease ⁵ :						
Financing only	20 602.6	547.7	1 559.7	1 546.6	16 948.6	2.4
Full maintenance	11 813.0	123.4	635.9	1 320.0	9 733.7	2.8
Payment of taxes	13 660.5	189.9	816.5	1 359.7	11 294.4	2.5
Obtaining licenses and permits	14 408.6	154.5	729.9	1 353.2	12 171.1	2.5
Recordkeeping	8 125.2	103.0	424.7	711.1	6 886.4	3.5
Fuel contract	4 143.2	48.2	228.7	300.0	3 566.3	5.2
PRIMARY OPERATOR CLASSIFICATION						
Private	239 426.5	185 119.6	16 103.0	7 114.0	31 089.9	2.1
Motor carrier	62 059.9	4 590.8	3 267.3	2 122.2	52 079.7	2.0
Owner operator	24 402.0	5 238.9	1 047.8	634.1	17 481.2	5.5
Rental	20 434.0	10 078.1	1 701.7	1 763.2	6 890.9	6.2
Personal transportation	766 644.3	762 422.6	4 102.3	S	25.1	.8
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
For-hire characteristics:						
Type of carrier:						
Contract	41 703.7	315.9	1 800.8	1 313.7	38 273.3	1.8
Common	28 065.2	334.7	1 587.9	958.3	25 184.4	1.9
Not reported	7 445.6	287.2	570.8	484.3	6 103.2	3.8
Not applicable ⁶	1 037 513.5	968 166.5	22 296.0	9 009.4	38 041.6	.7
Type of service:						
Truckload	55 846.8	230.3	938.6	1 055.3	53 622.6	1.2
Less-than truckload	14 289.3	419.3	2 444.7	1 157.8	10 267.4	3.9
Not reported	7 078.0	288.1	576.2	543.2	5 670.5	3.9
Not applicable ⁶	1 037 513.9	968 166.5	22 296.0	9 009.4	38 041.9	.7
Source of hauls:						
Shippers or receivers	57 610.6	511.1	2 850.6	1 609.8	52 639.2	1.4
Brokers	6 501.9	S	123.1	116.2	6 241.9	4.1
Centralized markets or exchanges	1 042.7	19.4	57.8	138.9	826.6	10.9
Other	V	V	V	V	V	N
Not reported	12 059.2	386.5	928.1	891.4	9 853.2	2.9
Not applicable ⁶	1 037 513.5	968 166.5	22 296.0	9 009.4	38 041.6	.7
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	23 361.8	130.9	315.6	510.3	22 405.0	2.4
Not carrying hazardous materials	92 985.6	6 888.2	12 389.0	7 788.2	65 920.2	.9
Not reported	17 261.5	1 284.8	2 257.3	1 424.4	12 295.0	2.2
Not applicable ⁸	981 119.1	960 800.3	11 293.6	2 042.8	6 982.3	.7
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	1 514.3	341.0	517.7	302.8	352.8	9.2
Air bag(s) (safety device only)	687 147.0	660 174.4	9 220.1	1 705.8	16 046.6	1.0
Air compressor (except air brakes)	15 299.2	216.0	717.3	631.3	13 734.7	2.4
Air-conditioning	952 431.2	836 600.8	17 392.1	7 190.6	91 247.6	.7
Air springs	45 806.8	56.8	221.6	745.8	44 782.7	1.4
Antilock brake system	732 169.5	651 975.4	13 738.1	4 564.9	61 891.1	.9
Collision warning system	2 553.2	85.8	600.1	71.9	1 795.3	6.5
Computerized drive train control unit	151 461.7	141 155.5	1 676.9	438.1	8 191.2	2.8
Crane	1 522.8	119.7	397.4	288.0	717.8	5.4
Electronic vehicle identification device	13 188.0	40.6	109.1	102.5	12 935.9	3.4
Engine retarder/brake	58 553.7	234.7	855.6	505.2	56 958.2	1.2
Front-wheel drive	405 069.9	399 843.6	5 098.3	S	S	1.4
Hoist	5 423.4	255.7	868.0	661.5	3 638.2	2.5
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	12 561.3	25.2	626.8	322.7	11 586.6	3.6
Internet access	1 262.8	S	S	S	1 219.3	8.3
Lift gate	5 364.5	651.9	1 813.6	1 816.2	1 082.9	3.3
Mounting bar for snowplow	11 441.3	10 726.8	523.6	45.8	145.1	9.2
Navigational system	1 628.2	S	S	S	1 537.6	8.4
Power take-off	26 861.0	383.6	2 149.8	1 988.3	22 339.2	1.5
Radial tires	734 855.7	631 436.0	17 918.4	6 888.3	78 612.9	.9
Reflective material in addition to those required by law	24 333.9	748.5	2 400.7	1 393.9	19 790.8	2.1
Road speed governor	66 666.2	714.2	3 783.5	3 416.7	58 751.8	1.3
Toolbox	129 942.8	99 253.1	7 984.1	2 966.9	19 738.7	3.0
Trip recorder or on-board computer with communication capabilities	66 964.4	42 213.8	1 899.5	653.9	22 197.2	3.6
Trip recorder or on-board computer without communication capabilities	188 654.5	176 746.0	2 608.7	212.2	9 087.6	2.3
Vehicle control aids for handicapped drivers	1 540.0	1 414.6	S	V	V	27.6
Wheelchair lift	1 984.6	1 981.3	S	V	V	21.7
Winch	9 266.1	4 826.4	1 507.2	873.5	2 059.0	8.6
Transmission type:						
Automatic	800 969.4	776 427.1	15 217.8	3 039.4	6 285.0	.9
Manual	256 280.1	150 901.8	9 176.0	7 000.8	89 201.4	1.6
Semiautomated manual	2 353.0	1 066.6	S	26.6	1 236.3	20.5
Automated manual	1 995.9	1 048.9	S	11.2	925.1	15.6
Not reported	53 129.7	39 659.8	1 827.6	1 687.8	9 954.6	4.1
Braking system:						
Hydraulic (standard)	18 808.6	4 538.6	7 043.5	3 798.8	3 427.8	2.9
Hydraulic with power assist	14 808.3	3 510.7	6 622.9	3 081.7	1 593.1	3.2
Air	96 707.6	138.5	798.4	2 921.9	92 848.8	.8
Other	V	V	V	V	V	N
Not reported	14 847.9	1 046.9	2 359.8	1 738.9	9 702.2	2.5
Not applicable ¹⁰	969 555.5	959 869.5	9 431.0	S	S	.7

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	936 146.5	922 152.4	10 757.8	2 112.9	1 123.5	.7
Diesel	167 407.2	36 527.6	15 249.9	9 401.4	106 228.2	1.5
Natural gas	979.0	912.7	S	S	S	24.9
Propane	575.9	104.1	153.9	174.7	143.2	11.6
Alcohol fuels	1 560.2	1 547.3	S	S	S	14.1
Electricity	S	S	V	V	V	S
Combination	5 080.3	5 017.1	21.7	11.3	30.2	13.5
Other	V	V	V	V	V	N
Not reported	1 217.5	1 188.8	6.9	1.7	20.1	30.7
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
Cylinders ¹¹ :						
4 cylinders	127 973.3	125 338.3	1 963.8	290.7	380.6	2.9
6 cylinders	596 047.2	480 100.2	5 716.1	7 236.3	102 994.6	1.0
8 cylinders	379 361.3	356 395.1	17 181.6	3 813.2	1 971.5	1.6
Other	11 346.1	7 270.7	1 394.1	425.5	2 255.8	8.8
Cubic inch displacement ¹¹ :						
Gasoline fuel	936 146.5	922 152.4	10 757.8	2 112.9	1 123.5	.7
Less than 200	233 334.4	233 179.2	S	57.8	S	2.1
200 to 299	388 620.3	387 359.6	1 100.2	140.3	S	1.5
300 to 349	149 604.2	148 419.7	1 130.3	21.9	S	2.7
350 to 399	133 757.0	127 943.0	4 594.1	826.6	393.3	2.9
400 or more	24 900.5	20 241.1	3 531.7	749.4	378.2	5.4
Not available	5 930.3	5 009.8	308.1	316.9	295.4	14.3
Diesel fuel	167 407.2	36 527.6	15 249.9	9 401.4	106 228.2	1.5
Less than 400	21 974.7	13 250.3	5 643.3	1 869.8	1 211.3	5.2
400 to 599	46 852.3	22 919.3	9 308.7	6 924.6	7 699.7	4.7
600 to 799	52 169.5	9.1	54.2	275.3	51 830.8	1.3
800 or more	32 836.0	272.2	152.3	190.5	32 221.1	1.7
Not available	13 574.6	S	91.3	141.3	13 265.3	2.7
Other fuel	8 195.4	7 581.2	207.4	211.9	194.9	9.3
Less than 400	7 586.4	7 401.2	82.7	82.8	19.6	10.0
400 or more	580.1	167.6	122.0	121.1	169.5	15.5
Not available	28.9	S	S	8.0	5.8	26.3
Not reported	1 217.5	1 188.8	6.9	1.7	20.1	30.7
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
REFUELING LOCATION						
Gas station	929 925.6	892 771.6	17 992.5	5 668.1	13 493.4	.7
Truck stop	62 738.0	9 494.8	1 864.0	1 767.8	49 611.3	2.6
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	60 383.5	16 973.8	4 753.6	3 123.7	35 532.4	2.5
Other company's/contractor's facility not open to the public	8 667.2	4 389.8	382.7	503.5	3 391.1	9.6
Other	421.6	404.5	S	S	S	32.0
Not reported	50 830.8	43 415.5	1 225.0	660.4	5 530.0	4.0
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
MAINTENANCE⁵						
General maintenance performed by:						
None performed	15 079.6	14 662.4	96.8	48.2	272.3	9.7
Company-owned maintenance facility	154 498.0	70 059.3	9 393.5	5 207.0	69 838.1	2.1
General repair business or private mechanic	496 550.5	450 423.3	9 478.3	3 931.7	32 717.1	1.3
Dealership service department	298 912.2	274 039.5	4 908.9	1 839.1	18 124.6	1.8
Leasing company	4 464.6	1 153.0	181.1	321.1	2 809.4	7.7
Individual not employed/paid by any maintenance type facility	346 395.8	328 212.9	5 433.3	1 563.6	11 185.9	1.6
Other	V	V	V	V	V	N
Not reported	54 245.1	46 390.5	1 152.6	656.8	6 045.1	4.0
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
Extensive repairs performed by:						
None performed	858 631.1	758 331.6	18 283.9	7 894.4	74 121.2	.8
Company-owned maintenance facility	22 141.2	10 847.6	1 216.0	591.7	9 485.9	6.2
General repair business or private mechanic	86 267.8	73 584.7	2 303.0	957.4	9 422.6	3.9
Dealership service department	61 277.4	49 734.1	2 047.8	666.4	8 829.1	4.2
Leasing company	987.0	S	29.7	88.4	318.5	40.1
Component distributorship (engine, transmission, body, etc.)	6 180.9	4 069.5	S	106.3	1 532.8	17.3
Individual not employed/paid by any repair type facility	38 970.3	35 444.2	1 233.2	228.4	2 064.6	5.3
Other	V	V	V	V	V	N
Not reported	2 679.6	2 600.8	10.0	S	38.8	26.3
Not applicable ²	1 761.4	1 654.3	33.6	37.8	35.7	13.8
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	1 002 652.1	955 691.0	20 620.8	10 563.9	15 776.4	.7
2 axles	992 916.9	955 645.1	20 515.8	10 426.0	6 330.0	.7
3 axles	6 784.7	17.4	92.4	126.9	6 548.0	2.1
4 axles	2 303.5	S	S	7.7	2 292.2	3.1
5 axles or more	547.4	V	V	S	546.0	6.5
Not reported	99.6	28.0	9.5	1.9	60.2	22.0
Combinations	112 075.9	13 413.3	5 634.8	1 201.8	91 826.1	1.7
Single-unit trucks with trailer	21 905.7	13 413.3	5 634.8	843.3	2 014.4	8.1
3 axles	6 550.0	5 625.5	577.9	143.6	203.1	16.8
4 axles	12 549.8	6 733.7	4 852.9	502.4	460.7	10.3
5 axles or more	2 103.8	S	S	42.8	1 265.3	24.0
Not reported	702.0	404.4	57.9	S	85.3	31.1
Truck-tractors with single trailer	84 307.7	V	V	358.5	83 949.2	.8
3 axles	1 404.5	V	V	32.2	1 372.2	6.1
4 axles	4 594.3	V	V	134.2	4 460.2	4.4
5 axles or more	73 112.2	V	V	143.9	72 968.2	.9
Not reported	5 196.7	V	V	48.2	5 148.6	4.2
Truck-tractors with double trailers	5 617.4	V	V	V	5 617.4	5.3
5 axles	3 558.0	V	V	V	3 558.0	7.0
6 axles	934.7	V	V	V	934.7	14.1
7 axles	313.5	V	V	V	313.5	16.9
8 axles or more	664.9	V	V	V	664.9	10.8
Not reported	146.3	V	V	V	146.3	27.7

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	245.1	V	V	V	245.1	33.2
7 axles	220.1	V	V	V	220.1	36.8
8 axles	S	V	V	V	S	S
9 axles	S	V	V	V	S	S
10 axles or more	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Driving axles:						
1	617 333.0	568 541.1	19 834.6	11 085.8	17 871.5	1.1
2	496 730.2	400 488.4	6 410.7	676.2	89 154.9	1.1
3 or more	376.0	V	S	S	373.9	7.5
Not reported	288.8	74.8	10.0	1.9	202.2	14.1
Total liftable axles and locations ¹² :						
None	139 553.4	9 227.7	16 794.1	11 487.7	102 043.8	.7
1	4 451.5	5.7	16.7	S	4 386.2	2.9
Forward of the drive axle	2 976.9	S	S	S	2 937.7	3.6
Below the chassis	588.4	S	9.8	S	568.2	8.3
Beyond the chassis	234.1	V	V	V	234.1	11.0
Not reported	652.2	S	S	S	646.2	7.7
2 or more	651.5	V	V	S	649.9	6.0
Forward of the drive axle	527.8	V	V	S	526.3	6.2
Below the chassis	235.6	V	V	S	234.4	10.4
Beyond the chassis	129.6	V	V	V	129.6	9.9
Not reported	32.7	V	V	S	32.5	27.8
Not reported	516.2	1.4	13.7	9.0	492.0	9.3
Not applicable ¹⁰	969 555.5	959 869.5	9 431.0	S	S	.7
Total liftable axles and number of braking axles:						
None	139 553.4	9 227.7	16 794.1	11 487.7	102 043.8	.7
1	4 451.5	5.7	16.7	S	4 386.2	2.9
0 braking	576.7	S	S	S	568.8	8.0
1 braking	3 687.4	S	11.7	S	3 641.8	3.2
Not reported	187.4	S	S	S	175.6	15.3
2 or more	651.5	V	V	S	649.9	6.0
0 braking	18.9	V	V	V	18.9	28.2
1 braking	26.0	V	V	S	24.8	30.4
2 or more braking	583.4	V	V	S	583.1	6.5
Not reported	23.1	V	V	V	23.1	30.7
Not reported	516.2	1.4	13.7	9.0	492.0	9.3
Not applicable ¹⁰	969 555.5	959 869.5	9 431.0	S	S	.7
CAB TYPE						
Conventional cab						
With sleeper	127 623.2	8 312.9	12 980.7	10 421.2	95 908.4	.8
Without sleeper	49 177.6	V	V	102.2	49 075.4	1.4
Not reported	72 741.0	8 312.9	12 980.7	10 287.3	41 160.0	1.2
Not reported	5 704.7	V	V	S	5 673.0	4.4
Cab over engine						
With sleeper	17 088.5	832.9	3 730.9	1 072.2	11 452.5	2.3
Without sleeper	7 042.5	V	V	38.7	7 003.9	4.7
Not reported	8 994.1	832.9	3 730.9	1 033.5	3 396.7	2.1
Not reported	1 051.9	V	V	V	1 051.9	12.4
Cab forward of engine						
Cab beside engine	284.3	37.2	68.2	S	149.6	13.8
Not reported	101.0	41.8	41.5	S	14.3	17.0
Not reported	75.4	S	3.2	S	47.0	25.9
Not applicable ¹⁰	969 555.5	959 869.5	9 431.0	S	S	.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.

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	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		
Total	1 114 728.0	1 002 652.1	112 075.9	21 905.7	84 307.7	5 617.4	245.1	X
Coefficient of variation (percent) .....	.6	.7	1.7	8.1	.8	5.3	33.2	X
BUSINESS¹								
For-hire transportation or warehousing	72 272.8	13 733.3	58 539.5	1 079.2	52 947.5	4 274.2	238.7	2.2
Vehicle leasing or rental	20 024.6	14 487.9	5 536.7	S	5 514.6	S	V	6.3
Agriculture, forestry, fishing, or hunting	24 120.0	17 523.3	6 596.7	2 120.1	4 131.1	345.4	V	5.8
Mining	3 411.5	2 196.5	1 215.1	140.9	986.6	87.5	V	10.6
Utilities	10 244.7	9 077.0	1 167.7	890.8	273.9	S	V	9.3
Construction	75 906.2	68 968.0	6 938.1	3 824.7	2 724.8	382.8	S	4.2
Manufacturing	15 384.5	11 912.9	3 471.6	240.2	3 171.0	60.4	V	9.2
Wholesale trade	16 963.5	13 552.8	3 410.7	297.0	2 970.0	143.7	V	8.0
Retail trade	27 470.5	21 608.5	5 862.0	1 062.1	4 735.5	S	S	5.3
Information services	5 622.0	5 586.4	35.6	12.7	22.9	V	V	16.7
Waste management, landscaping, or administrative/support services	10 709.3	7 784.5	2 924.8	2 020.3	882.5	21.9	V	8.5
Arts, entertainment, or recreation services	1 784.1	1 576.7	207.4	S	32.8	S	V	19.8
Accommodation or food services	5 816.3	4 323.0	1 493.4	15.3	1 364.2	S	V	11.8
Other services	35 776.2	35 354.6	421.6	S	291.5	S	V	6.6
Personal transportation	766 639.8	757 379.8	9 260.0	9 256.8	3.3	V	V	.8
Not reported	20 820.7	15 825.6	4 995.1	627.7	4 255.5	111.8	V	7.3
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
BODY TYPE								
Single-unit trucks	1 024 557.8	1 002 652.1	21 905.7	21 905.7	N	N	N	.7
Pickup	433 472.1	418 992.9	14 479.2	14 479.2	N	N	N	1.1
Minivan	161 288.1	161 070.3	S	S	N	N	N	2.5
Other light vans	59 958.7	59 453.4	505.2	505.2	N	N	N	4.6
Sport utility	314 836.7	311 976.9	2 859.8	2 859.8	N	N	N	1.5
Armored	293.8	293.8	V	V	N	N	N	33.6
Beverage	582.6	571.9	10.7	10.7	N	N	N	7.8
Concrete mixer	1 201.0	1 165.1	35.9	35.9	N	N	N	4.2
Concrete pumper	105.4	103.9	S	S	N	N	N	19.1
Crane	121.2	120.1	S	S	N	N	N	16.7
Curtainside	69.5	66.4	S	S	N	N	N	19.8
Dump	7 244.1	5 987.0	1 257.1	1 257.1	N	N	N	2.2
Flatbed, stake, or platform	9 446.7	8 155.3	1 291.4	1 291.4	N	N	N	2.4
Low boy	20.9	S	15.0	15.0	N	N	N	26.9
Pole, logging, pulpwood, or pipe	391.1	122.9	268.2	268.2	N	N	N	8.8
Service, utility	3 214.6	2 946.7	267.9	267.9	N	N	N	4.2
Service, other	3 431.4	3 270.5	161.0	161.0	N	N	N	4.2
Street sweeper	80.2	80.2	V	V	N	N	N	15.5
Tank, dry bulk	191.9	185.8	S	S	N	N	N	12.3
Tank, liquids or gases	2 152.1	1 950.8	201.3	201.3	N	N	N	4.4
Tow/Wrecker	2 056.7	2 041.1	S	S	N	N	N	7.2
Trash, garbage, or recycling	2 244.9	2 244.1	S	S	N	N	N	4.2
Vacuum	224.1	217.1	7.0	7.0	N	N	N	11.9
Van, basic enclosed	11 271.0	11 134.4	136.7	136.7	N	N	N	4.5
Van, insulated nonrefrigerated	335.1	333.0	S	S	N	N	N	13.4
Van, insulated refrigerated	2 094.4	2 048.2	46.2	46.2	N	N	N	5.9
Van, open top	442.1	408.8	33.3	33.3	N	N	N	6.2
Van, step, walk-in, or multistop	6 835.6	6 772.0	63.5	63.5	N	N	N	6.4
Van, other	940.9	922.9	18.0	18.0	N	N	N	7.6
Other	S	S	S	S	N	N	N	S
Truck-tractors	90 170.2	S	90 170.2	N	84 307.7	5 617.4	245.1	.8
Automobile carrier	894.5	N	894.5	N	894.5	V	V	11.1
Beverage	636.1	N	636.1	N	627.4	S	V	8.2
Curtainside	272.1	N	272.1	N	269.7	S	V	18.5
Dump	5 258.9	N	5 258.9	N	4 573.5	683.9	S	3.8
Flatbed, stake, or platform	9 576.0	N	9 576.0	N	9 136.9	439.1	V	3.1
Livestock	729.4	N	729.4	N	725.4	S	V	10.1
Low boy	1 525.5	N	1 525.5	N	1 505.5	S	14.5	6.5
Mobile home toter	136.0	N	136.0	N	136.0	V	V	22.3
Open top	2 208.8	N	2 208.8	N	2 120.5	88.4	V	5.5
Pole, logging, pulpwood, or pipe	1 106.9	N	1 106.9	N	1 095.4	S	V	7.4
Tank, dry bulk	1 855.6	N	1 855.6	N	1 644.3	211.4	V	7.8
Tank, liquids or gases	5 565.1	N	5 565.1	N	5 411.9	153.3	V	4.4
Van, basic enclosed	47 381.8	N	47 381.8	N	43 770.1	3 385.5	226.3	1.4
Van, drop-frame	917.1	N	917.1	N	488.3	428.8	V	13.1
Van, insulated nonrefrigerated	1 341.0	N	1 341.0	N	1 283.5	S	V	8.4
Van, insulated refrigerated	10 742.1	N	10 742.1	N	10 601.8	137.4	S	3.4
Other	23.1	N	23.1	N	23.1	V	V	27.2
Not applicable ³	S	S	V	N	V	V	V	S
ANNUAL MILES								
Less than 5,000	28 808.3	27 564.0	1 244.4	983.0	255.1	6.2	V	2.2
5,000 to 9,999	121 794.6	118 933.6	2 861.0	2 355.7	493.7	11.5	V	1.8
10,000 to 19,999	494 022.3	485 414.5	8 607.9	6 942.5	1 617.7	47.7	V	1.0
20,000 to 29,999	209 195.6	203 255.2	5 940.4	3 368.9	2 494.9	72.4	S	2.5
30,000 to 49,999	127 078.7	115 918.3	11 160.3	4 001.6	6 771.8	386.6	S	3.9
50,000 to 74,999	55 029.7	39 650.3	15 379.3	2 366.6	12 239.6	770.9	2.3	6.4
75,000 or more	77 037.4	10 154.8	66 882.6	1 887.3	60 435.0	4 322.0	238.4	2.8
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8

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	10 123.4	7 702.0	2 421.5	S	1 376.4	S	V	9.7
50 miles or less	705 948.5	685 077.8	20 870.7	9 802.8	10 407.2	656.1	S	.9
51 to 100 miles	120 933.5	107 974.9	12 958.6	3 145.8	9 227.3	585.5	V	3.1
101 to 200 miles	42 499.6	31 804.5	10 695.1	1 658.5	7 960.3	1 067.2	S	5.6
201 to 500 miles	32 482.5	15 396.7	17 085.8	1 390.0	14 087.8	1 562.8	S	5.7
501 miles or more	42 015.3	15 070.0	26 945.4	1 290.0	24 186.0	1 283.4	185.8	3.7
Not reported	158 963.9	137 864.9	21 098.9	3 585.4	17 062.7	450.4	S	2.4
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
PRIMARY JURISDICTION								
Operated in Canada	313.5	260.1	53.5	S	29.0	V	V	36.6
Operated in Mexico	S	S	18.5	S	18.2	V	V	S
Operated within the home base state	930 033.4	873 116.6	56 918.8	17 960.1	35 597.3	3 315.4	S	.8
Operated in states other than the home base state	61 687.4	21 813.1	39 874.3	1 261.3	36 499.2	1 917.6	196.2	2.6
Not reported	119 815.4	104 602.6	15 212.9	2 659.5	12 164.1	384.3	S	2.7
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
MONTHS OPERATED								
12	862 979.6	777 840.1	85 139.5	16 564.7	63 981.9	4 380.2	212.7	.8
7 to 11	157 537.0	138 927.3	18 609.7	3 691.9	14 170.2	742.7	S	2.4
2 to 6	86 156.8	78 281.3	7 875.4	1 590.8	5 788.5	468.7	S	3.4
1 or less	6 293.2	5 842.0	451.2	58.4	367.1	S	S	9.7
Vehicle not used	1 761.4	1 761.4	V	V	V	V	V	13.8
VEHICLE SIZE								
Light	969 104.3	955 691.0	13 413.3	13 413.3	V	V	V	.7
Medium	26 255.6	20 620.8	5 634.8	5 634.8	V	V	V	4.2
Light-heavy	11 765.7	10 563.9	1 201.8	843.3	358.5	V	V	2.6
Heavy-heavy	107 602.4	15 776.4	91 826.1	2 014.4	83 949.2	5 617.4	245.1	.7
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	741 532.5	736 719.8	4 812.7	4 812.7	V	V	V	.9
6,001 to 8,500	188 475.9	182 989.5	5 486.4	5 486.4	V	V	V	2.5
8,501 to 10,000	39 095.8	35 981.7	3 114.2	3 114.2	V	V	V	6.3
10,001 to 14,000	15 186.1	12 244.3	2 941.8	2 941.8	V	V	V	5.5
14,001 to 16,000	5 908.3	4 508.6	1 399.7	1 399.7	V	V	V	8.7
16,001 to 19,500	5 161.2	3 867.9	1 293.3	1 293.3	V	V	V	10.0
19,501 to 26,000	11 765.7	10 563.9	1 201.8	843.3	358.5	V	V	2.6
26,001 to 33,000	5 845.4	4 736.0	1 109.3	300.5	780.5	S	V	3.3
33,001 to 40,000	3 769.6	1 615.0	2 154.6	349.7	1 716.4	88.5	V	4.3
40,001 to 50,000	6 697.6	2 352.4	4 345.2	201.9	4 051.8	91.5	V	3.1
50,001 to 60,000	8 950.4	2 880.8	6 069.6	133.5	5 680.8	255.2	V	3.3
60,001 to 80,000	77 489.4	3 985.4	73 504.0	741.1	68 375.7	4 377.7	S	.9
80,001 to 100,000	2 949.8	182.4	2 767.5	176.3	2 435.0	109.1	47.1	4.5
100,001 to 130,000	1 571.1	24.3	1 546.8	103.1	785.9	483.2	174.6	7.3
130,001 or more	329.1	S	329.0	S	123.1	183.9	13.9	10.5
TOTAL LENGTH (FEET)								
Less than 20.0	865 812.7	865 812.7	V	V	V	V	V	.8
20.0 to 27.9	101 006.5	96 585.7	4 420.8	4 420.8	V	V	V	3.2
28.0 to 35.9	39 685.1	32 197.1	7 488.0	7 152.0	336.0	V	V	5.4
36.0 to 40.9	13 676.0	6 817.7	6 858.3	4 375.6	2 482.8	V	V	9.5
41.0 to 44.9	4 322.8	683.4	3 639.4	1 687.7	1 951.7	V	V	9.7
45.0 to 49.9	5 118.2	364.8	4 753.4	2 217.8	2 520.1	S	V	12.8
50.0 to 54.9	5 414.1	187.7	5 226.4	1 052.4	4 147.1	26.9	V	6.1
55.0 to 59.9	10 063.2	S	10 063.1	307.8	9 645.6	109.8	V	2.9
60.0 to 64.9	17 561.5	S	17 558.6	362.4	16 742.0	454.1	V	2.4
65.0 to 69.9	21 406.1	V	21 406.1	184.3	19 712.5	1 509.3	V	2.3
70.0 to 74.9	20 632.7	V	20 632.7	86.7	18 812.2	1 733.8	V	2.5
75.0 to 79.9	8 955.8	V	8 955.8	35.4	7 810.6	1 109.8	V	4.4
80.0 or more	1 073.3	V	1 073.3	22.9	147.1	658.2	245.1	11.5
MILES PER GALLON								
Less than 5	11 005.3	3 601.5	7 403.8	378.5	6 472.7	529.0	23.7	2.3
5 to 6.9	69 007.1	9 500.6	59 506.5	956.9	54 714.3	3 650.9	184.4	1.3
7 to 8.9	21 890.1	12 864.0	9 026.0	696.0	7 348.4	980.0	S	4.1
9 to 10.9	46 779.4	43 713.6	3 065.7	2 545.8	500.3	S	V	4.9
11 to 12.9	66 832.6	62 964.7	3 867.8	3 675.4	187.9	S	V	4.2
13 to 14.9	89 499.0	86 792.9	2 706.1	2 663.4	42.5	S	V	3.6
15 or more	629 026.3	620 860.9	8 165.4	8 123.4	36.0	S	V	1.1
15 to 20.9	494 122.2	486 444.6	7 677.6	7 635.7	36.0	S	V	1.3
21 to 24.9	87 864.7	87 443.6	421.1	421.1	V	V	V	3.6
25 or more	47 039.4	46 972.7	S	S	V	V	V	5.1
Not reported	178 926.9	160 592.4	18 334.4	2 866.3	15 005.7	427.0	S	2.2
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8

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
MODEL YEAR								
2003	2 605.9	586.1	2 019.8	S	1 850.7	159.6	V	12.0
2002	76 980.1	67 874.5	9 105.6	787.6	7 721.5	581.7	14.8	3.6
2001	126 047.8	112 233.6	13 814.1	2 233.0	10 779.6	714.1	S	3.0
2000	141 768.8	122 208.6	19 560.2	2 007.1	16 646.7	858.7	S	2.8
1999	119 130.6	104 516.0	14 614.6	2 652.6	11 566.0	394.0	S	3.0
1998	102 522.3	92 317.5	10 204.9	1 902.5	7 643.8	657.3	S	3.4
1997	88 884.8	81 028.9	7 855.9	2 513.7	4 927.0	395.1	S	3.6
1996	70 503.7	64 248.1	6 255.6	956.6	4 915.2	380.0	S	3.9
1995	71 863.6	65 182.0	6 681.5	1 221.5	5 007.9	420.2	S	3.6
1994	58 481.2	54 445.1	4 036.0	879.5	2 905.9	223.2	S	4.2
1993	46 451.2	43 278.9	3 172.3	820.3	2 183.8	168.2	V	4.4
Pre-1993	209 488.1	194 732.8	14 755.3	5 921.8	8 159.6	665.2	S	2.0
VEHICLE ACQUISITION								
New	561 446.0	494 952.2	66 493.8	10 085.3	52 514.1	3 692.7	201.6	1.2
Used	473 940.8	439 211.5	34 729.3	9 781.8	23 678.6	1 245.9	S	1.3
Not reported	79 341.2	68 488.4	10 852.8	2 038.5	8 115.0	678.7	S	3.5
LEASE CHARACTERISTICS								
Leased	100 995.2	72 310.2	28 684.9	973.6	26 533.0	1 091.9	S	3.0
Lessee	73 358.7	58 145.7	15 213.0	789.9	13 558.0	778.7	S	3.9
Vehicle only	16 667.3	3 802.5	12 864.8	246.6	11 764.6	771.2	S	2.7
Vehicle with driver	1 748.1	S	1 735.8	S	1 726.1	S	S	6.8
Not reported	82.6	4.9	77.6	S	67.2	S	V	27.1
Not applicable ⁴	54 860.7	54 326.0	534.7	534.7	V	V	V	5.1
Lessor	22 281.4	9 397.4	12 884.0	156.6	12 452.6	274.8	V	4.3
Vehicle only	13 804.4	3 579.0	10 225.4	95.5	9 907.6	222.2	V	2.7
Vehicle with driver	2 657.2	110.6	2 546.6	59.7	2 434.3	52.6	V	6.9
Not reported	149.3	37.2	112.1	S	110.7	V	V	29.8
Not applicable ⁴	5 670.6	5 670.6	V	V	V	V	V	15.1
Not reported	5 355.0	4 767.1	588.0	27.1	522.4	S	V	11.9
Not leased	591 796.8	535 249.7	56 547.1	11 982.1	41 126.6	3 321.9	116.6	1.1
Not reported	421 936.1	395 092.2	26 843.8	8 950.0	16 648.1	1 203.6	S	1.4
Length of leasing agreement:								
Leased	100 995.2	72 310.2	28 684.9	973.6	26 533.0	1 091.9	S	3.0
1 to 11 months	2 179.1	316.7	1 862.4	9.4	1 836.8	16.2	V	5.9
12 months or more	33 027.8	7 206.7	25 821.1	395.9	24 302.5	1 036.4	S	1.8
Not reported	554.7	96.9	457.8	24.7	393.8	S	V	12.4
Not applicable ⁴	65 233.5	64 689.9	543.6	543.6	V	V	V	4.6
Provisions of lease ⁵ :								
Financing only	20 602.6	4 913.9	15 688.7	268.0	14 613.6	760.3	S	2.4
Full maintenance	11 813.0	3 163.5	8 649.6	27.5	8 316.0	266.6	S	2.8
Payment of taxes	13 660.5	3 465.7	10 194.8	90.4	9 914.7	185.7	S	2.5
Obtaining licenses and permits	14 408.6	3 268.1	11 140.5	89.3	10 870.6	180.7	V	2.5
Recordkeeping	8 125.2	1 610.6	6 514.6	71.1	6 299.0	144.5	V	3.5
Fuel contract	4 143.2	774.9	3 368.3	S	3 333.4	9.1	S	5.2
PRIMARY OPERATOR CLASSIFICATION								
Private	239 426.5	208 821.2	30 605.2	11 380.4	18 500.9	717.5	S	2.1
Motor carrier	62 059.9	12 265.1	49 794.8	365.1	45 034.7	4 156.3	238.7	2.0
Owner operator	24 402.0	7 655.8	16 746.1	872.0	15 140.2	734.0	V	5.5
Rental	20 434.0	14 764.4	5 669.6	31.5	5 628.7	S	V	6.2
Personal transportation	766 644.3	757 384.2	9 260.1	9 256.8	3.3	V	V	.8
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
For-hire characteristics:								
Type of carrier:								
Contract	41 703.7	4 666.3	37 037.4	316.2	34 908.9	1 768.2	S	1.8
Common	28 065.2	4 671.4	23 393.8	262.2	20 029.8	2 913.6	188.3	1.9
Not reported	7 445.6	1 877.0	5 568.6	117.7	5 236.1	208.5	S	3.8
Not applicable ⁶	1 037 513.5	991 437.5	46 076.0	21 209.6	24 132.8	727.1	S	.7
Type of service:								
Truckload	55 846.8	4 652.7	51 194.2	482.4	49 473.9	1 228.3	S	1.2
Less-than-truckload	14 289.3	4 645.8	9 643.5	97.1	5 860.9	3 465.6	219.9	3.9
Not reported	7 078.0	1 916.1	5 161.9	116.6	4 839.7	198.4	S	3.9
Not applicable ⁶	1 037 513.9	991 437.5	46 076.3	21 209.6	24 133.2	727.1	S	.7
Source of hauls:								
Shippers or receivers	57 610.6	6 698.8	50 911.9	383.2	45 951.0	4 348.2	229.5	1.4
Brokers	6 501.9	568.8	5 933.1	S	5 730.8	165.2	V	4.1
Centralized markets or exchanges	1 042.7	371.7	671.0	17.6	637.0	S	V	10.9
Other	V	V	V	V	V	V	V	N
Not reported	12 059.2	3 575.3	8 483.9	258.2	7 856.0	360.4	S	2.9
Not applicable ⁶	1 037 513.5	991 437.5	46 076.0	21 209.6	24 132.8	727.1	S	.7
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	23 361.8	2 101.1	21 260.7	207.1	19 053.1	1 814.9	185.6	2.4
Not carrying hazardous materials	92 985.6	37 308.5	55 677.1	3 242.2	49 641.1	2 734.3	59.5	.9
Not reported	17 261.5	5 883.5	11 378.0	337.8	9 981.6	1 058.6	V	2.2
Not applicable ⁸	981 119.1	957 359.0	23 760.1	18 118.6	5 631.9	S	V	.7
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	1 514.3	1 368.9	145.4	145.4	V	V	V	9.2
Air bag(s) (safety device only)	687 147.0	661 816.6	25 330.3	10 949.8	13 780.7	563.0	S	1.0
Air compressor (except air brakes)	15 299.2	2 945.1	12 354.1	270.1	11 468.5	615.5	V	2.4
Air-conditioning	952 431.2	854 041.1	98 390.1	18 045.4	75 244.2	4 855.4	245.1	.7
Air springs	45 806.8	2 470.1	43 336.8	349.5	41 343.0	1 515.2	129.1	1.4

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		
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	732 169.5	661 308.2	70 861.3	14 263.7	53 006.7	3 420.9	170.0	.9
Collision warning system	2 553.2	841.6	1 711.5	46.8	1 475.4	189.4	V	6.5
Computerized drive train control unit	151 461.7	141 577.0	9 884.7	2 390.8	7 068.0	413.7	12.2	2.8
Crane	1 522.8	1 300.0	222.8	105.1	104.3	S	V	5.4
Electronic vehicle identification device	13 188.0	534.9	12 653.1	62.1	12 126.2	456.9	7.9	3.4
Engine retarder/brake	58 553.7	4 992.3	53 561.4	907.5	50 575.0	2 016.2	S	1.2
Front-wheel drive	405 669.9	396 513.5	8 556.4	8 556.4	V	V	V	1.4
Hoist	5 423.4	4 790.5	632.9	632.9	V	V	V	2.5
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	12 561.3	1 360.0	11 201.3	105.1	10 323.0	668.1	S	3.6
Internet access	1 262.8	68.4	1 194.4	S	1 132.4	S	V	8.3
Lift gate	5 364.5	5 242.6	121.9	121.9	V	V	V	3.3
Mounting bar for snowplow	11 441.3	10 320.8	1 120.4	1 120.4	V	V	V	9.2
Navigational system	1 628.2	151.2	1 477.0	S	1 371.0	S	S	8.4
Power take-off	26 861.0	12 243.3	14 617.7	1 250.5	12 953.9	411.3	S	1.5
Radial tires	734 855.7	652 483.1	82 372.6	14 743.3	62 860.6	4 523.6	245.1	.9
Reflective material in addition to those required by law	24 333.9	7 729.7	16 604.2	723.5	15 250.9	629.8	V	2.1
Road speed governor	66 666.2	12 260.3	54 405.9	900.4	49 056.7	4 213.2	235.6	1.3
Toolbox	129 942.8	106 745.5	23 197.3	8 232.1	14 176.9	777.5	10.7	3.0
Trip recorder or on-board computer with communication capabilities	66 964.4	44 236.0	22 728.4	754.0	21 655.0	312.4	S	3.6
Trip recorder or on-board computer without communication capabilities	188 654.5	176 827.1	11 827.5	3 412.4	6 812.9	1 545.5	56.7	2.3
Vehicle control aids for handicapped drivers	1 540.0	1 540.0	V	V	V	V	V	27.6
Wheelchair lift	1 984.6	1 981.4	S	S	V	V	V	21.7
Winch	9 266.1	8 006.3	1 259.8	S	625.6	102.4	V	8.6
Transmission type:								
Automatic	800 969.4	784 362.0	16 607.3	13 389.7	3 211.4	S	V	.9
Manual	256 280.1	172 380.6	83 899.4	7 798.4	70 741.3	5 114.7	245.1	1.6
Semiautomated manual	2 353.0	1 164.7	1 188.2	7.9	1 157.6	S	V	20.5
Automated manual	1 995.9	1 110.9	885.0	S	861.5	S	V	15.6
Not reported	53 129.7	43 633.8	9 495.9	697.3	8 335.9	462.7	V	4.1
Braking system:								
Hydraulic (standard)	18 808.6	16 562.1	2 246.6	1 025.8	1 149.2	S	V	2.9
Hydraulic with power assist	14 808.3	13 428.7	1 379.7	808.0	508.0	S	V	3.2
Air	96 707.6	15 108.5	81 599.1	1 685.5	74 586.4	5 082.0	245.1	.8
Other	V	V	V	V	V	V	V	N
Not reported	14 847.9	6 059.3	8 788.5	261.1	8 064.1	463.3	V	2.5
Not applicable ¹⁰	969 555.5	951 493.5	18 062.0	18 062.0	V	V	V	.7
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	936 146.5	921 856.3	14 290.3	14 192.7	97.1	S	V	.7
Diesel	167 407.2	69 676.5	97 730.6	7 681.3	84 187.3	5 616.9	245.1	1.5
Natural gas	979.0	972.5	S	V	S	V	V	24.9
Propane	575.9	572.9	3.0	S	S	V	V	11.6
Alcohol fuels	1 560.2	1 532.9	S	S	S	V	V	14.1
Electricity	S	S	V	V	V	V	V	S
Combination	5 080.3	5 069.8	S	2.1	S	V	V	13.5
Other	V	V	V	V	V	V	V	N
Not reported	1 217.5	1 209.8	7.7	S	7.4	V	V	30.7
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
Cylinders¹¹:								
4 cylinders	127 973.3	126 545.7	S	S	76.6	V	V	2.9
6 cylinders	596 047.2	501 189.2	94 858.0	6 090.6	82 976.4	5 545.9	245.1	1.0
8 cylinders	379 361.3	365 491.4	13 869.9	13 634.0	228.6	7.3	V	1.6
Other	11 346.1	9 425.7	1 920.4	830.1	1 026.2	64.1	V	8.8
Cubic inch displacement¹¹:								
Gasoline fuel	936 146.5	921 856.3	14 290.3	14 192.7	97.1	S	V	.7
Less than 200	233 334.4	231 957.6	S	S	V	V	V	2.1
200 to 299	388 620.3	385 366.0	3 254.2	3 254.2	V	V	V	1.5
300 to 349	149 604.2	147 297.1	2 307.1	2 307.0	S	V	V	2.7
350 to 399	133 757.0	129 419.0	4 338.0	4 331.0	S	S	V	2.9
400 or more	24 900.5	22 021.5	2 879.0	2 841.1	S	V	V	5.4
Not available	5 930.3	5 795.1	135.1	82.6	52.6	V	V	14.3
Diesel fuel	167 407.2	69 676.5	97 730.6	7 681.3	84 187.3	5 616.9	245.1	1.5
Less than 400	21 974.7	19 738.7	2 236.0	2 082.0	150.1	S	V	5.2
400 to 599	46 852.3	40 763.0	6 089.3	4 252.8	1 818.1	18.4	V	4.7
600 to 799	52 169.5	5 724.5	46 445.0	534.5	42 859.9	2 971.6	S	1.3
800 or more	32 836.0	2 098.6	30 737.4	579.9	28 561.9	1 540.1	S	1.7
Not available	13 574.6	1 351.7	12 222.9	232.1	10 797.4	1 082.8	S	2.7
Other fuel	8 195.4	8 148.2	S	S	15.9	V	V	9.3
Less than 400	7 586.4	7 560.5	S	S	S	V	V	10.0
400 or more	580.1	561.0	19.1	S	14.1	V	V	15.5
Not available	28.9	26.6	S	S	S	V	V	26.3
Not reported	1 217.5	1 209.8	7.7	S	7.4	V	V	30.7
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8
REFUELING LOCATION								
Gas station	929 925.6	905 385.7	24 539.8	17 017.8	7 325.7	196.4	V	.7
Truck stop	62 738.0	13 280.0	49 457.9	1 978.4	46 427.3	1 003.0	S	2.6
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	60 383.5	30 935.9	29 447.6	1 596.9	23 978.6	3 676.1	195.9	2.5
Other company's/contractor's facility not open to the public	8 667.2	5 854.5	2 812.8	137.8	2 279.7	395.3	V	9.6
Other	421.6	413.0	S	S	S	V	V	32.0
Not reported	50 830.8	45 021.6	5 809.3	1 171.4	4 291.2	346.6	V	4.0
Not applicable ²	1 761.4	1 761.4	V	V	V	V	V	13.8

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
MAINTENANCE⁵								
General maintenance performed by:								
None performed	15 079.6	14 785.0	294.6	S	212.7	S	V	9.7
Company-owned maintenance facility	154 498.0	90 691.2	63 806.7	4 021.7	55 369.2	4 210.6	205.2	2.1
General repair business or private mechanic	496 550.5	458 729.4	37 821.1	9 751.0	26 637.4	1 426.3	6.3	1.3
Dealership service department	298 912.2	278 375.8	20 538.4	4 366.1	15 624.7	539.5	6.2	1.8
Leasing company	4 464.6	1 938.8	2 525.8	S	2 291.3	143.3	S	7.7
Individual not employed/paid by any maintenance type facility								
Other	346 395.8	329 966.9	16 428.9	7 539.2	8 457.3	432.4	V	1.6
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	54 245.1	47 903.4	6 341.7	1 142.4	4 920.1	279.1	V	4.0
	1 761.4	1 761.4	V	V	V	V	V	13.8
Extensive repairs performed by:								
None performed	858 631.1	781 496.1	77 135.0	14 651.6	58 487.2	3 799.2	197.0	.8
Company-owned maintenance facility	22 141.2	14 010.6	8 130.6	739.7	6 549.6	829.2	12.1	6.2
General repair business or private mechanic	86 267.8	75 644.1	10 623.6	2 931.5	7 194.9	493.1	S	3.9
Dealership service department	61 277.4	51 771.9	9 505.5	1 870.8	7 136.9	455.3	S	4.2
Leasing company	987.0	S	272.4	S	261.1	S	V	40.1
Component distributorship (engine, transmission, body, etc.)								
Individual not employed/paid by any repair type facility	6 180.9	4 397.0	1 783.8	S	1 269.7	74.2	S	17.3
Other	38 970.3	36 143.3	2 827.0	1 292.2	1 491.3	42.9	S	5.3
Not reported	V	V	V	V	V	V	V	N
Not applicable ²	2 679.6	2 638.0	41.6	S	34.0	V	V	26.3
	1 761.4	1 761.4	V	V	V	V	V	13.8
AXLE ARRANGEMENT								
Driving axles:								
1	617 333.0	594 723.6	22 609.4	11 716.1	6 918.6	3 751.1	223.7	1.1
2	496 730.2	407 439.3	89 290.9	10 175.6	77 239.7	1 854.1	21.5	1.1
3 or more	376.0	331.1	44.8	S	30.0	S	V	7.5
Not reported	288.8	158.0	130.8	2.3	119.4	S	V	14.1
Total liftable axles and locations ¹² :								
None	139 553.4	47 190.1	92 363.3	3 461.2	83 130.5	5 527.0	244.7	.7
1	4 451.5	3 058.1	1 393.3	267.8	1 043.7	81.4	S	2.9
Forward of the drive axle	2 976.9	1 950.9	1 026.0	191.2	758.6	75.7	S	3.6
Below the chassis	588.4	453.4	135.0	23.6	108.2	S	V	8.3
Beyond the chassis	234.1	209.3	24.8	9.4	S	V	V	11.0
Not reported	652.2	444.6	207.6	43.6	161.5	S	V	7.7
2 or more	651.5	583.7	67.8	67.8	V	V	V	6.0
Forward of the drive axle	527.8	467.5	60.3	60.3	V	V	V	6.2
Below the chassis	235.6	189.5	46.1	46.1	V	V	V	10.4
Beyond the chassis	129.6	127.5	S	S	V	V	V	9.9
Not reported	32.7	28.3	S	S	V	V	V	27.8
Not reported	516.2	326.7	189.5	46.9	133.5	S	V	9.3
Not applicable ¹⁰	969 555.5	951 493.5	18 062.0	18 062.0	V	V	V	.7
Total liftable axles and number of braking axles:								
None	139 553.4	47 190.1	92 363.3	3 461.2	83 130.5	5 527.0	244.7	.7
1	4 451.5	3 058.1	1 393.3	267.8	1 043.7	81.4	S	2.9
0 braking	576.7	326.9	249.8	25.1	217.1	S	V	8.0
1 braking	3 687.4	2 586.9	1 100.5	232.4	793.9	S	V	3.2
Not reported	187.4	144.3	43.0	S	32.7	V	V	15.3
2 or more	651.5	583.7	67.8	67.8	V	V	V	6.0
0 braking	18.9	16.6	S	S	V	V	V	28.2
1 braking	26.0	22.9	S	S	V	V	V	30.4
2 or more braking	583.4	524.7	58.7	58.7	V	V	V	6.5
Not reported	23.1	19.5	S	S	V	V	V	30.7
Not reported	516.2	326.7	189.5	46.9	133.5	S	V	9.3
Not applicable ¹⁰	969 555.5	951 493.5	18 062.0	18 062.0	V	V	V	.7
CAB TYPE								
Conventional cab								
With sleeper	127 623.2	43 394.0	84 229.3	3 648.2	75 262.6	5 108.8	209.7	.8
Without sleeper	49 177.6	V	49 177.6	V	48 067.8	1 022.3	S	1.4
Not reported	72 741.0	43 394.0	29 347.0	3 648.2	21 882.3	3 694.3	122.2	1.2
	5 704.7	V	5 704.7	V	5 312.5	392.2	V	4.4
Cab over engine								
With sleeper	17 088.5	7 340.9	9 747.6	192.6	9 011.0	508.6	S	2.3
Without sleeper	7 042.5	V	7 042.5	V	6 675.4	331.7	S	4.7
Not reported	8 994.1	7 340.9	1 653.2	192.6	1 310.8	149.8	V	2.1
	1 051.9	V	1 051.9	V	1 024.8	S	V	12.4
Cab forward of engine								
Cab beside engine	284.3	282.5	S	S	V	V	V	13.8
Not reported	101.0	99.3	S	S	S	V	V	17.0
Not applicable ¹⁰	75.4	41.9	33.5	S	32.6	V	V	25.9
	969 555.5	951 493.5	18 062.0	18 062.0	V	V	V	.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.
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	1 114 728.0	145 172.5	.6	.7		
TRAILER CONFIGURATION						
No trailer pulled	988 184.3	52 338.2	.7	1.4		
Single trailer pulled	119 135.2	87 037.3	1.5	.8		
Double trailers pulled	5 413.9	5 413.9	4.8	4.8		
Triple trailers pulled	233.2	233.2	30.6	30.6		
Not applicable ¹	1 761.4	149.9	13.8	10.9		
RANGE OF OPERATION						
Off-the-road	15 051.8	2 650.4	5.2	5.1		
50 miles or less	616 029.4	38 231.2	.9	1.3		
51 to 100 miles	158 033.8	22 238.1	2.1	1.5		
101 to 200 miles	65 965.1	14 286.3	3.0	1.9		
201 to 500 miles	49 306.0	17 539.3	2.8	2.0		
501 miles or more	49 616.5	25 016.1	2.6	2.1		
Not reported	158 963.9	25 061.1	2.4	2.0		
Not applicable ¹	1 761.4	149.9	13.8	10.9		
JURISDICTION						
Operated in Canada	1 088.9	218.9	10.2	9.9		
Operated in Mexico	1 350.8	48.0	37.9	27.7		
Operated within the home base state	899 127.5	85 389.9	.8	1.0		
Operated in states other than the home base state	91 585.8	40 321.5	1.7	1.4		
Not reported	119 813.7	19 044.3	2.7	2.2		
Not applicable ¹	1 761.4	149.9	13.8	10.9		
OPERATOR CLASSIFICATION						
Private	239 023.2	56 135.0	2.0	.9		
Motor carrier	61 961.1	58 177.9	2.0	1.4		
Owner operator	24 266.8	19 066.5	5.1	2.1		
Rental	20 622.5	11 131.9	6.1	4.7		
Personal transportation	767 093.1	511.3	.8	6.7		
Not applicable ¹	1 761.4	149.9	13.8	10.9		
For-hire characteristics:						
Type of carrier:						
Contract	39 614.0	39 614.0	1.6	1.6		
Common	30 155.9	30 155.9	1.8	1.8		
Not reported	7 444.6	7 444.6	3.8	3.8		
Not applicable ^{2 3}	1 037 513.5	67 957.9	.7	1.1		
Type of service:						
Truckload	15 274.2	15 274.2	3.5	3.5		
Less-than truckload	54 885.0	54 885.0	1.2	1.2		
Not reported	7 055.3	7 055.3	3.9	3.9		
Not applicable ^{2 3}	1 037 513.5	67 957.9	.7	1.1		
PRODUCTS CARRIED⁴						
Animals and fish, live	2 446.1	734.7	13.1	7.1		
Animal feed and products of animal origin	3 257.0	2 088.0	6.6	5.9		
Grains, cereal	1 789.5	1 368.0	7.2	5.3		
All other agricultural products	4 094.5	2 661.1	6.5	4.8		
Basic chemicals	1 435.1	876.1	11.6	7.5		
Fertilizers and fertilizer materials	2 824.1	1 666.2	18.6	6.8		
Pharmaceutical products	1 103.2	305.1	22.5	14.3		
All other chemical products and preparations	5 615.5	1 350.8	18.3	6.9		
Alcoholic beverages	1 378.5	1 123.6	13.7	5.3		
Bakery and milled grain products	4 459.8	3 552.6	9.5	4.1		
Meat, seafood, and their preparations	3 815.6	3 056.2	6.5	4.4		
Tobacco products	667.1	445.3	18.4	11.8		
All other prepared foodstuffs	8 820.2	7 427.9	4.4	2.8		
Logs and other wood in the rough	1 649.2	1 149.2	9.9	4.9		
Paper or paperboard articles	3 907.8	3 139.6	6.6	4.6		
Printed products	3 680.6	765.0	15.6	8.5		
Pulp, newsprint, paper, and paperboard	2 063.2	1 935.8	6.6	6.2		
Wood products	8 267.4	3 560.9	8.5	3.2		
Articles of base metal	15 714.5	3 293.9	8.4	3.7		
Base metal in primary or semifinished forms	6 383.4	2 881.4	10.0	4.6		
Nonmetallic mineral products	6 011.4	3 048.5	9.9	3.5		
Tools, nonpowered	55 813.4	7 759.2	4.4	2.4		
Tools, powered	41 524.0	6 477.5	5.0	2.7		
Electronic and other electrical equipment	12 392.0	3 023.5	8.9	4.8		
Furniture, mattresses, lamps, etc.	3 216.7	2 043.1	9.2	5.0		
Machinery	8 084.8	3 225.1	9.2	4.5		
Miscellaneous manufactured products	9 261.8	4 007.5	11.1	4.6		
Precision instruments and apparatus	7 293.5	733.9	13.2	9.3		
Textile, leather, and related articles	2 849.7	1 538.2	15.6	6.1		
Vehicles, including parts	7 020.1	3 843.8	8.9	4.3		
All other transportation equipment	986.3	636.3	13.9	12.6		
Coal	301.5	300.8	11.5	11.5		
Crude petroleum	131.5	131.5	20.5	20.5		
Gravel or crushed stone	3 300.1	2 790.0	7.1	3.0		
Metallic ores and concentrates	45.4	45.4	20.6	20.6		
Monumental or building stone	702.0	462.2	14.3	8.5		
Natural sands	1 158.2	1 089.1	5.2	5.0		
All other nonmetallic minerals	537.9	498.6	9.0	7.0		
Fuel oils	3 480.6	1 232.0	20.1	5.5		
Gasoline and aviation turbine fuel	1 466.2	848.5	16.5	6.9		

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	A	B
PRODUCTS CARRIED⁴—Con.						
Plastics and rubber	3 919.9	2 392.7			10.2	5.4
All other coal and refined petroleum products	1 702.2	1 172.2			12.5	6.5
Hazardous waste (EPA manifest)	190.3	190.0			18.4	18.4
All other waste and scrap (non-EPA manifest)	3 766.7	2 647.4			6.2	3.3
Recyclable products	1 221.5	922.0			9.0	6.5
Mail and courier parcels	8 732.0	4 759.9			11.7	9.3
Empty shipping containers	1 001.1	794.0			9.0	7.3
Passengers	5 532.9	273.5			12.7	13.3
Mixed freight	14 658.8	14 658.8			3.0	3.0
Products, equipment, or materials not elsewhere classified	264.9	264.6			12.7	12.7
Products not specified	17 732.4	6 358.1			7.0	3.2
Not applicable ¹	1 761.4	149.9			13.8	10.9
HAZARDOUS MATERIALS CARRIED⁴						
Division 1.1, Explosives	59.4	59.4			46.5	46.5
Division 1.2, Explosives	S	S			S	S
Division 1.3, Explosives	23.9	23.9			33.4	33.4
Division 1.4, Explosives	95.1	95.1			12.5	12.5
Division 1.5, Explosives	56.2	56.2			15.1	15.1
Division 1.6, Explosives	40.6	40.6			8.3	8.3
Division 2.1, Flammable gas	1 089.6	1 089.6			6.0	6.0
Division 2.2, Nonflammable gas	485.9	485.9			8.7	8.7
Division 2.3, Poison gas	50.2	50.2			25.6	25.6
Class 3, Flammable	1 681.9	1 681.9			4.6	4.6
Combustible liquid	813.1	813.1			7.2	7.2
Oxygen 2, Oxygen	205.2	205.2			12.1	12.1
Division 4.1, Flammable solid	218.0	218.0			7.6	7.6
Division 4.2, Spontaneously combustible	43.9	43.9			24.8	24.8
Division 4.3, Dangerous when wet	46.9	46.9			11.4	11.4
Division 5.1, Oxidizer	325.6	325.6			6.9	6.9
Division 5.2, Organic peroxide	95.9	95.9			6.1	6.1
Division 6.1, Poison inhalation hazard	67.4	67.4			14.0	14.0
Division 6.1, Poison	151.9	151.9			10.4	10.4
Class 7, Radioactive	28.1	28.1			21.6	21.6
Class 8, Corrosive	1 051.6	1 051.6			5.0	5.0
Class 9	313.1	313.1			10.0	10.0
Hazardous materials not specified	305.4	305.4			9.7	9.7
Not applicable ¹	1 761.4	149.9			13.8	10.9

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, or 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

