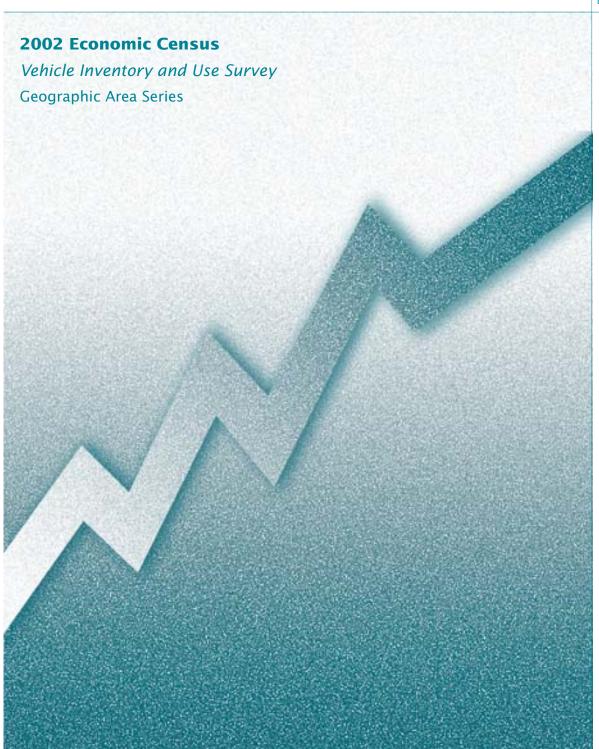
EC02TV-NM





Helping You Make Informed Decisions

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



ACKNOWLEDGMENTS

Many persons participated in the various activities of the 2002 Economic Census, Vehicle Inventory and Use Survey.

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky**, Assistant Division Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were directed by **John P. Miller**, Chief, Transportation Characteristics Branch, assisted by **Joy P. Pierson**, **Donald F. Cheza**, **William J. Marshall**, **Erika McDonald**, **Vernetta N. Southerland**, **Kathleen R. Walsh** and **William C. Jones**.

Sample design and statistical methodology were provided under the direction of **Ruth E. Detlefsen**, Assistant Division Chief for Research and Methodology. Sample design and estimation methods were developed under the supervision of **Jock Black**, Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., M. Cristina Cruz**, and **Brett Moore**. The imputation procedures were developed under the supervision of **Carol S. King**, Chief, Statistical Methods Branch, assisted by **James N. Burton** and **Tameka Johnson**.

Systems and procedures for mailout, quality control, and check-in operations were developed in the Economic Planning and Coordination Division, **Bernard J. Fitzpatrick**, Assistant Division Chief for Collection Activities. Mailout and check-in procedures were developed under the supervision of **Sheila Proudfoot**, Chief, Mailout and Data Capture Branch, assisted by **Christopher Berbert**, **Betty McKay**, and **Bernadette Gray**.

Systems and procedures for data entry and quality control were developed and implemented in the Decennial Systems and Contracts Management Office under the direction of **Dennis Stoudt**, Assistant Division Chief for Processing Systems. The Data Conversion Systems Branch, **Warren McKay**, Chief, was responsible for the development and implementation of the automated tracking and image management system. The Processing Coordination and Requirements Branch, **Derrell Matthews**, Chief, coordinated the technical requirements for the image system.

The processing system and computer programs were developed and implemented in the Economic Statistical Methods and Programming Division, under the direction of **Barry F. Sessamen**, Assistant Division Chief for Post Collection. Computer programming and implementation were provided by **Steven G. McCraith**, Chief, Census Related Surveys Branch, assisted by **Barbara Love Lambert**, **Evelyn Cabrera**, **Preet Toor**, and **Eric M. Weiss**.

The Systems Support Division provided the table composition system. **Robert Joseph Brown**, Table Image Processing System (TIPS) Senior Software Engineer, was responsible for the design and development of the TIPS, under the supervision of **Robert J. Bateman**, Assistant Division Chief, Information Systems.

Margaret A. Smith of the Administrative and Customer Services Division, **Walter C. Odom,** Chief, provided publications and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **James R. Clark,** Assistant Chief, and **Susan L. Rappa,** Chief, Publications Services Branch.

The staff of the National Processing Center, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, telephone operations, and data entry assisted by **Carlene Bottorff, Karen S. Blessett, Sandra Hurst,** and **Debbie Woods.**

Special acknowledgment is also due to the many respondents whose cooperation contributed to the publication of these data.

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).

EC02TV-NM

2002 Economic Census

Vehicle Inventory and Use Survey
Geographic Area Series





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

CONTENTS

Vehic	le Inventory and Use Survey	1
Tables	s	
	Trucks—Comparative Summary: 2002 and Earlier Years Trucks—Comparative Summary for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and	11
2a.	1997 Trucks, Truck Miles, and Average Annual Miles for All Trucks:	11
	2002 and 1997	12
2b.	Trucks, Truck Miles, and Average Annual Miles for All Trucks— Measures of Sampling Variability: 2002 and 1997	18
3a.	Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997	24
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	30
4.	Trucks by Vehicle Size: 2002	36
5.	Trucks by Truck Type: 2002	41
6. 7.	Truck Miles by Vehicle Size: 2002 Truck Miles by Truck Type: 2002	46 51
8.	Truck Miles Distribution by Operational Characteristics: 2002	56
Apper	ndix	
Appro	ximating Unpublished Relative Standard Errors	A-1

Vehicle Inventory and Use Survey

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

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

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

PURPOSE AND USE OF DATA

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

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

COMPARABILITY WITH PREVIOUS SURVEYS

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

Due 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 owneroperator" 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 partialyear 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 $\geq 26,000$ lb; and 5) truck-tractors. Therefore, the sampling frame was partitioned into 255 geographic-by-truck strata. Within each stratum, a simple random sample of truck registrations was selected without replacement. This produced a total sample of approximately 136,000 truck registrations.

The sample size for New Mexico is 2,605 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 New Mexico, approximately 73.1 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 disquise 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:

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

This page is intentionally blank.

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				
BUSINESS ¹					1 to 2 years old	7.3	11.2	13.6	14.1
Agriculture, forestry, fishing, or hunting	2.1	3.8	5.1	7.4	3 to 4 years old	16.0	13.6	13.4	14.1
Mining	1.3	1.0	1.9	1.5	Over 4 years old	76.7	75.2	73.0	71.4
Construction	4.4 .1	7.3 1.4	4.7 1.1	7.9 1.1	VEHICLE ACQUISITION				
Manufacturing	4.0	4.0	4.0	4.7	VEHICLE ACQUISITION				
	-	-			New	42.9	42.9	42.1	43.8
For-hire transportation or warehousingUtilities and all services	.7 4.2	1.6 4.4	.4 5.2	.4 4.9	Used Not reported ⁴	44.5 12.6	53.8 3.3	55.9 2.0	54.5 1.7
Personal transportation	78.8	71.8	75.2	71.1	Not reported	12.0	3.3	2.0	1.7
Other, not reported, and not applicable	4.4	4.6	2.5	1.0	TRUCK TYPE				
BODY TYPE					Single-unit trucks ⁵	96.5	96.0	96.6	97.0
Pickup, minivan, other light vans, and sport utility	95.3	93.9	95.3	93.9	2 axles	96.0	95.4	96.2	96.6
Flatbed, stake, platform, and low boy	1.2	1.9	1.5	2.5	3 axles or more	.5 V	.6 N	.4	.4
Van ²	.8	.8	.5	.6	Trailer/axles not specified	V	N	N	N
Service, utility	.3 .3	.2	.3 .5	.3 .2					
	_	.,	-		Combinations	3.5	4.0	3.4	3.0
Dump	.6	.7	.5	.9	3 axles	.3 2.2	.3 2.1	.4 2.5	.9 1.6
Tank for liquids, gases, or dry bulk Other and not applicable	.4 1.1	.5 1.4	.3 1.1	.4 1.3	5 axles or more	.7	1.5	.5	.5
	1.1	1.4	1.1	1.0	Trailer/axles not specified	.3	V	V	V
VEHICLE SIZE					RANGE OF OPERATION				
Light	93.0 4.3	94.9	95.1	95.9 1.7					
MediumLight-heavy	1.0	1.7	3.1 .8	1.7	50 miles or less	59.2 12.1	63.7 20.5	64.3 18.6	66.3 17.3
Heavy-heavy	1.8	2.7	1.1	1.2	201 miles or more	4.8	7.0	7.2	7.3
ANNUAL MILES					Off-the-road, not reported, and not applicable	23.9	8.9	9.9	9.1
Less than 5,000 ³	21.9	23.6	26.1	30.2	FUEL TYPE				
5,000 to 9,999	21.4	19.8	22.4	23.9					
10,000 to 19,999	41.6	36.5	33.2	30.7	Gasoline	90.2	92.2	93.9	95.6
20,000 to 29,999	8.1 7.1	12.1 7.9	11.9 6.3	9.7 5.6	All other fuelsOther, not reported, and not applicable	7.5 2.3	7.2	5.8	4.4 V
00,000 01 111016	7.1	7.5	0.5	3.0	Other, flot reported, and flot applicable	2.5	.0	.2	v

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 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 Agriculture, forestry, fishing, or hunting	8.1 8.7 20.5 2.2	10.9 7.1 24.3 3.6	1 to 2 years old	8.0 13.2 78.8	10.4 10.1 79.5
Wholesale and retail trade For-hire transportation or warehousing	12.4 9.3 15.1 3.3 20.5	14.4 13.7 8.4 4.1 13.6	New. Used Not reported ⁴ . TRUCK TYPE	37.9 52.9 9.2	38.6 51.9 9.5
BODY TYPE Flatbed, stake, platform, and low boy	25.6 17.1	31.6 13.2	Single-unit trucks ⁵ 2 axles 3 axles or more Trailer/axles not specified	76.5 66.1 10.4 V	64.4 54.1 10.3 N
Service, utility Van, step, walk-in, or multistop Dump Tank for liquids, gases, or dry bulk Other and not applicable VEHICLE SIZE	6.0 6.3 13.2 9.4 22.4	2.5 11.4 10.7 7.7 22.9	Combinations 3 axles 4 axles 5 axles or more Trailer/axles not specified	23.5 2.6 4.6 13.9 2.3	35.6 2.1 8.6 24.9 V
Light	20.7 21.2 20.7 37.4	22.8 21.0 12.0 44.2	RANGE OF OPERATION 50 miles or less. 51 to 200 miles. 201 miles or more Off-the-road, not reported, and not applicable.	44.3 18.4 5.2 32.1	43.6 24.0 16.2 16.2
Less than 5,000 ³ 5,000 to 9,999 10,000 to 19,999 20,000 to 29,999 30,000 or more	32.6 11.7 24.9 14.9 15.9	30.5 11.3 20.1 12.7 25.4	FUEL TYPE GasolineAll other fuels Other, not reported, and not applicable	31.4 61.1 7.6	35.6 58.1 6.3

N Not available. miles, or 0.05 percent. 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

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.

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.

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

Estimates are based on data from the 2002 and 19	997 venicie inver	itory and Use Su	rveys. Because	or rounding, estin	nates may not be	additivej			
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
	А	В	С	D	Е	F	G	Н	1
Total	741.9	715.9	3.6	9 202.7	9 538.5	-3.5	12.4	13.3	-6.9
BUSINESS ¹									
For-hire transportation or warehousing	4.9	11.7	-58.4	201.8	335.1	-39.8	41.4	28.6	44.7
	S	9.0	S	S	365.9	S	S	40.8	S
	15.7	27.3	-42.5	175.1	325.3	-46.2	11.2	11.9	-6.3
	9.5	7.3	29.5	198.2	174.6	13.5	21.0	23.9	-12.3
	7.1	4.1	71.1	122.8	S	S	17.3	S	S
Construction Manufacturing Wholesale trade Retail trade Information services	32.9	52.6	-37.4	735.2	800.8	-8.2	22.3	15.2	46.7
	.8	9.9	-92.2	11.1	101.7	-89.1	14.4	10.3	39.9
	6.6	8.8	-25.7	111.9	269.1	-58.4	17.0	30.4	-44.0
	23.5	19.7	18.8	332.4	412.6	-19.4	14.2	20.9	-32.2
	S	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable ²	1.1 S S 17.0 584.3 11.6 17.1	N N N 514.1 V 23.9	N N N 13.7 N -28.3	20.4 S S 338.1 6 660.6 141.2	N N N 6 165.1 V S	N N N N 8.0 N S	17.9 S S 19.8 11.4 12.1 S	N N N 12.0 V S	N N N N -4.9 N S
BODY TYPE									
Single-unit trucks Pickup. Minivan Other light vans Sport utility Armored	735.3	704.8	4.3	8 983.2	8 978.8	V	12.2	12.7	-4.1
	418.5	432.0	-3.1	5 116.6	5 344.4	-4.3	12.2	12.4	-1.2
	63.7	64.5	-1.3	858.2	845.6	1.5	13.5	13.1	2.8
	24.1	49.4	-51.2	197.3	470.4	-58.1	8.2	9.5	-14.0
	200.7	126.2	59.0	2 431.0	1 755.3	38.5	12.1	13.9	-12.9
	S	N	N	S	N	N	S	N	N
Beverage Concrete mixer Concrete pumper Crane Curtainside	.2	S	S	\$	S	S	S	S	\$
	.9	.8	6.6	11.1	9.6	15.5	12.5	11.5	8.3
	.1	N	N	\$	N	N	S	N	N
	.3	1.2	-77.3	\$	11.0	S	S	9.3	S
	V	N	N	V	N	N	V	N	N
Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe Service, utility	3.0	3.5	-13.9	28.8	40.0	-28.0	9.5	11.4	-16.3
	7.6	9.4	-19.1	82.0	83.3	-1.6	10.8	8.9	21.6
	S	.6	S	S	S	S	S	S	S
	.4	.1	312.6	S	S	S	S	S	S
	2.1	1.1	93.5	24.7	13.4	84.6	11.7	12.2	-4.6
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	3.0	2.5	23.7	49.3	24.9	97.6	16.2	10.2	59.7
	V	N	N	V	N	N	V	N	N
	S	S	S	S	S	S	S	S	S
	2.2	2.1	5.9	30.8	45.5	-32.2	13.7	21.4	-35.9
	.9	.5	75.6	13.7	4.6	199.9	14.4	8.4	70.8
Trash, garbage, or recycling	.6	.2	159.3	13.1	5.8	127.2	22.5	25.6	-12.4
	.2	N	N	3.2	N	N	19.3	N	N
	3.2	1.4	122.4	54.7	34.3	59.5	17.3	24.1	-28.3
	S	V	S	S	V	S	S	V	S
	.3	.5	-32.8	8.5	11.4	–25.3	24.5	22.1	11.2
Van, open top Van, step, walk-in, or multistop Van, other Other	.3	.5	–27.2	\$	2.2	S	\$	4.7	S
	2.2	5.0	–56.1	32.6	212.9	-84.7	14.8	42.6	-65.2
	.5	N	N	4.6	N	N	9.7	N	N
	S	N	N	\$	N	N	\$	N	N
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	6.6	11.1	-40.7	219.5	559.6	-60.8	33.4	50.4	-33.8
	S	.1	S	S	7.1	S	S	49.2	S
	.3	.1	142.3	8.1	4.7	73.3	23.2	32.4	-28.5
	V	N	N	V	N	N	V	N	N
	1.6	1.2	37.0	43.8	38.6	13.5	27.2	32.9	-17.2
	1.1	2.4	-53.9	41.3	99.8	-58.6	37.1	41.3	-10.0
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	.2	.3	-46.1	\$	16.9	S	\$	55.0	S
	.3	.9	-70.3	5.2	30.3	-82.7	19.1	32.9	-41.9
	S	N	N	\$	N	N	\$	N	N
	.3	.4	-37.2	9.0	11.7	-22.5	33.2	26.9	23.3
	.1	.2	-66.5	\$	5.1	S	\$	32.0	S
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, drop-trame Van, insulated nonrefrigerated	.1 1.0 1.0 S V	.2 1.0 2.2 1.1 S	-67.8 -2.1 -55.8 S	\$ 53.8 38.2 \$ V	18.6 57.6 175.0 61.4 S	S -6.5 -78.2 S S	\$ 56.0 39.0 \$ V	94.0 58.6 78.8 58.4 S	S -4.5 -50.6 S S
Van, insulated refrigerated	.2	.4	-46.2	10.4	23.0	–55.0	46.5	55.5	-16.3
Other	S	N	N	S	N	N	S	N	N
Not applicable ³	.4	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	145.2	145.4	2	278.1	301.8	-7.9	1.9	2.1	-7.7
5,000 to 9,999	158.5	142.0	11.7	1 131.4	1 001.8	12.9	7.1	7.1	1.2
10,000 to 19,999	308.8	261.5	18.1	4 037.3	3 466.8	16.5	13.1	13.3	-1.4
20,000 to 29,999	59.9	86.5	-30.8	1 324.7	1 878.8	-29.5	22.1	21.7	1.9
30,000 to 49,999	29.1	34.2	-15.0	1 065.0	1 180.7	-9.8	36.6	34.5	6.2
50,000 to 74,999	22.3	14.2	57.1	1 253.2	788.0	59.0	56.3	55.6	1.2
75,000 or more	1.0	8.5	-88.2	111.2	920.6	-87.9	110.7	108.3	2.2
Not applicable ²	17.1	23.5	-27.2	S	V	S	S	V	S

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

Estimates are based on data from the 2002 and 19	997 Vehicle Inven	tory and Use Sur	eys. Because o	of rounding, estim	ates 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
	А	В	С	D	E	F	G	Н	1
PRIMARY RANGE OF OPERATION									
Off-the-road	19.3 439.3 66.1 23.9 22.1	40.0 455.8 98.7 47.8 33.2	-51.7 -3.6 -33.1 -50.1 -33.5	270.2 5 532.7 1 026.7 362.2 334.1	331.1 5 359.2 1 703.7 888.6 780.2	-18.4 3.2 -39.7 -59.2 -57.2	14.0 12.6 15.5 15.2 15.1	8.3 11.8 17.3 18.6 23.5	69.0 7.1 -9.9 -18.4 -35.6
501 miles or more Not reported Not applicable ²	13.6 140.6 17.1	16.9 23.5 N	–19.7 497.9 N	248.5 1 426.4 S	475.8 V N	–47.8 N N	18.3 10.1 S	28.2 V N	–34.9 N N
PRIMARY JURISDICTION									
Operated in Canada Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported	\$ \$ 585.7 23.5 110.8	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N	S S 7 494.7 326.5 1 196.7	N N N N	N N N N N N N N N N N N N N N N N N N	S S 12.8 13.9 10.8	N N N N	N N N N
Not applicable ²	17.1	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12 7 to 11 2 to 6 1 or less Vehicle not used	535.3 93.1 69.6 26.7 17.1	N N N N	N N N N N	7 517.2 1 168.0 469.8 S S	N N N N	N N N N	14.0 12.5 6.7 S S	N N N N	N N N N
VEHICLE SIZE									
Light	689.8 31.7 7.3 13.1	679.2 12.1 5.3 19.4	1.6 162.4 37.5 –32.3	8 090.9 698.8 90.1 322.9	8 468.0 294.5 74.2 701.6	-4.5 137.2 21.3 -54.0	11.7 22.0 12.4 24.6	12.5 24.4 14.1 36.2	-5.9 -9.6 -11.7 -32.0
AVERAGE WEIGHT (POUNDS)									
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	532.7 122.7 34.5 21.9 6.5	606.9 N N 8.2 1.6	-12.2 N N 167.6 302.8	6 090.8 1 455.4 544.7 454.3 S	7 384.0 N N 252.2 15.2	-17.5 N N 80.1 S	11.4 11.9 15.8 20.7 S	12.2 N N 30.8 9.5	-6.0 N N -32.7 S
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	3.3 7.3 2.1 .9 2.1	2.3 5.3 2.6 1.7 3.3	45.7 37.5 -21.6 -45.1 -36.7	26.4 90.1 27.7 16.3 33.9	27.1 74.2 45.1 31.0 84.3	-2.6 21.3 -38.5 -47.5 -59.8	7.9 12.4 13.4 17.6 16.3	11.8 14.1 17.1 18.4 25.7	-33.1 -11.7 -21.5 -4.2 -36.4
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	2.3 5.3 .3 S	3.3 7.8 .6 S V	-29.0 -31.9 -54.4 S	34.7 197.7 10.0 S S	109.2 367.8 62.8 S V	-68.2 -46.2 -84.0 S	14.9 37.2 35.7 S S	33.3 47.1 101.9 S V	-55.3 -21.0 -65.0 S
TOTAL LENGTH (FEET)									
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	625.8 61.0 36.7 3.8 S	671.7 13.7 8.2 5.8 S	-6.8 344.4 348.6 -34.7 S	7 393.3 890.2 521.4 50.7 S	8 523.1 180.2 114.0 86.9 24.7	-13.3 393.9 357.3 -41.6 S	11.8 14.6 14.2 13.4 S	12.7 13.1 13.9 15.0 S	-6.9 11.1 1.9 -10.6 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	S S 1.4 1.6 .9	.8 S 2.6 3.1 2.0	S S -48.5 -46.4 -53.8	S 24.4 27.5 71.7 45.4	14.9 47.7 122.6 177.7 131.4	S -48.7 -77.6 -59.6 -65.4	S S 20.3 43.7 48.4	18.9 S 46.7 58.1 64.7	S S -56.5 -24.7 -25.3
70.0 to 74.9	.3 S .1	1.0 N N	-71.8 N N	12.8 S S	69.6 N N	-81.6 N N	46.7 S S	71.7 N N	-34.8 N N
MILES PER GALLON									
Less than 5	3.4 10.1 20.8 39.2 53.8 52.5 399.7 292.3 59.3 48.1 145.3 17.1	5.6 11.9 9.1 65.2 79.1 70.4 458.6 315.9 119.0 23.7 16.0 N	-39.3 -15.7 128.3 -39.9 -32.0 -25.4 -12.8 -7.5 -50.1 103.5 806.0 N	67.4 227.0 302.3 596.3 664.7 685.9 5 070.7 3 750.5 737.1 583.1 1 586.4 S	153.2 383.4 139.8 704.9 860.3 800.0 6 299.6 4 347.4 1 684.0 268.2 197.2	-56.0 -40.8 116.2 -15.4 -22.7 -14.3 -19.5 -13.7 -56.2 117.4 704.6 N	19.9 22.6 14.5 15.2 12.4 13.1 12.7 12.8 12.4 12.1 10.9 S	27.5 32.1 15.3 10.8 10.9 11.4 13.7 13.8 14.2 11.3 N	-27.5 -29.7 -5.3 40.8 13.6 14.9 -7.7 -6.7 -12.2 6.8 -11.2

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

Estimates are based on data from the 2002 and 1	997 Vehicle Inven	tory and Use Surve	eys. Because	of rounding, estim	ates 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
	А	В	С	D	E	F	G	Н	
MODEL YEAR									
2003 2002 2001 2000 1999	V .6 53.4 58.1 60.5	N N N N	N N N N	V 36.7 827.1 971.3 1 079.5	2222	N N N N N N N N N N N N N N N N N N N	V 57.6 15.5 16.7 17.9	N N N	N N N N
1998 1997 1996 1995 1994 1993 Pre-1993	37.9 46.5 48.8 51.8 52.6 38.2 293.4	\$ 45.4 28.5 48.4 49.2 45.4 492.9	\$ 2.3 71.5 7.0 6.9 -15.8 -40.5	677.0 723.8 831.4 762.6 450.8 388.7 2 453.9	\$ 737.5 549.4 938.1 808.5 702.7 5 753.6	S -1.9 51.3 -18.7 -44.2 -44.7 -57.4	17.9 15.6 17.0 14.7 8.6 10.2 8.4	\$ 16.2 19.3 19.4 16.4 15.5 11.7	\$ -4.0 -11.7 -24.0 -47.8 -34.3 -28.4
VEHICLE ACQUISITION									
New Used Not reported	318.4 330.2 93.2	307.2 385.2 23.6	3.7 -14.3 294.8	4 177.5 4 039.1 986.1	4 543.5 4 556.5 438.5	-8.1 -11.4 124.9	13.1 12.2 10.6	14.8 11.8 18.6	-11.3 3.4 -43.0
LEASE CHARACTERISTICS									
Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor Vehicle only Vehicle with driver Not reported Not applicable ⁴ Not reported Not reported Not leased Not leased Not leased	19.0 8.4 1.8 S V 6.5 5.8 8 S S S S S S 302.7		Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	275.9 141.6 56.8 S V 76.5 29.5 S S S S S S 5 576.1 3 350.7	2	N	14.5 16.9 31.0 S V S 13.2 37.0 S S S S 13.3 11.1	N	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Length of leasing agreement: Leased	19.0 .2 2.7 S 16.1	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N	275.9 S 89.6 S 179.3	2222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14.5 S 33.6 S 11.1	2 Z Z Z Z	N N N N N N N N N N N N N N N N N N N
Provisions of lease ⁵ : Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	2.2 1.2 1.0 1.1 .6	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N	73.2 43.7 38.4 39.9 24.6 5.7	N N N N N N N N N N N N N N N N N N N	N N N N N	33.8 35.2 38.3 35.0 43.4 28.0	N N N N N	N N N N N N N N N N N N N N N N N N N
PRIMARY OPERATOR CLASSIFICATION									
Private Motor carrier Owner operator Rental Personal transportation Not applicable ²	128.5 4.4 3.3 S 584.3 17.1	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N	2 183.2 144.7 S 90.4 6 660.6 S	N N N N N	N N N N N	17.0 33.3 S S 11.4	N N N N N	Z Z Z Z Z Z Z
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁶ Type of service: Truckload	2.3 2.5 1.2 735.9	N N N N	N N N N	91.0 69.2 28.8 9 013.7	N N N N	N N N N	40.1 27.1 23.9 12.2 36.2	N N N N	N N N N
Less-than truckload Not reported Not applicable ⁶ Source of hauls: Shippers or receivers Brokers	1.0 1.4 735.9 3.4 .3	1.0 N N N	V N N N	26.5 32.7 9 013.7 116.9 18.2	42.3 N N N	-37.4 N N	25.6 23.3 12.2 34.7 59.9	40.9 N N	-37.4 N N N
Centralized markets or exchanges Other Not reported Not applicable ⁶	.3 .1 V 2.3 735.9	N N N N N N N N N N N N N N N N N N N	N N N	1.3 V 52.6 9 013.7	N N N N	N N N N	15.3 V 23.2 12.2	N N N N	2222
HAZARDOUS MATERIALS CARRIED ⁷									
Carrying hazardous materials	1.3 23.0 5.7 711.8	2.8 30.5 13.1 N	-52.0 -24.5 -56.4 N	50.0 410.3 101.8 8 640.6	95.1 694.8 350.1 N	-47.4 -40.9 -70.9 N	37.6 17.8 17.8 12.1	34.2 22.8 26.7 N	9.6 -21.7 -33.4 N
EQUIPMENT TYPE ^{5 9}									
Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	.8 323.7 2.5 541.7 2.8	N 118.6 N 496.3 N	N 173.0 N 9.1 N	6.4 4 815.1 60.7 7 479.4 105.7	N 1 906.3 N 6 774.7 N	N 152.6 N 10.4 N	8.3 14.9 23.8 13.8 38.3	N 16.1 N 13.7 N	N -7.5 N 1.2 N

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

Estimates are based on data from the 2002 and 19	997 venicie inven	tory and Use Sui	veys. Because	or rounding, estim	nates may not be	addilivej			
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
	А	В	С	D	Е	F	G	Н	1
EQUIPMENT TYPE ⁵ 9—Con.									
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	367.6 .7 73.1 .7 .1	263.4 N N N	39.6 N N N –77.7	5 458.4 12.4 1 007.6 8.4 9.7	3 736.6 N N N 33.4	46.1 N N N -71.1	14.8 16.9 13.8 12.5 108.1	14.2 N N N 83.4	4.6 N N N 29.6
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack,	5.6 330.4 2.2	6.0 103.8 N	-7.5 218.3 N	174.0 4 195.9 32.3	318.8 1 183.9 N	-45.4 254.4 N	31.2 12.7 14.7	52.9 11.4 N	-41.0 11.4 N
electrification, etc.)	.4 S	N N	N N	22.7 S	N N	N N	63.0 S	N N	N N
Lift gate Mounting bar for snowplow Navigational system Power take-off Radial tires	2.2 S S 9.7 460.8	N N .4 N 564.4	N N S N -18.4	29.6 S S 177.4 6 243.2	N N 40.4 N 7 861.6	N N S N -20.6	13.5 S S 18.3 13.5	N N 98.7 N 13.9	N N S N -2.7
Reflective material in addition to those required by law	3.5 8.0 94.2	7.2 9.6 N	-51.2 -16.5 N	79.0 218.1 1 827.2	218.5 349.3 N	-63.9 -37.5 N	22.5 27.3 19.4	30.5 36.5 N	-26.0 -25.2 N
communication capabilities Trip recorder or on-board computer without communication capabilities	24.0 87.2	N N	N N	348.6 1 111.1	N N	N N	14.5 12.7	N N	N N
Vehicle control aids for handicapped drivers Wheelchair lift	S S 12.5	V S N	S S N	S S 154.3	V S N	S S N	S S 12.3	V S N	S S N
Transmission type: Automatic. Manual. Semiautomated manual Automated manual Not reported	437.2 239.8 S S 63.2	N N N N	X X X X X	6 021.4 2 474.3 S S 674.6	X X X X X X	N N N N N N	13.8 10.3 S S 10.7	N N N N	2222
Braking system: Hydraulic (standard). Hydraulic with power assist Air Other Not reported Not applicable ¹⁰	9.8 7.9 13.3 V 4.0 706.9	7.8 10.1 17.1 .3 N	25.9 -22.0 -22.0 N N N	106.6 101.8 303.0 V 88.1 8 603.1	72.2 105.4 636.4 S N	47.7 -3.4 -52.4 S N N	10.8 13.0 22.8 V 21.9 12.2	9.2 10.5 37.3 S N	17.3 23.8 –38.9 S N N
FUEL TYPE AND ENGINE SIZE									
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	669.3 50.0 S .5 V	659.9 47.1 N N N	1.4 6.2 N N	8 223.8 943.8 S 7.7 V	8 251.4 1 104.7 N N N	3 -14.6 N N N	12.3 18.9 S 16.6 V	12.5 23.5 N N N	-1.7 -19.5 N N N
Electricity	V S V V 17.1	N N N N	N N N N	V S V V S	N N N N	N N N N	V S V V S	N N N N	N N N N
Cylinders ¹¹ : 4 cylinders 6 cylinders 8 cylinders Other	110.0 300.7 321.1 10.1	146.4 253.5 294.9 21.2	-24.9 18.6 8.9 -52.3	1 052.6 3 845.7 4 190.5 113.9	2 065.8 3 861.8 3 460.1 150.8	-49.0 4 21.1 -24.4	9.6 12.8 13.1 11.3	14.1 15.2 11.7 7.1	-32.2 -16.1 11.2 58.3
Cubic inch displacement ¹¹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 800 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not reported Not applicable ²	669.3 184.3 188.7 121.0 138.0 32.6 4.8 50.0 19.2 21.2 3.8 3.8 2.0 S V	659.9 223.6 126.1 102.7 145.2 36.7 25.6 47.1 20.5 11.1 4.3 5.1 4.8 8 8	1.4 -17.6 49.6 17.8 -5.0 -11.3 -81.3 -81.3 91.8 -13.2 -26.9 -66.3 S S S N N	8 223.8 1 919.0 2 721.1 1 402.3 1 783.4 390.3 7.7 943.8 208.0 469.2 104.9 117.7 44.0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8 251.4 3 148.4 1 764.0 1 028.7 1 810.8 435.6 63.8 1 104.7 355.8 120.5 185.1 294.3 149.0 \$	3 -39.0 54.3 36.3 -1.5 -10.4 -88.0 -14.6 -41.5 289.3 -40.3 -60.0 -70.5 S S S N N	12.3 10.4 14.4 11.6 12.9 12.0 1.6 18.9 10.8 22.1 28.0 31.4 21.5 S S V S	12.5 14.1 14.0 10.0 12.5 11.9 23.5 17.4 10.9 42.8 57.3 24.6 S S S	-1.7 -26.0 3.1 15.7 3.6 1.0 -35.7 -19.5 -37.7 -45.3 -12.5 S S S N N
REFUELING LOCATION									
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company s/contractor's facility not open to the public Other Not reported Not applicable ²	622.0 15.5 22.2 S V 62.1 17.1	N N N N N N N N N N N N N N N N N N N	22 2 2222	7 848.5 255.6 360.1 37.7 V 699.0 S	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	12.6 16.5 16.2 S V 11.3 S	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

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

Estimates are based on data from the 2002 and 19	997 venicie inven	tory and use Su	rveys. Because	or rounding, estin	nates may not be	additivej			
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
	А	В	С	D	Е	F	G	Н	I
MAINTENANCE ⁵									
General maintenance performed by: None performed	18.2 65.3 293.3 135.7 .5	12.8 53.4 232.5 126.0 .4	41.4 22.4 26.2 7.7 20.4	92.6 1 270.3 4 003.5 1 923.9 10.0	S 1 171.2 3 242.2 1 995.2 19.4	S 8.5 23.5 -3.6 -48.4	5.1 19.4 13.7 14.2 19.8	S 21.9 13.9 15.8 46.2	S -11.4 -2.1 -10.5 -57.1
Individual not employed/paid by any maintenance type facility. Other Not reported Not applicable ²	261.1 V 65.3 17.1	402.4 9.9 24.1 N	-35.1 N 170.7 N	3 029.1 V 711.4 S	4 758.5 55.3 372.2 N	-36.3 N 91.2 N	11.6 V 10.9 S	11.8 5.6 15.4 N	-1.9 N -29.4 N
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	505.7 4.3 60.4 44.4 V	44.3 26.0 137.2 73.4 .2	1 042.1 -83.5 -56.0 -39.4 N	6 420.9 S 760.5 713.5 V	374.4 603.1 1 809.6 1 221.7 11.0	1 615.1 S -58.0 -41.6 N	12.7 S 12.6 16.1 V	8.5 23.2 13.2 16.7 47.3	50.2 S -4.6 -3.6 N
Component distributorship (engine, transmission, body, etc.) Individual not employed/paid by any repair type facility. Other Not reported Not applicable ²	6.6 47.9 V S 17.1	13.9 69.2 S 372.0 N	-52.4 -30.8 S S N	571.9 V S S	297.0 707.4 S 5 018.3 N	S -19.2 S S N	\$ 11.9 V \$ \$	21.4 10.2 S 13.5 N	16.8 S S N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer	716.2 712.3 3.5 .3 V	687.6 683.1 4.1 .4 N	4.2 4.3 -15.2 -4.3 N N	8 693.1 8 636.3 51.1 4.4 S V	8 734.6 8 670.7 58.8 5.1 N	5 4 -13.1 -12.2 N N	12.1 12.1 14.6 12.9 S V	12.7 12.7 14.2 14.0 N	-4.5 -4.5 2.5 -8.2 N N
Combinations Single-unit trucks with trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with single trailer 3 axles 5 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles 9 axles 10 axles 9 axles 10 axles or more Not reported	25.7 19.5.5 15.5.3 8 6.1 .5.7 4.5.4 4.1 8 8 V V V V V V V V V V V V V V V V V V	28.3 17.2 \$ 12.9 \$ N 11.0 .7 2.1 8.2 N 1.1 \$ V V V V V N	-9.4 13.3 S 19.5 S N -44.6 -30.9 -66.2 -44.5 S S S S S S N N N N N N N N N N	509.6 290.1 S 249.1 4.7 S 217.1 6.3 19.2 183.7 8.0 S S V V V V V V	803.9 244.3 S 147.9 64.9 N 554.5 11.1 93.1 450.3 N S S S V V V V V V	-36.6 18.7 S 68.5 -92.8 N -60.8 -43.5 -79.3 -59.2 N S S S S N N N N N N N N N N N N N N N	19.9 14.9 S 16.1 13.8 S 35.7 13.2 27.0 40.4 22.4 22.4 V V V V V V	28.4 14.2 S 11.4 S N 50.5 16.1 44.3 54.9 N S S S S V V V V V V V N	-30.0 4.8 S 41.0 S N -29.3 -18.3 -38.9 -26.4 N S S S S N N N N N N N N
Driving axles: 1	400.7 341.1 S S	468.7 246.7 .5 V	-14.5 38.3 S S	4 732.3 4 467.8 S S	5 548.2 3 936.4 53.9 V	-14.7 13.5 S S	11.8 13.1 S S	11.8 16.0 104.6 V	2 -17.9 S S
Total liftable axles and locations 12: None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis Beyond the Orbital Selow the Chassis Not reported Not reported Not applicable 10	34.2 .6 .2 .2 .3 .V .V .V .S .S .V .1 .706.9	13.9 .3 .N .N .N .A .4 .N .N .N .N .N .N .N .N .N .N .N .N .N	146.0 127.0 N N N N N N N N N N N	587.4 8.5 S S S 4.1 .6 S S S S S V 2.4 8 603.1	276.2 3.6 N N N N S N N N N N N	112.7 137.8 N N N N S S N N N N N	17.2 13.5 S S 12.8 V S S S S S S S 12.1 12.2	19.9 12.9 N N N S S N N N N N	-13.5 4.7 N N N N S S N N N N N N
Total liftable axles and number of braking axles: None	34.2 .6 S S .5 V V V V V 1 1 706.9	13.9 .3 .N .N .4 .4 .N .N .N .N .N	146.0 127.0 N N N N N N N N N N	587.4 8.5 S 7.0 S S V V V S V 2.4 8 603.1	276.2 3.6 N N S S N N N N N N N	112.7 137.8 N N S S N N N N N	17.2 13.5 S 14.9 S V V V S V V 18.1 12.2	19.9 12.9 N N S S N N N N N	-13.5 4.7 N N N S N N N N N N N N N

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

		,		<u> </u>		-			
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
	Α	В	С	D	E	F	G	Н	1
CAB TYPE									
Conventional cab	32.0 2.3 29.1 .6	31.9 N N N	.5 N N N	547.2 100.6 421.1 25.6	895.1 N N N	-38.9 N N N	17.1 43.8 14.5 39.5	28.1 N N N	-39.1 N N N
Cab over engine With sleeper Without sleeper Not reported	2.8 .2 2.5 .1	3.8 N N N	–25.5 N N N	51.8 3.7 43.3 4.8	86.9 N N	-40.4 N N	18.3 16.5 17.3 46.1	22.8 N N	-20.0 N N N
Cab forward of engine	S S S 706.9	1.3 S N N	S S N N	S S S 8 603.1	9.9 S N N	S S N N	S S S 12.2	7.9 S N	99 X X

N Not available. miles, or 0.05 percent. 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

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.

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. ²Vehicles not in use. Whe ³Truck-tractors not in use.

^{*}Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

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

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

*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.

*Tolstributed miles data are available in Table 8.

^{*}Distributed miles data are available in Lable 8.

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

§Pickups, 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.

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
	А	В	С	D	Е	F	G	н	1
Total	1.0	.8	1.4	4.2	4.0	5.6	4.1	3.9	5.2
BUSINESS									
For-hire transportation or warehousingVehicle leasing or rental Agriculture, forestry, fishing, or hunting Mining Utilities	33.7	26.2	17.8	38.9	12.3	24.6	7.2	18.4	28.7
	S	31.0	S	S	20.9	S	S	15.6	S
	28.8	19.7	20.0	42.3	25.7	26.7	30.0	17.5	32.5
	34.0	32.9	61.3	41.0	35.5	61.6	22.8	13.8	23.4
	39.5	47.0	105.1	46.3	S	S	15.9	S	S
Construction Manufacturing Wholesale trade Retail trade Information services	19.2	13.9	14.8	26.5	18.2	29.5	16.3	11.7	29.4
	20.5	33.8	3.1	22.6	23.5	3.5	17.4	17.5	34.5
	42.5	31.3	39.2	42.6	35.4	23.0	23.4	18.7	16.8
	24.4	24.0	40.6	29.5	27.2	32.3	17.6	13.7	15.1
	S	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable 1	17.0 S S 29.4 2.4 30.9 27.9	N N N 2.6 N 22.0	N N N 4.1 N 25.5	21.6 S S 37.2 5.1 37.2 S	N N N 5.8 N S	N N N 8.4 N S	17.8 S S 22.6 4.5 29.6 S	N N N N N S 2 2 N S	N N N 0.5 N S
BODY TYPE									
Single-unit trucks Pickup. Minivan Other light vans Sport utility. Armored	1.0	.8	1.4	4.3	4.2	6.0	4.2	4.1	5.6
	1.5	1.2	1.8	6.4	6.2	8.5	6.2	6.1	8.6
	14.1	12.6	18.7	18.5	16.8	25.4	12.0	11.2	16.9
	24.6	14.9	14.0	28.5	17.9	14.1	15.4	10.0	15.8
	5.2	7.4	14.3	8.5	10.7	18.9	6.6	7.8	8.9
	S	N	N	S	N	N	S	N	N
Beverage Concrete mixer Concrete pumper Crane Curtainside	43.1	S	S	\$	S	\$	\$	S	S
	11.7	14.0	19.4	17.5	16.3	27.7	10.2	8.4	14.3
	42.6	N	N	\$	N	N	\$	N	N
	41.3	22.9	10.7	\$	34.7	S	\$	29.5	S
	N	N	N	N	N	N	N	N	N
Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe Service, utility	10.5	10.4	12.7	14.0	11.8	13.2	12.1	10.8	13.6
	7.1	7.3	8.2	10.9	11.0	15.2	8.4	8.7	14.7
	S	33.9	S	S	S	S	S	S	S
	35.2	39.8	219.3	S	S	S	S	S	S
	15.3	21.5	51.1	20.5	31.4	69.2	13.6	20.6	23.6
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	12.6	16.7	25.8	16.0	21.2	52.5	9.8	13.3	26.4
	N	N	N	N	N	N	N	N	N
	S	S	S	S	S	S	S	S	S
	13.4	14.7	21.0	19.2	21.4	19.5	13.4	15.3	13.0
	23.4	35.4	74.5	37.2	46.1	177.6	28.7	25.8	65.9
Trash, garbage, or recycling	19.7	40.9	117.7	21.0	44.0	110.8	14.6	31.3	30.3
	39.3	N	N	38.3	N	N	34.6	N	N
	11.6	19.7	50.8	14.8	21.9	42.2	9.8	13.7	12.1
	S	N	S	S	N	S	S	N	S
	35.9	34.5	33.5	42.1	36.3	41.6	26.0	18.9	35.7
Van, open top Van, step, walk-in, or multistop Van, other Other	35.8	27.5	32.9	\$	45.3	\$	\$	45.3	S
	14.8	10.8	8.1	19.5	17.9	4.1	12.6	14.6	6.7
	32.5	N	N	41.3	N	N	29.7	N	N
	S	N	N	\$	N	N	\$	N	N
Truck-tractors Automobile carrier Beverage Curtainiside Dump Flatbed, stake, or platform	3.9	3.2	3.0	5.6	4.3	2.8	5.4	3.6	4.3
	S	34.2	S	S	44.9	S	S	29.1	S
	26.8	34.2	105.3	28.3	44.5	91.4	26.1	28.5	27.6
	N	N	N	N	N	N	N	N	N
	7.7	12.8	20.5	11.2	15.1	21.3	8.1	11.5	11.7
	11.6	9.6	6.9	15.7	11.2	8.0	12.7	8.5	13.7
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	26.5	23.3	19.0	S	30.6	\$	\$	19.8	S
	20.7	13.1	7.3	33.6	22.3	7.0	26.9	18.1	18.8
	S	N	N	S	N	N	\$	N	N
	20.7	19.3	17.8	28.5	29.7	31.9	19.6	23.3	37.5
	47.9	30.8	19.1	S	35.5	S	\$	19.6	S
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	42.9 10.6 17.5 S N	29.1 14.5 8.9 9.7 S	16.7 17.6 8.7 S	S 15.3 16.0 S N	32.0 19.8 9.8 10.8 S	\$ 23.4 4.1 \$ \$	S 11.0 15.3 S N	13.2 11.1 6.2 5.6 S	\$ 14.9 8.2 \$ \$
Van, insulated refrigerated	23.0	20.0	16.4	28.6	24.2	16.9	17.1	13.7	18.4
Other	S	N	N	S	N	N	S	N	N
Not applicable ²	22.7	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	9.2	8.4	12.4	11.7	10.7	14.6	7.2	6.4	8.9
5,000 to 9,999	8.8	8.6	13.8	9.1	8.9	14.4	2.2	2.2	3.1
10,000 to 19,999	5.4	5.7	9.3	5.6	5.8	9.4	1.5	1.4	2.0
20,000 to 29,999	15.1	11.5	13.1	15.1	11.5	13.4	2.0	1.3	2.4
30,000 to 49,999	21.8	18.5	24.3	21.9	18.5	25.9	3.1	2.3	4.1
50,000 to 74,999	25.6	27.3	58.9	25.8	27.1	59.5	3.5	2.8	4.5
75,000 or more	10.3	28.1	3.5	10.8	26.6	3.5	3.3	5.8	6.8
Not applicable ¹	27.9	22.4	26.1	S	N	S	S	N	S

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]

and i snow estimated standard errorsj								,	
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
	А	В	С	D	Е	F	G	Н	1
PRIMARY RANGE OF OPERATION									
Off-the-road	26.0 3.9 14.4 24.8 25.9	16.8 3.3 10.6 15.8 18.6	15.0 4.9 12.0 14.7 21.2	43.1 6.3 19.3 32.7 33.7	19.9 5.5 13.4 24.7 18.9	38.8 8.7 14.2 16.7 16.5	34.9 5.0 13.1 22.4 24.2	11.5 4.5 8.6 20.0 13.5	62.1 7.2 14.2 24.5 17.8
501 miles or more Not reported Not applicable ¹	33.2 9.5 27.9	25.6 22.4 N	33.6 145.2 N	38.3 11.9 S	23.5 N N	23.5 N N	25.6 7.6 S	18.9 N N	20.7 N N
PRIMARY JURISDICTION									
Operated in Canada. Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable¹	\$ 2.6 25.2 10.9 27.9	222 222	N N N N N N N N N N N N N N N N N N N	\$ \$ 5.2 22.7 13.2 \$	N N N N N N N N N N N N N N N N N N N	N N N N N	\$ \$ 4.5 10.9 8.1 \$	N N N N N	N N N N N
MONTHS OPERATED									
12 7 to 11 2 to 6 1 or less Vehicle not used	3.0 12.0 13.9 22.9 27.9	N N N N N	N N N N N	5.0 16.4 28.3 S S	N N N N N	N N N N N N	4.1 11.5 24.7 S S	N N N N	N N N N N
VEHICLE SIZE									
Light Medium Light-heavy Heavy-heavy	1.4 19.3 7.4 3.3	.9 16.9 10.1 7.4	1.7 67.4 17.2 5.5	4.5 27.5 10.7 4.6	4.5 16.8 15.3 5.3	6.0 76.5 22.7 3.2	4.3 17.7 7.7 4.3	4.4 13.4 12.1 4.6	5.7 20.0 12.7 4.3
AVERAGE WEIGHT (POUNDS)									
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	2.9 10.4 19.9 24.1 43.2	1.7 N N 24.5 19.0	3.0 N N 92.0 190.3	5.7 13.5 28.5 33.3 S	5.0 N N 19.6 26.0	6.2 N N 69.6 S	4.9 8.6 19.8 21.4 S	4.6 N N 17.7 21.9	6.4 N N 18.7 S
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	49.0 7.4 15.0 17.6 9.6	16.9 10.1 12.2 10.4 7.8	75.5 17.2 15.2 11.2 7.8	24.5 10.7 21.3 28.3 13.9	23.0 15.3 16.5 15.6 12.7	32.8 22.7 16.6 17.0 7.6	39.7 7.7 15.7 20.0 10.4	16.2 12.1 12.3 12.1 11.4	28.7 12.7 15.6 22.4 9.8
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	9.7 3.7 20.3 S	42.0 3.9 15.3 S N	30.6 3.7 11.6 S S	15.6 6.0 27.6 S S	26.6 5.7 17.7 S N	9.8 4.4 5.2 S	11.7 5.3 19.2 S S	18.0 3.9 9.7 S N	9.6 5.2 7.5 S S
TOTAL LENGTH (FEET)									
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	2.1 14.4 19.1 43.1 S	1.1 11.3 29.3 41.1 S	2.2 81.3 156.9 38.9 S	5.0 20.5 22.7 14.6 S	4.5 13.8 34.2 46.4 24.2	5.8 122.1 187.7 28.4 S	4.6 14.0 13.5 38.1 S	4.3 6.8 15.0 25.0 S	5.9 17.3 20.6 40.7 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	\$ \$ 12.0 8.9 12.0	20.7 S 7.7 7.3 8.3	S S 7.3 6.2 6.7	\$ 22.9 15.2 11.9 15.0	24.4 19.4 10.6 9.4 10.4	S 15.4 4.2 6.1 6.3	\$ 12.0 9.9 11.4	23.4 S 6.5 6.5 6.1	S S 5.9 8.9 9.7
70.0 to 74.9 75.0 to 79.9 80.0 or more	20.7 S 39.1	12.5 N N	6.8 N N	27.1 S S	15.4 N N	5.7 N N	17.8 S S	8.8 N N	12.9 N N
MILES PER GALLON									
Less than 5 5 to 6.9 7 to 8.9 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 22 for more Not reported Not applicable 1	7.9 22.9 24.2 18.3 16.3 16.7 4.3 5.7 15.8 17.7 9.2 27.9	6.4 12.3 22.3 13.2 12.3 13.1 3.2 4.8 9.8 23.6 19.3 N	6.2 21.9 75.0 13.5 13.9 15.8 4.6 6.9 9.3 59.9 194.1	10.2 16.9 40.4 25.9 23.1 21.4 6.8 8.4 19.0 25.3 12.8 S	8.7 8.9 19.5 17.4 21.9 5.8 7.1 14.9 35.7 8.4 N	5.9 11.3 97.0 26.4 24.5 24.0 7.2 9.5 10.6 95.1 123.2 N	8.9 13.0 33.2 17.9 16.2 13.4 5.3 6.2 10.7 18.1 9.2 S	7.9 6.8 8.7 11.8 18.1 12.2 4.9 5.3 11.2 26.9 20.4 N	8.6 10.3 32.5 30.2 27.6 20.9 6.6 7.6 13.6 34.6 19.9 N

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]

and to how commuted standard errors]					1	1	1	1	
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
	Α	В	С	D	Е	F	G	Н	1
MODEL YEAR									
2003 2002 2001 2000 1999	N 22.9 16.4 15.6 15.3	2222	N N N N	N 20.9 18.2 17.4 19.3	N N N N	N N N N	N 15.4 9.5 8.6 12.0	N N N N	N N N N
1998 1997 1996 1995 1995 1994 1993 Pre-1993	19.8 17.7 17.2 16.6 16.6 19.7 5.6	\$ 16.4 20.7 15.8 15.8 16.4 3.0	S 24.6 46.1 24.5 24.5 21.5 3.8	24.3 24.1 21.8 20.3 18.2 23.6 10.0	\$ 19.5 22.2 17.4 16.9 17.6 6.3	\$ 30.4 47.1 21.7 13.9 16.3 5.0	14.3 16.9 13.7 12.0 8.2 13.6 8.4	\$ 11.3 12.9 9.7 9.4 10.5 5.6	S 19.5 16.6 11.7 6.5 11.3 7.2
VEHICLE ACQUISITION									
New. Used Not reported	5.3 5.2 12.1	5.0 4.0 21.6	7.6 5.6 97.7	7.6 8.7 13.7	7.6 6.6 18.3	9.9 9.7 51.4	5.6 7.0 7.0	6.1 5.3 12.1	7.4 9.1 8.0
LEASE CHARACTERISTICS									
Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ³ Lessor Vehicle only Vehicle only Vehicle with driver Not reported Not applicable ³ Not reported Not ported Not popted Not popted Not reported Not reported Not reported Not reported Not reported	26.4 38.2 14.4 S N 49.0 47.9 22.5 S S S S S S 1.1	zzzzzzzzzzz	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21.6 29.5 16.0 S N S 32.4 19.4 S S S S 8 8.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.5 12.2 12.5 S N 19.8 12.3 S S S S 5.5 6.3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N N N N N N N N N N N N N N N N N N N
Length of leasing agreement: Leased	26.4 44.2 11.8 S 31.1	2222	N N N N	21.6 S 12.0 S 32.6	2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.5 S 9.0 S 9.9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Provisions of lease: Financing only. Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	13.0 18.1 19.1 18.5 25.2 47.7	2222	2	13.4 17.1 18.0 17.9 21.3 45.5	N N N N N	N N N N N	10.7 10.9 12.5 11.0 14.5 22.3	N N N N N	N N N N N
PRIMARY OPERATOR CLASSIFICATION									
Private Motor carrier Owner operator Rental Personal transportation Not applicable	9.3 8.2 49.4 S 2.4 27.9	2 2 2 2 2 2 2	N N N N N	12.8 8.6 S 49.8 5.1	N N N N N	N N N N N	8.7 6.5 S S 4.5 S	N N N N N	N N N N N
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁴ Type of service: Truckload Less-than truckload Not reported Not applicable ⁴ Source of hauls: Shippers or receivers	9.7 10.9 17.3 1.0 7.1 20.2 17.0 1.0	2 2 2 2 2 5 6 5 2 2 2 5 5 6 5 6 5 6 5 6	N N N N 11.1 25.9 N N	10.5 12.1 19.2 4.3 8.4 20.5 18.7 4.3	N N N N 7.9 16.4 N N	N N N N 7.7 16.4 N N	8.4 9.0 12.1 4.1 6.9 13.0 12.0 4.1	N N N N 4.8 9.5 N N	N N N N 5.0 10.1 N N
Brokers. Centralized markets or exchanges Other Not reported Not applicable ⁴	19.7 36.2 N 12.0 1.0	2222	N N N N	26.3 38.8 N 13.7 4.3	N N N N N	N N N N N N N N N N N N N N N N N N N	17.3 15.8 N 8.9 4.1	N N N N	N N N N
HAZARDOUS MATERIALS CARRIED ⁵									
Carrying hazardous materials Not carrying hazardous materials Not reported Not applicable ⁶	16.3 2.8 8.1 1.1	12.4 2.6 5.6 N	9.8 2.9 4.3 N	16.2 4.2 9.8 4.5	12.8 3.7 11.4 N	10.9 3.3 4.4 N	12.4 3.6 7.2 4.3	10.2 3.6 10.1 N	17.6 4.0 8.3 N

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]

and i snow estimated standard errorsj								,	
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
	Α	В	С	D	E	F	G	Н	I
EQUIPMENT TYPE 7									
Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	25.6 5.2 10.4 2.9 6.9	N 9.6 N 2.8 N	N 29.8 N 4.4 N	38.3 7.4 12.3 5.3 9.4	N 11.4 N 4.5 N	N 34.3 N 7.7 N	29.0 5.2 9.2 4.5 8.1	N 6.8 N 3.7 N	N 7.9 N 5.9 N
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	4.6 24.9 13.9 26.0 36.2	5.6 N N N 26.3	10.1 N N N 10.0	7.0 30.6 16.1 29.9 40.9	7.1 N N N 25.8	14.6 N N N 14.0	5.3 17.3 8.9 16.8 18.3	4.6 N N N 22.5	7.3 N N N 37.6
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.) Internet access	5.2 5.1 13.6 22.3	4.5 10.4 N N	6.4 36.8 N N	6.9 7.9 18.4 26.8 S	6.1 13.7 N N	5.0 55.9 N N	6.2 6.0 13.9 20.7 S	4.4 9.1 N N	4.5 12.1 N N
Lift gate Mounting bar for snowplow Navigational system Power take-off Radial tires	14.0 S S 5.2 3.7	N N 30.6 N 2.3	N N S N 3.5	16.7 S S 6.9 6.2	N N 25.2 N 4.9	N N S N 6.3	9.7 S S 5.8 5.0	N N 26.7 N 4.4	N N N S N 6.5
Reflective material in addition to those required by law	9.3 6.0 11.2 25.2	6.9 5.4 N	5.7 6.7 N N	10.8 6.7 14.8 27.7	7.3 6.0 N N	4.7 5.6 N N	8.8 5.2 9.7 12.1	6.7 5.7 N N	8.2 5.7 N N
communication capabilities	12.6 S S 31.4	N N S N	SSN	17.3 S S 34.3	N S N	S S N	11.9 S S 20.3	N N S N	S S N
Transmission type: Automatic	3.8 6.4 S S 14.8	N N N N	2222	6.4 9.7 S S 16.1	2222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5.1 7.7 S S 8.5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N N N N
Braking system: Hydraulic (standard). Hydraulic with power assist Air Other Not reported Not applicable ⁸	6.0 7.0 3.6 N 9.8 1.1	8.3 7.0 2.7 49.5 N	12.9 7.7 3.5 N N N	9.6 10.1 5.0 N 11.2 4.5	13.2 10.8 3.6 S N	24.1 14.2 2.9 S N	7.6 7.5 4.4 N 7.9 4.3	10.5 8.5 3.6 S N	15.2 14.0 3.5 S N
FUEL TYPE AND ENGINE SIZE									
Fuel type: Gasoline	1.7 13.3 S 33.2 N	1.2 11.8 N N	2.1 18.9 N N N	4.6 14.8 S 45.0 N	4.5 10.5 N N N	6.4 15.5 N N N	4.3 9.9 S 30.3 N	4.3 8.7 N N N	6.0 10.6 N N
Electricity Combination Other Not reported Not applicable ¹	N S N N 27.9	N N N N N N N N N N N N N N N N N N N	2222	N S N N S	N	N N N N	N S N N S	N N N N	N N N N
Cylinders ⁹ : 4 cylinders 6 cylinders 8 cylinders Other	11.1 5.2 5.1 31.9	8.4 5.5 5.1 18.4	10.5 9.0 7.9 17.6	14.9 7.8 8.2 45.8	14.1 6.6 8.1 10.2	10.5 10.1 14.0 35.5	10.1 6.1 6.4 26.7	11.3 4.4 6.6 16.3	10.3 6.3 10.2 49.5
Cubic inch displacement ⁹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Not available Not available Not available Not available Not applicable 1	1.7 8.1 7.6 10.4 9.5 20.5 47.7 13.3 26.1 21.4 5.0 5.8 11.1 S S 45.1 N 27.9	1.2 6.4 8.9 10.6 8.5 17.5 20.4 11.8 23.7 25.1 5.4 4.7 5.5 49.5 S S S N N	2.1 8.5 17.5 17.5 12.1 23.9 9.7 18.9 33.1 6.4 5.4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4.6 10.9 11.0 14.3 29.1 31.5 14.8 28.1 27.3 7.8 8.4 13.9 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4.5 10.3 11.3 14.7 12.5 20.9 26.4 10.5 31.5 17.3 7.7 6.3 8.5 S S S N N	6.4 9.1 24.3 27.9 18.5 32.2 5.0 15.5 24.7 125.7 6.2 4.8 S S S S N N	4.3 7.3 7.8 9.8 10.1 20.8 32.0 9.9 15.8 15.1 6.2 7.5 12.2 S 8.0 S N	4.3 8.0 6.9 10.2 9.3 16.4 19.2 8.7 20.6 17.2 5.7 4.6 7.4 S S S S N N	6.0 8.1 10.7 16.3 14.2 26.8 24.0 10.6 16.2 46.4 5.5 4.8 12.5 S S S S N N

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
	А	В	С	D	Е	F	G	Н	I
REFUELING LOCATION									
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable¹ Not applicable¹	2.2 27.4 20.4 S N 15.1 27.9	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	5.1 18.3 24.6 36.4 N 16.2	N N N N N N	N N N N N N	4.6 14.4 16.6 S N 7.1	N N N N N N	N N N N N N N N N N N N N N N N N N N
MAINTENANCE									
General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	29.0 13.4 5.7 9.6 30.9	31.8 13.1 6.2 9.3 25.5	60.9 23.0 10.6 14.3 48.2	38.5 18.1 8.7 12.3 32.9	\$ 14.2 9.3 11.3 27.9	\$ 24.9 15.7 16.1 22.2	24.7 12.2 6.6 8.0 15.7	\$ 8.3 7.1 7.0 24.9	S 13.1 9.5 9.5 12.6
Individual not employed/paid by any maintenance type facility Other Not reported Not applicable ¹	6.2 N 14.7 27.9	3.8 36.7 18.9 N	4.7 N 64.8 N	9.5 N 15.9 S	6.9 41.0 10.9 N	7.5 N 36.9 N	7.2 N 7.3 S	5.8 22.8 17.0 N	9.1 N 13.1 N
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	3.3 37.7 15.3 18.2 N	16.7 18.2 8.8 12.4 26.9	194.6 6.9 7.8 13.3 N	6.0 S 19.3 23.8 N	22.2 14.4 11.1 14.0 31.4	395.0 S 9.4 16.1 N	5.0 S 12.5 15.8 N	14.6 11.2 7.3 8.6 16.9	23.1 S 13.8 17.3 N
Component distributorship (engine, transmission, body, etc.). Individual not employed/paid by any repair type facility. Other Not reported Not applicable ¹	48.3 17.5 N S 27.9	29.5 13.1 S 4.2 N	27.0 15.1 S S N	\$ 22.9 N S S	32.5 17.5 S 7.5 N	23.3 S S N	\$ 14.7 N S S	20.4 11.7 S 6.3 N	\$ 22.0 \$ \$ N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer	1.3 1.3 5.3 17.2 47.7 N	1.0 1.0 6.9 21.5 N N	1.7 1.7 7.4 26.4 N	4.4 4.4 9.6 18.7 S N	4.4 4.4 11.1 24.4 N N	6.2 6.2 12.8 27.0 N	4.2 4.2 8.0 7.3 S N	4.2 4.3 8.7 11.6 N	5.7 5.7 12.1 12.5 N N
Combinations Single-unit trucks with trailer. 3 axles 4 axles 5 axles or more Not reported Truck-tractors with single trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles or more Not reported Truck-tractors with diple trailers 7 axles 8 axles or more Not reported Truck-tractors with triple trailers 7 axles 8 axles or more Not reported Truck-tractors with triple trailers 7 axles 8 axles 9 axles 10 axles or more Not reported	20.5 27.0 S 30.8 30.7 5 4.0 29.3 19.8 3.6 22.7 47.9 S N N N N N	15.2 25.0 S 29.8 S N 3.2 18.1 11.6 3.5 S 48.5 S N N N N N N N N N N N N N N N N N N	23.2 41.7 51.3 S N 2.9 23.8 7.8 2.8 S S S S N N 30.8 S S N N 30.8 N N 30.8 N N N N N N N N N N N N N N N N N N N	21.4 37.4 \$42.3 33.5 5.6 38.3 20.8 6.4 27.8 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.7 26.8 S 36.2 43.4 N 4.4 20.5 114.8 4.7 S S S N N N N N N N	14.7 54.7 93.9 3.9 N 2.8 24.5 5.3 3.2 8 S S S N N N N N N	15.9 26.1 S 29.2 21.3 S 5.3 26.7 19.1 5.3 24.4 S S S N N N N N N	9.7 14.6 S 21.4 S N 3.6 16.7 3.8 S S S N N N N N N N N S S S N N N N N	13.0 31.3 51.1 S N 4.5 25.7 13.1 4.8 S S S S S N N N N N N N N N N N N N N N
Driving axles: 1 2 3 or more Not reported	4.3 5.0 S	3.1 5.7 16.6 N	4.5 10.4 S S	7.2 7.4 S S	5.6 8.4 20.3 N	7.8 12.7 S S	5.9 5.6 S	4.8 6.5 14.2 N	7.6 7.0 S S
Total liftable axles and locations: None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis. Beyond the chassis Not reported Not reported Not apported Not applicable8	1.4 20.2 47.2 5 17.9 47.7 47.7 47.7 S S N 28.7	5.1 34.9 N N N 40.8 N N N N N N N N N N N N N N N N N N N	13.1 91.4 N N N N N N N N N N N	3.3 29.1 S 19.5 49.8 S S S S S S N 47.4 4.5	6.2 33.1 N N N N S S N N N N N	14.9 104.8 N N N N S S N N N N N	3.1 21.9 S S 7.8 14.4 S S S S S S S S S A 14.4 4.4 4.3	5.9 26.5 N N N N S N N N N N N	5.7 36.0 N N N N S S N N N N N

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
	Α	В	С	D	E	F	G	н	1
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles: None	1.4 20.2 \$ 20.9 \$ 47.7 N 47.7 N 28.7 1.1	5.1 34.9 N N 40.8 N N N N N N	13.1 91.4 N N N N N N N N N N	3.3 29.1 5 33.9 S S S N N S N 47.4 4.5	6.2.1 33.1 N N S S N N N N N N	14.9 104.8 N N S N N N N N N N	3.1 21.9 S 23.6 S S S N N S N 38.1 4.3	5.9 26.5 N N S N N N N N N N N N N N N N N N N	5.7 36.0 N N S N N N N N N N
CAB TYPE									
Conventional cab With sleeper Without sleeper Not reported	1.6 6.9 1.8 15.2	2.5 N N N	3.0 N N N	3.5 9.4 4.1 17.5	4.9 N N N	3.7 N N N	3.3 7.7 3.7 13.5	4.7 N N N	3.5 N N N
Cab over engine With sleeper Without sleeper Not reported	8.5 22.4 9.4 33.9	9.3 N N N	9.4 N N N	11.4 43.2 12.1 46.8	10.9 N N N	9.4 N N N	8.9 36.2 9.2 31.8	9.2 N N N	10.3 N N N
Cab forward of engine Cab beside engine Not reported Not applicable ³	S S S 1.1	22.9 S N N	S S N N	S S S 4.5	30.5 S N N	S S N N	S S S 4.3	22.5 S N N	88ZZ

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.

¹ Vehicles 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.
2 Truck-tractors not in use.
3 Lessees or lessors of pickups, minivans, other light vans, and sport utilities.
4 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.
5 Distributed miles data are available in Table 8.
6 Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.
7 Pickups, 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.
9 Data 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
	Α	В	С	D	Е	F	G	Н	I
Total	35.0	43.8	-20.1	599.6	1 122.8	-46.6	17.1	25.6	-33.1
BUSINESS ¹									
For-hire transportation or warehousing. Vehicle leasing or rental Agriculture, forestry, fishing, or hunting Mining. Utilities	3.3 1.0 2.8 3.0 2.3	6.0 3.4 4.8 3.1 1.3	-45.5 -71.6 -40.8 -2.3 69.5	124.2 25.4 25.8 63.2 29.6	291.5 234.7 67.9 73.8 16.2	-57.4 -89.2 -62.0 -14.3 83.0	38.0 26.3 9.1 20.9 13.1	48.6 69.0 14.2 23.8 12.2	-21.9 -61.9 -35.8 -12.3 8.0
Construction Manufacturing Wholesale trade Retail trade Information services	7.2 .8 1.7 2.6 .3	10.6 1.6 3.2 3.1 N	-32.6 -51.4 -45.2 -16.4 N	105.0 11.1 42.2 45.6 4.9	158.4 47.2 105.6 73.0 N	-33.7 -76.6 -60.0 -37.5 N	14.7 14.4 24.1 17.6 17.9	14.9 29.9 33.1 23.5 N	-1.6 -51.8 -27.0 -25.3 N
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable ²	1.1 .3 .3 1.1 1.1 3.6 2.7	N N N 1.8 V 2.6	N N N -36.0 N 2.8	20.4 S 7.8 19.0 8.0 63.3 S	N N N N N N N N N N N N N N N N N N N	N N N N -1.1 N S	17.9 S 26.0 18.1 7.0 17.7 S	N N N N 4.5 V S	N N N S4.5 N S
BODY TYPE									
Single-unit trucks Armored Beverage Concrete mixer Concrete pumper Crane	28.4 S .2 .9 .1	32.7 N S .8 N 1.2	-13.1 N S 6.6 N -77.3	380.1 S S 11.1 S S	563.1 N S 9.6 N 11.0	-32.5 N S 15.5 N S	13.4 S S 12.5 S	17.2 N S 11.5 N 9.3	-22.3 N S 8.3 N S
Curtainside Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe	V 3.0 7.6 S .4	N 3.5 9.4 .6 .1	N -13.9 -19.1 S 312.6	V 28.8 82.0 S	N 40.0 83.3 S S	N -28.0 -1.6 S S	V 9.5 10.8 S S	N 11.4 8.9 S S	N -16.3 21.6 S S
Service, utility Service, other Street sweeper Tank, dry bulk Tank, liquids or gases	2.1 3.0 V S 2.2	1.1 2.5 N S 2.1	93.5 23.7 N S 5.9	24.7 49.3 V S 30.8	13.4 24.9 N S 45.5	84.6 97.6 N S -32.2	11.7 16.2 V S 13.7	12.2 10.2 N S 21.4	-4.6 59.7 N S -35.9
Tow/Wrecker Trash, garbage, or recycling Vacuum Van, basic enclosed Van, insulated nonrefrigerated	.9 .6 .2 3.2 S	.5 .2 N 1.4 V	75.6 159.3 N 122.4 S	13.7 13.1 3.2 54.7 S	4.6 5.8 N 34.3 V	199.9 127.2 N 59.5 S	14.4 22.5 19.3 17.3 S	8.4 25.6 N 24.1 V	70.8 -12.4 N -28.3 S
Van, insulated refrigerated Van, open top Van, step, walk-in, or multistop Van, other Other	.3 .3 2.2 .5 S	.5 .5 5.0 N N	-32.8 -27.2 -56.1 N	8.5 S 32.6 4.6 S	11.4 2.2 212.9 N N	-25.3 S -84.7 N N	24.5 S 14.8 9.7 S	22.1 4.7 42.6 N	11.2 S -65.2 N
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	6.6 S .3 V 1.6 1.1	11.1 .1 .1 N 1.2 2.4	-40.7 S 142.3 N 37.0 -53.9	219.5 S 8.1 V 43.8 41.3	559.6 7.1 4.7 N 38.6 99.8	-60.8 S 73.3 N 13.5 -58.6	33.4 S 23.2 V 27.2 37.1	50.4 49.2 32.4 N 32.9 41.3	-33.8 S -28.5 N -17.2 -10.0
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	.2 .3 S .3 .1	.3 .9 N .4 .2	-46.1 -70.3 N -37.2 -66.5	\$ 5.2 \$ 9.0 \$	16.9 30.3 N 11.7 5.1	S -82.7 N -22.5 S	\$ 19.1 \$ 33.2 \$	55.0 32.9 N 26.9 32.0	S -41.9 N 23.3 S
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	.1 1.0 1.0 S V	.2 1.0 2.2 1.1 S	-67.8 -2.1 -55.8 S	\$ 53.8 38.2 \$ V	18.6 57.6 175.0 61.4 S	S -6.5 -78.2 S S	\$ 56.0 39.0 \$ V	94.0 58.6 78.8 58.4 S	S -4.5 -50.6 S S
Van, insulated refrigerated Other Not applicable ³	.2 S .4	.4 N N	-46.2 N N	10.4 S V	23.0 N N	–55.0 N N	46.5 S V	55.5 N N	-16.3 N N
ANNUAL MILES									
Less than 5,000 5,000 to 9,999 10,000 to 19,999 20,000 to 29,999 30,000 to 49,999	8.7 4.1 8.7 5.2 3.3	11.1 4.9 8.8 5.6 3.7	-21.1 -16.8 9 -6.1 -12.1	15.3 28.8 122.4 122.9 121.9	19.4 33.9 121.8 125.1 135.0	-21.3 -14.9 .5 -1.8 -9.6	1.7 7.0 14.0 23.6 37.2	1.7 6.9 13.8 22.5 36.2	2 2.4 1.4 4.6 2.8
50,000 to 74,999 75,000 or more Not applicable ²	1.3 1.0 2.7	3.0 4.4 2.3	-57.6 -77.2 15.7	75.2 111.2 S	177.4 510.2 V	-57.6 -78.2 S	58.8 110.7 S	58.8 116.0 V	1 -4.6 S

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]

Estimates are based on data from the 2002 and 19	997 Verlicie iriver	itory and ose sur	veys. Decause	or rounding, estin	iales may not be	audilivej			
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
	Α	В	С	D	Е	F	G	Н	I
PRIMARY RANGE OF OPERATION									
Off-the-road	3.2 15.5 5.0 1.5 1.1	4.8 19.1 7.3 3.2 4.1	-33.6 -18.8 -31.9 -54.5 -73.7	48.2 230.3 90.5 35.5 42.9	47.6 271.7 185.1 122.5 272.1	1.3 -15.3 -51.1 -71.0 -84.2	15.0 14.8 18.1 24.3 40.1	9.9 14.2 25.3 38.2 66.8	52.5 4.3 -28.3 -36.3 -40.0
501 miles or more Not reported Not applicable ²	.8 5.4 2.7	3.0 2.3 N	–74.9 133.8 N	45.7 104.6 S	223.6 V N	–79.5 N N	60.5 19.5 S	74.2 V N	-18.4 N N
PRIMARY JURISDICTION									
Operated in Canada Operated in Mexico Operated within the home base state Operated in states other than the home base state	V V 26.8	N N N	N N N	V V 428.9 73.7	N N N	N N N	V V 16.0 70.5	N N N	N N N
Not reported	4.5 2.7	N N	N N	95.1 S	N N	N N	21.1 S	N N	N N
MONTHS OPERATED									
12 7 to 11 2 to 6 1 or less Vehicle not used	19.9 4.8 5.2 2.5 2.7	2222	N N N N	462.2 91.1 39.5 4.9 S	Z Z Z Z	N N N N N N N N N N N N N N N N N N N	23.2 19.1 7.6 1.9 S	N N N N	N N N N N
VEHICLE SIZE									
Light	7.2 7.4 7.3 13.1	10.0 9.2 5.3 19.4	-27.6 -19.4 37.5 -32.3	77.4 109.1 90.1 322.9	96.0 250.9 74.2 701.6	-19.3 -56.5 21.3 -54.0	10.7 14.7 12.4 24.6	9.6 27.3 14.1 36.2	11.5 -46.1 -11.7 -32.0
AVERAGE WEIGHT (POUNDS)									
Less than 6,001 6,001 to 8,500 . 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	1.7 2.0 3.5 4.1 1.6	2.6 N N 5.4 1.6	-35.1 N N -23.5 -2.0	15.6 19.5 42.4 59.5 26.4	21.1 N N 208.9 15.2	-26.4 N N -71.5 74.0	9.1 9.9 12.0 14.5 16.8	8.0 N N 38.9 9.5	13.5 N N -62.8 77.6
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	1.7 7.3 2.1 .9 2.1	2.2 5.3 2.6 1.7 3.3	-22.0 37.5 -21.6 -45.1 -36.7	23.2 90.1 27.7 16.3 33.9	26.8 74.2 45.1 31.0 84.3	-13.5 21.3 -38.5 -47.5 -59.8	13.4 12.4 13.4 17.6 16.3	12.1 14.1 17.1 18.4 25.7	10.9 -11.7 -21.5 -4.2 -36.4
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	2.3 5.3 .9 9	3.3 7.8 .6 S V	-29.0 -31.9 -54.4 S S	34.7 197.7 10.0 S S	109.2 367.8 62.8 S V	-68.2 -46.2 -84.0 S	14.9 37.2 35.7 S S	33.3 47.1 101.9 S V	-55.3 -21.0 -65.0 S
TOTAL LENGTH (FEET)									
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	12.3 9.6 4.3 2.2 .6	12.8 11.9 3.9 1.7 1.0	-3.4 -19.1 12.1 29.6 -37.6	156.0 111.2 77.9 47.8 12.6	264.3 156.0 50.7 28.0 21.0	-41.0 -28.7 53.6 70.8 -40.1	12.7 11.6 17.9 21.9 20.1	20.7 13.2 13.1 16.6 20.9	-38.9 -11.9 37.0 31.8 -3.9
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	.8 1.4 1.6 .9	.8 1.3 2.6 3.1 2.0	3.7 -39.6 -48.5 -46.4 -53.8	12.0 21.2 27.5 71.7 45.4	14.9 40.8 122.6 177.7 131.4	-18.9 -48.0 -77.6 -59.6 -65.4	14.8 26.0 20.3 43.7 48.4	18.9 30.2 46.7 58.1 64.7	-21.7 -14.0 -56.5 -24.7 -25.3
70.0 to 74.9	.3 S .1	1.0 N N	–71.8 N N	12.8 S S	69.6 N N	-81.6 N N	46.7 S S	71.7 N N	-34.8 N N
MILES PER GALLON									
Less than 5 5 to 6.9 7 to 8.9 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 21 to 24.9 25 or more Not reported Not applicable ²	3.4 6.8 4.6 5.3 2.4 1.1 1.9 V 9 6.9 2.7	5.6 11.8 6.1 5.4 1.7 1.3 3.7 3.7 8.2 N	-39.3 -42.2 -24.0 -1.1 38.6 -14.5 -50.5 -50.2 N S -16.3	67.4 183.0 79.0 66.0 26.3 10.4 27.3 27.3 V V 138.3 S	153.2 382.9 104.1 85.1 20.3 14.2 167.9 167.3 V S 195.0 N	-56.0 -52.2 -24.1 -22.5 29.5 -27.1 -83.7 -83.7 N S S	19.9 26.7 17.0 12.4 11.2 9.5 14.8 14.8 V V 20.1 S	27.5 32.3 17.0 15.9 12.0 11.1 44.9 45.0 V S 23.7 N	-27.5 -17.3 -22 -21.6 -6.6 -14.7 -67.1 -67.2 N S -15.2

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]

Estimates are based on data from the 2002 and 19	197 Venicie inven	itory and Use Sui	veys. Because o	or rounding, estim	nates may not be	additivej			
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
	Α	В	С	D	E	F	G	н	1
MODEL YEAR									
2003 2002 2001 2000 1999	V .6 2.2 2.1 2.5	N N N N N	N N N N N	V 36.7 77.5 65.2 57.1	N N N N	N N N N	V 57.6 35.7 30.4 23.1	N N N N	N N N N
1998 1997 1996 1995 1994 1993 Pre-1993	1.0 1.6 2.1 2.2 1.4 1.1 18.2	\$ 2.0 2.5 1.9 2.1 32.7	S -22.0 6.9 -12.3 -29.8 -46.8 -44.5	24.7 40.1 44.9 44.0 21.6 19.5 168.2	\$ 58.4 99.1 121.3 107.8 121.9 605.7	S -31.2 -54.7 -63.7 -79.9 -84.0 -72.2	23.7 25.8 21.1 20.1 15.8 17.1 9.3	\$ 29.2 49.7 48.7 55.3 56.9 18.5	S -11.8 -57.6 -58.6 -71.4 -70.0 -50.0
VEHICLE ACQUISITION									
New. Used Not reported	13.3 18.5 3.2	16.9 22.8 4.2	-21.6 -18.6 -22.5	301.4 238.7 59.5	565.8 371.9 185.0	-46.7 -35.8 -67.9	22.7 12.9 18.4	33.5 16.3 44.4	-32.0 -21.2 -58.5
LEASE CHARACTERISTICS									
Leased	2.9 1.9 1.8 8 V 1.0 .8 S S S S S 20.4 11.8	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	96.6 60.3 56.8 V 36.1 29.5 S S S 315.3 187.7	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	33.7 32.3 31.0 \$ V 36.5 37.0 \$ \$ \$ \$ 15.5	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
Length of leasing agreement: Leased	2.9 .2 2.7 S	N	N	96.6 S 89.6 S	N N N N	N N N N	33.7 S 33.6 S	2 2 2 2	N N N N
Provisions of lease ⁴ : Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	2.2 1.2 1.0 1.1 .6	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	73.2 43.7 38.4 39.9 24.6 5.7	N N N N N	N N N N N	33.8 35.2 38.3 35.0 43.4 28.0	N N N N N	N N N N N
PRIMARY OPERATOR CLASSIFICATION									
Private Motor carrier Owner operator Rental Personal transportation Not applicable ²	24.1 4.4 1.7 1.1 1.1 2.7	Z Z Z Z Z Z Z Z Z	Z Z Z Z Z Z Z Z Z	373.2 144.7 44.2 27.6 8.0 S	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	15.5 33.3 26.4 24.3 7.0 S	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁵ Type of service: Truckload Less-than truckload Not reported Not applicable ⁵ Source of hauls: Shippers or receivers Brokers Centralized markets or exchanges Other Not applicable ⁵	2.3 2.5 1.2 29.0 3.6 1.0 1.4 29.0 3.4 .3 .1 .1 .2 .2 .3 .2 .3	2 2 3.2 1.0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N N N 12.6 V N N N N N N N N N N	91.0 69.2 28.8 410.6 129.8 26.5 32.7 410.6 116.9 18.2 1.3 V 52.6 410.6	N N N 194.3 42.3 N N N N N N N N N N N	N N N N -33.2 -37.4 N N N N N N N N N N	40.1 27.1 23.9 14.2 36.2 25.6 23.3 14.2 34.7 59.9 15.3 V 23.2 14.2	N N N 61.0 40.9 N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
HAZARDOUS MATERIALS CARRIED ⁶									
Carrying hazardous materials Not carrying hazardous materials Not reported Not applicable ⁷	1.3 23.0 5.7 4.9	2.8 30.5 9.2 N	-52.0 -24.5 -37.6 N	50.0 410.3 101.8 37.5	95.1 694.8 305.6 N	-47.4 -40.9 -66.7 N	37.6 17.8 17.8 7.6	34.2 22.8 33.3 N	9.6 -21.7 -46.6 N
EQUIPMENT TYPE ⁴									
Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	.8 3.1 2.5 18.6 2.8	N 2.5 N 18.7 N	N 28.2 N -1.1 N	6.4 77.3 60.7 431.1 105.7	N 117.4 N 648.7 N	N -34.1 N -33.5 N	8.3 24.6 23.8 23.2 38.3	N 47.8 N 34.6 N	N -48.6 N -32.8 N

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]

		,	,	or rounding, eatin					
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
	А	В	С	D	Е	F	G	Н	ı
EQUIPMENT TYPE ⁴ —Con.									
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	8.4 .7 1.1 .7	4.8 N N N	73.6 N N N	222.7 12.4 43.4 8.4	143.9 N N	54.8 N N N -71.1	26.6 16.9 41.1 12.5	29.8 N N N	-10.8 N N
Electronic vehicle identification device Engine retarder/brake	.1 5.6	.4 6.0	–77.7 –7.5	9.7 174.0	33.4 318.8	-/1.1 -45.4	108.1 31.2	83.4 52.9	29.6 -41.0
Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.)	.4	V N	N N	32.3 22.7	V N	N N	V 14.7 63.0	V N	N N
Internet access	S	N	N	S	N	N	S	N	N
Lift gate	2.2 S S 9.7 20.8	N N .4 N 26.4	N N S N -20.9	29.6 S S 177.4 413.8	N N 40.4 N 712.2	N N S N -41.9	13.5 S S 18.3 19.9	N N 98.7 N 27.0	N N S N –26.5
Reflective material in addition to those required by law	3.5 8.0 12.0	7.2 9.6 N	–51.2 –16.5 N	79.0 218.1 226.4	218.5 349.3 N	-63.9 -37.5 N	22.5 27.3 18.9	30.5 36.5 N	-26.0 -25.2 N
Trip recorder or on-board computer with communication capabilities	.1	N	N	S	N	N	S	N	N
Trip recorder or on-board computer without communication capabilities	.8	N	N	19.7	N	N	25.3	N	N
Vehicle control aids for handicapped drivers	V V 2.9	V V N	N N N	V V 49.0	V V N	N N N	V V 17.0	V V N	N N N
Transmission type: Automatic. Manual Semiautomated manual Automated manual Not reported	10.4 21.0 S S S 3.6	N N N N	N N N N	160.0 351.7 S S 84.5	N N N N	N N N N	15.5 16.8 S S 23.5	N N N N	N N N N
Braking system: Hydraulic (standard) Hydraulic with power assist Air Other Not reported	9.8 7.9 13.3 V 4.0	7.8 10.1 17.1 .3 N	25.9 -22.0 -22.0 N N	106.6 101.8 303.0 V 88.1	72.2 105.4 636.4 S N	47.7 -3.4 -52.4 S N	10.8 13.0 22.8 V 21.9	9.2 10.5 37.3 S N	17.3 23.8 -38.9 S N
FUEL TYPE AND ENGINE SIZE									
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	11.0 20.7 S .5 V	15.6 24.8 N N	-29.8 -16.5 N N	111.4 475.5 S 7.7 V	246.4 788.8 N N	–54.8 –39.7 N N	10.1 23.0 S 16.6 V	15.8 31.8 N N	-35.6 -27.8 N N
Electricity Combination Other Not reported Not applicable ²	V S V V 2.7	N N N N N	N N N N N	V S V V S	N N N N	N N N N N	V S V V S	N N N N	N N N N
Cylinders ⁸ : 4 cylinders 6 cylinders 8 cylinders Other	.8 16.2 14.4 3.7	.7 15.8 17.7 9.7	19.6 2.2 -18.6 -62.2	16.2 398.1 157.6 27.7	14.8 624.5 353.7 129.8	9.2 -36.3 -55.4 -78.7	20.0 24.6 11.0 7.6	22.0 39.5 20.0 13.4	-8.7 -37.6 -45.2 -43.6
Cubic inch displacement ⁸ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 800 or 799 800 or more Not available Other fuel Less than 400 400 to rore Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not reported Not applicable ²	11.0 S S 5.5 5.4 3.3 1.6 20.7 3.0 7 3.8 2.0 7 3.8 5 5.4 20.7 3.0 5 5 5 5 7 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	15.6 S .4 S 6.0 4.5 24.8 3.8 4.3 5.4 4.3 5.1 6.1 .7 4 S S N N N N N N N N N N N N N N N N N	-29.8 S S -9.6 -27.4 -64.9 -16.5 -20.7 49.1 -13.2 -26.9 -66.3 1.2.2 -19.4 S N N	111.4 S 8.8 8.8 52.4 40.3 475.5 52.3 156.6 104.9 117.7 44.0 10.8 S V S	246.4 S S S 84.3 143.7 140.0 788.8 69.9 90.4 185.1 294.3 149.0 11.1 S S S N N	-54.8 S S S S -37.9 -71.9 -62.3 -39.7 -25.2 73.1 -43.3 -60.5 -2.2 S S S N N	10.1 \$ \$ 17.8 9.7 12.3 23.0 17.3 19.3 28.0 31.4 21.5 15.7 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.8 S S 14.1 31.9 3.1 31.8 16.6 42.8 57.3 24.6 16.2 S S N N	-35.6 S S S -31.3 -61.4 7.4 -27.8 -16.1 -34.7 -45.3 -12.5 -3.4 S S N N
REFUELING LOCATION									
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable ²	14.9 4.2 9.2 1.4 V 2.6 2.7	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	206.5 147.9 166.3 24.8 V 52.2	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	13.8 35.0 18.1 17.9 V 20.0 S	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N

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
	А	В	С	D	E	F	G	Н	I
MAINTENANCE ⁴									
General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	.5 13.7 9.5 2.8 .5	S 15.8 8.1 3.8 .4	S -13.0 18.4 -27.4 20.4	.8 272.5 199.1 88.8 10.0	S 440.2 195.1 148.8 19.4	S -38.1 2.1 -40.3 -48.4	1.6 19.9 20.9 32.0 19.8	S 27.9 24.2 38.9 46.2	S -28.9 -13.8 -17.7 -57.1
Individual not employed/paid by any maintenance type facility. Other Not reported Not applicable ²	7.0 V 2.5 2.7	13.1 S 8.3 N	-46.7 S -69.5 N	92.5 V 53.0 S	213.3 S 314.9 N	-56.6 S -83.2 N	13.3 V 21.0 S	16.3 S 37.9 N	-18.6 S -44.7 N
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	22.1 2.6 2.7 1.2 V	1.4 9.5 8.5 5.4 .2	1 438.4 -72.1 -68.7 -78.3 N	382.0 45.9 60.6 34.9 V	8.6 370.4 204.0 204.7 11.0	4 333.1 -87.6 -70.3 -82.9 N	17.3 17.3 22.8 29.7 V	6.0 39.1 23.9 37.8 47.3	188.2 -55.6 -5.0 -21.2 N
Component distributorship (engine, transmission, body, etc.). Individual not employed/paid by any repair type facility Other Not reported Not applicable ² .	.2 1.3 V S 2.7	1.5 2.5 .1 17.3 N	-85.9 -46.5 N S N	4.4 16.4 V S S	67.3 31.4 S 345.1 N	-93.5 -47.8 S S N	20.5 12.4 V S S	44.2 12.8 S 20.0 N	–53.7 –2.4 S S N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer 2 axles 3 axles 4 axles 5 axles or more.	27.2 23.3 3.5 .3 V	28.2 23.7 4.1 .4 N	-3.5 -1.6 -15.2 -4.3 N N	357.5 300.7 51.1 4.4 S V	472.1 408.2 58.8 5.1 N	-24.3 -26.3 -13.1 -12.2 N	13.1 12.9 14.6 12.9 S V	16.7 17.2 14.2 14.0 N	-21.5 -25.1 2.5 -8.2 N
Combinations Single-unit trucks with trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with single trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with double trailers 5 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles or more Not reported Truck-tractors with triple trailers 7 axles 8 axles 9 axles 9 axles 10 axles or more Not reported	7.8 1.6 4.9 9.3 8 6.1 5.77 4.5 8 8 V V V V V V V V V V V V V V V V V V	15.6 4.5 S 1.7 S N 11.0 .7 2.1 8.2 .1 S V N V V V V V V V	-50.2 -63.8 S -47.0 S N -44.6 -30.9 -66.2 -44.5 S S S S N N N N N N	242.1 22.5 6.0 12.9 3.6 8 217.1 6.3 19.2 183.7 8.0 \$ \$ V V V V V	650.7 91.1 S 23.0 64.9 N 554.5 11.1 93.1 450.3 S S S V V N V V V V	-62.8 -75.2 S -43.7 -94.5 N -60.8 -43.5 -79.3 -59.2 S S S N N N N N N	31.1 13.8 13.3 14.5 12.6 S 35.7 13.2 27.0 40.4 22.4 S S S V V V V V	41.7 20.2 S 13.7 S N 50.5 16.1 44.3 54.9 S S S V V N V V V V V V	-25.3 -31.6 6 9 6.3 8 N -29.3 -18.3 -18.9 -26.4 N S S S S N N N N N S S S N N N N N N
Driving axles: 1	24.2 10.7 S S	28.9 14.4 .5 V	-16.3 -25.5 S	325.1 271.8 S S	548.4 520.5 53.9 V	-40.7 -47.8 S S	13.4 25.4 S S	19.0 36.2 104.6 V	-29.2 -29.9 S S
Total liftable axles and locations ⁹ : None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis Not reported Not reported Total liftable axles and number of braking axles: None	34.2 .6 .2 .2 .3 .3 .V .V .S .S .V .V .S .S .S .S .S .S .S .S .S .S .S .S .S	12.8 .3 .N .N .N .N .S .N .N .N .N .N .N .N .N .N .N .N .N .N	168.1 127.0 N N N N S S N N N N N	587.4 8.5 8.5 8.5 9.4.1 .6 8.8 8.8 9.7 2.4	268.5 3.6 N N N N S N N N N N N	118.8 137.8 N N N N S S N N N N	17.2 13.5 S S 12.8 V V S S S V 18.1	21.0 12.9 N N N N S S N N N N	-18.4 4.7 N N N S S N N N N
None 1 0 braking 1 braking Not reported 2 or more 0 braking 1 braking 2 or more braking Not reported Not reported Not reported	34.2 .6 .5 .5 .5 V V V V V	12.8 .3 .N .N .S .N .N .N .N	168.1 127.0 N N N S S N N N N	587.4 8.5 S 7.0 S S V V V S	268.5 3.6 N N S S N N N N	118.8 137.8 N N S N N N N N	13.5 S 14.9 S V V V	21.0 12.9 N N S S N N N N	-18.4 4.7 N N N S N N N N

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
	Α	В	С	D	E	F	G	Н	I
CAB TYPE									
Conventional cab	32.0	31.9	.5	547.2	895.1	-38.9	17.1	28.1	-39.1
	2.3	N	N	100.6	N	N	43.8	N	N
	29.1	N	N	421.1	N	N	14.5	N	N
	.6	N	N	25.6	N	N	39.5	N	N
Cab over engine With sleeper Without sleeper. Not reported	2.8	3.8	–25.5	51.8	86.9	-40.4	18.3	22.8	-20.0
	.2	N	N	3.7	N	N	16.5	N	N
	2.5	N	N	43.3	N	N	17.3	N	N
	.1	N	N	4.8	N	N	46.1	N	N
Cab forward of engine	S	1.3	S	S	9.9	S	S	7.9	S
	S	S	S	S	S	S	S	S	S
	S	N	N	S	N	N	S	N	N

N Not available. miles, or 0.05 percent. 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

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.

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.

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.

⁵Distributed 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.

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
	А	В	С	D	Е	F	G	Н	I
Total	1.3	3.5	3.0	3.2	4.7	3.0	3.1	4.0	3.4
BUSINESS									
For-hire transportation or warehousingVehicle leasing or rental Agriculture, forestry, fishing, or hunting Mining. Utilities	9.9	23.3	13.8	9.6	11.2	6.3	7.3	14.0	12.3
	20.8	12.3	6.9	23.2	16.3	3.1	14.7	11.3	7.1
	11.5	9.9	9.0	17.0	14.5	8.5	14.1	14.1	12.8
	10.7	11.0	15.0	12.4	12.5	15.1	9.3	10.5	12.3
	14.5	18.2	39.4	19.2	25.0	57.6	14.0	14.8	22.0
Construction Manufacturing Wholesale trade Retail trade Information services	6.6	6.1	6.0	8.7	7.6	7.6	6.1	6.5	8.7
	20.5	18.4	13.4	22.6	19.7	7.0	17.4	18.8	12.4
	15.0	11.6	10.4	16.5	12.6	8.3	10.7	9.7	10.6
	12.2	13.4	15.2	15.5	17.5	14.6	11.8	13.0	13.1
	44.1	N	N	46.1	N	N	13.3	N	N
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable ¹	17.0 43.0 40.8 20.4 21.1 10.6 12.6	N N N 19.9 N 14.4	N N N 18.6 N 19.6	21.6 \$ 45.2 24.0 29.3 13.0 \$	N N N 31.7 N S	N N N N 42.7 N S	17.8 S 22.0 13.9 20.0 10.1 S	N N N 24.7 N S	N N N 49.1 N S
BODY TYPE									
Single-unit trucks Armored Beverage Concrete mixer Concrete pumper Crane	1.8	4.7	4.4	4.2	8.6	6.4	3.8	6.8	6.0
	S	N	N	S	N	N	S	N	N
	43.1	S	S	S	S	S	S	S	S
	11.7	14.0	19.4	17.5	16.3	27.7	10.2	8.4	14.3
	42.6	N	N	S	N	N	S	N	N
	41.3	22.9	10.7	S	34.7	S	S	29.5	S
Curtainside Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe	N	N	N	N	N	N	N	N	N
	10.5	10.4	12.7	14.0	11.8	13.2	12.1	10.8	13.6
	7.1	7.3	8.2	10.9	11.0	15.2	8.4	8.7	14.7
	S	33.9	S	S	S	S	S	S	S
	35.2	39.8	219.3	S	S	S	S	S	S
Service, utility Service, other Street sweeper Tank, dry bulk Tank, liquids or gases	15.3	21.5	51.1	20.5	31.4	69.2	13.6	20.6	23.6
	12.6	16.7	25.8	16.0	21.2	52.5	9.8	13.3	26.4
	N	N	N	N	N	N	N	N	N
	S	S	S	S	S	S	S	S	S
	13.4	14.7	21.0	19.2	21.4	19.5	13.4	15.3	13.0
Tow/Wrecker. Trash, garbage, or recycling. Vacuum Van, basic enclosed. Van, insulated nonrefrigerated.	23.4	35.4	74.5	37.2	46.1	177.6	28.7	25.8	65.9
	19.7	40.9	117.7	21.0	44.0	110.8	14.6	31.3	30.3
	39.3	N	N	38.3	N	N	34.6	N	N
	11.6	19.7	50.8	14.8	21.9	42.2	9.8	13.7	12.1
	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated Van, open top Van, step, walk-in, or multistop Van, other Other	35.9 35.8 14.8 32.5 S	34.5 27.5 10.8 N	33.5 32.9 8.1 N	42.1 S 19.5 41.3 S	36.3 45.3 17.9 N	41.6 S 4.1 N	26.0 S 12.6 29.7 S	18.9 45.3 14.6 N	35.7 S 6.7 N N
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	3.9	3.2	3.0	5.6	4.3	2.8	5.4	3.6	4.3
	S	34.2	S	S	44.9	S	S	29.1	S
	26.8	34.2	105.3	28.3	44.5	91.4	26.1	28.5	27.6
	N	N	N	N	N	N	N	N	N
	7.7	12.8	20.5	11.2	15.1	21.3	8.1	11.5	11.7
	11.6	9.6	6.9	15.7	11.2	8.0	12.7	8.5	13.7
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	26.5	23.3	19.0	\$	30.6	\$	\$	19.8	S
	20.7	13.1	7.3	33.6	22.3	7.0	26.9	18.1	18.8
	S	N	N	\$	N	N	\$	N	N
	20.7	19.3	17.8	28.5	29.7	31.9	19.6	23.3	37.5
	47.9	30.8	19.1	\$	35.5	\$	\$	19.6	S
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	42.9 10.6 17.5 S N	29.1 14.5 8.9 9.7 S	16.7 17.6 8.7 S	\$ 15.3 16.0 \$ N	32.0 19.8 9.8 10.8 S	\$ 23.4 4.1 \$ \$	S 11.0 15.3 S N	13.2 11.1 6.2 5.6 S	\$ 14.9 8.2 \$ \$ \$
Van, insulated refrigerated Other Not applicable ²	23.0	20.0	16.4	28.6	24.2	16.9	17.1	13.7	18.4
	S	N	N	S	N	N	S	N	N
	22.7	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	6.2	6.3	6.9	8.0	8.0	8.9	5.5	5.5	7.8
5,000 to 9,999	9.3	10.0	11.3	9.5	10.2	11.8	2.0	2.2	3.0
10,000 to 19,999	6.2	7.1	9.4	6.4	7.3	9.7	1.5	1.5	2.2
20,000 to 29,999	8.5	25.8	25.5	8.5	23.2	24.3	1.0	3.0	3.3
30,000 to 49,999	10.2	9.4	12.2	10.1	9.2	12.3	1.3	1.5	2.1
50,000 to 74,999	13.6	9.1	7.0	13.5	8.8	6.8	1.3	1.2	1.8
75,000 or more	10.3	7.8	3.0	10.8	8.8	3.0	3.3	2.1	3.7
Not applicable ¹	12.6	15.2	22.8	S	N	S	S	N	S

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]

and I show estimated standard errors							2002 average	1997 average	
Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	miles per truck	miles per truck	Percent change
	А	В	С	D	E	F	G	Н	1
PRIMARY RANGE OF OPERATION									
Off-the-road . 50 miles or less . 51 to 100 miles . 101 to 200 miles . 201 to 500 miles .	11.0 4.1 8.3 15.7 16.9	9.8 4.1 19.8 10.9 11.0	9.8 4.7 14.6 8.7 5.3	14.9 5.9 10.3 16.0 17.2	14.2 6.2 16.6 11.3 14.7	20.9 7.2 9.5 5.7 3.6	12.3 4.5 7.1 10.8 17.0	12.3 5.3 7.3 8.6 10.0	26.5 7.2 7.3 8.8 11.8
501 miles or more Not reported Not applicable	17.7 8.3 12.6	8.2 15.2 N	4.9 40.4 N	16.4 9.8 S	8.2 N N	3.8 N N	14.4 7.5 S	5.7 N N	12.6 N N
PRIMARY JURISDICTION									
Operated in Canada	N N 2.3 14.6 9.0 12.6	N N N N N	N N N N N	N N 3.9 13.4 10.5 S	N N N N N N N N N N N N N N N N N N N	N N N N N	N N 3.4 10.7 7.6 S	N N N N N	N N N N N
MONTHS OPERATED									
12	3.3 8.2 8.1 12.9 12.6	N N N N	N N N N	4.1 9.9 13.7 22.2 S	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N N N N N N N N N N N N N N N N N N N	3.1 8.0 12.1 20.4 S	N N N N	N N N N N N N N N N N N N N N N N N N
VEHICLE SIZE									
Light	7.4 7.2 7.4 3.3	7.1 7.3 10.1 7.4	7.4 8.3 17.2 5.5	11.1 10.2 10.7 4.6	11.6 15.1 15.3 5.3	12.9 7.9 22.7 3.2	8.3 7.4 7.7 4.3	9.2 13.5 12.1 4.6	13.8 8.3 12.7 4.3
AVERAGE WEIGHT (POUNDS)									
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	17.0 15.7 11.4 10.3 16.9	16.1 N N 10.2 19.0	15.2 N N 11.1 25.0	24.5 23.8 15.6 14.0 22.2	26.5 N N 18.0 26.0	26.6 N N 6.5 59.5	18.0 18.2 10.7 9.5 15.1	21.1 N N 15.2 21.9	31.5 N N 6.7 47.2
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	16.7 7.4 15.0 17.6 9.6	17.2 10.1 12.2 10.4 7.8	18.7 17.2 15.2 11.2 7.8	24.2 10.7 21.3 28.3 13.9	23.3 15.3 16.5 15.6 12.7	29.1 22.7 16.6 17.0 7.6	17.8 7.7 15.7 20.0 10.4	16.3 12.1 12.3 12.1 11.4	26.8 12.7 15.6 22.4 9.8
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	9.7 3.7 20.3 S S	42.0 3.9 15.3 S N	30.6 3.7 11.6 S S	15.6 6.0 27.6 S	26.6 5.7 17.7 S N	9.8 4.4 5.2 S S	11.7 5.3 19.2 S S	18.0 3.9 9.7 S N	9.6 5.2 7.5 S S
TOTAL LENGTH (FEET)									
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	5.0 5.9 9.0 13.1 18.9	5.9 6.0 10.5 13.8 18.6	7.5 6.8 15.5 24.7 16.5	8.0 8.8 12.1 14.3 21.8	14.4 9.0 14.3 20.6 25.0	9.7 9.0 28.7 42.8 19.9	6.3 6.6 8.4 10.9 15.0	13.2 7.6 9.5 14.9 18.4	8.9 8.9 17.4 24.4 22.8
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	20.5 14.4 12.0 8.9 12.0	20.7 13.9 7.7 7.3 8.3	30.2 12.1 7.3 6.2 6.7	24.2 21.6 15.2 11.9 15.0	24.4 15.3 10.6 9.4 10.4	27.9 13.8 4.2 6.1 6.3	20.5 13.1 12.0 9.9 11.4	23.4 13.5 6.5 6.5 6.1	24.3 16.2 5.9 8.9 9.7
70.0 to 74.9 75.0 to 79.9 80.0 or more	20.7 S 39.1	12.5 N N	6.8 N N	27.1 S S	15.4 N N	5.7 N N	17.8 S S	8.8 N N	12.9 N N
MILES PER GALLON									
Less than 5 5 to 6.9 7 to 8.9 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 21 to 24.9 25 or more Not reported Not applicable¹	7.9 5.9 9.2 8.8 14.1 20.9 16.1 N N 7.2 12.6	6.4 12.4 9.1 10.0 19.3 23.1 13.2 13.3 N S 6.9 N	6.2 7.9 9.9 13.1 26.6 10.3 10.4 N S 8.4	10.2 7.2 12.2 12.3 19.2 29.0 20.5 N N 8.4 S	8.7 8.9 11.1 12.8 23.1 29.0 22.2 22.3 N S S 8.5 N	5.9 5.5 12.5 13.7 38.8 29.9 4.9 4.9 N S 8.5 N	8.9 6.4 7.7 8.8 13.2 21.1 12.7 12.7 N N 5.9 S	7.9 6.8 9.1 10.3 16.1 19.5 17.6 17.6 N S 7.9	8.6 7.7 11.9 10.6 19.4 24.5 7.1 7.1 N S 8.4 N

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]

and i show estimated standard errorsj									
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
	А	В	С	D	Е	F	G	Н	1
MODEL YEAR									
2003 2002 2001 2000 1999	N 22.9 13.3 13.6 12.7	2 2 2 2 2 2	N N N N	N 20.9 12.8 14.1 12.7	N N N N	X X X X X	N 15.4 8.7 9.2 8.3	N N N N	N N N N
1998	19.5 15.4 13.2 13.1 16.6 16.6 3.6	\$ 15.0 14.7 13.1 13.0 14.2 4.8	\$ 16.8 21.1 16.2 14.8 11.6 3.3	21.3 17.7 14.1 15.4 19.5 19.2 6.4	S 14.4 16.8 14.7 11.9 17.9 7.4	S 15.7 9.9 7.7 4.6 4.2 2.7	13.8 11.8 9.7 8.8 16.8 13.3 5.6	S 11.3 14.5 11.6 8.6 13.3 5.5	S 14.4 7.4 6.0 5.4 5.6 3.9
VEHICLE ACQUISITION									
New	4.6 3.5 10.9	4.5 6.9 8.6	5.1 6.3 10.7	5.7 5.5 12.9	7.7 8.6 8.7	5.1 6.6 5.0	4.3 4.9 9.3	6.6 4.5 8.1	5.3 5.3 5.1
LEASE CHARACTERISTICS									
Leased Lessee Vehicle only Vehicle with driver Not reported Lessor Vehicle with driver Not reported	11.3 14.1 14.4 5 N 19.9 22.5 S S S S S S	2222222222	22222222	11.8 15.4 16.0 S N 18.9 19.4 S S S S 4.9 6.8	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N	8.8 12.1 12.5 S N 12.4 12.3 S S S 4.2 5.5	N N N N N N N N N N N N N N N N N N N	2
Length of leasing agreement: Leased	11.3 44.2 11.8 S	N N N	N N N N	11.8 S 12.0 S	N N N	N N N	8.8 S 9.0 S	N N N	N N N N
Provisions of lease: Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	13.0 18.1 19.1 18.5 25.2 47.7	Z Z Z Z Z Z	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	13.4 17.1 18.0 17.9 21.3 45.5	N N N N N	N N N N N N N N N N N N N N N N N N N	10.7 10.9 12.5 11.0 14.5 22.3	N N N N N	X X X X X X X X X X X X X X X X X X X
PRIMARY OPERATOR CLASSIFICATION									
Private Motor carrier Owner operator Rental Personal transportation Not applicable 1	2.6 8.2 11.0 19.0 21.1 12.6	N N N N N N N N N N N N N N N N N N N	N N N N N	4.4 8.6 13.0 21.8 29.3 S	N N N N N	N N N N N	3.8 6.5 11.2 14.1 20.0 S	N N N N N	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ³ Type of service:	9.7 10.9 17.3 2.0	N N N N	N N N N	10.5 12.1 19.2 4.2	N N N N	N N N	8.4 9.0 12.1 3.8	N N N	N N N N
Truckload Less-than truckload Not reported Not applicable ³ Source of hauls:	7.1 20.2 17.0 2.0	6.9 16.3 N N	11.1 25.9 N N	8.4 20.5 18.7 4.2	7.9 16.4 N N	7.7 16.4 N N	6.9 13.0 12.0 3.8	4.8 9.5 N N	5.0 10.1 N N
Shippers or receivers Brokers Centralized markets or exchanges Other Not reported Not applicable ³	8.8 19.7 36.2 N 12.0 2.0	N N N N N	2 2 2 2 2 2	9.2 26.3 38.8 N 13.7 4.2	N N N N N	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	7.4 17.3 15.8 N 8.9 3.8	N N N N N	N N N N N
HAZARDOUS MATERIALS CARRIED ⁴									
Carrying hazardous materials	16.3 2.8 8.1 9.0	12.4 2.6 6.9 N	9.8 2.9 6.6 N	16.2 4.2 9.8 17.4	12.8 3.7 12.9 N	10.9 3.3 5.4 N	12.4 3.6 7.2 15.4	10.2 3.6 11.0 N	17.6 4.0 7.0 N

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]

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
	Α	В	С	D	Е	F	G	Н	1
EQUIPMENT TYPE									
Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	25.6 11.2 10.4 3.4 6.9	N 12.0 N 8.2 N	N 21.1 N 8.8 N	38.3 12.4 12.3 4.4 9.4	N 11.2 N 5.8 N	N 11.0 N 4.8 N	29.0 8.3 9.2 3.6 8.1	N 10.9 N 4.8 N	N 7.0 N 4.0 N
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	6.1 24.9 15.2 26.0 36.2	9.7 N N N 26.3	19.9 N N N 10.0	6.8 30.6 16.6 29.9 40.9	10.0 N N N 25.8	18.7 N N N 14.0	5.4 17.3 14.2 16.8 18.3	8.9 N N N 22.5	9.3 N N N 37.6
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.) Internet access	5.2 N 13.6 22.3 S	4.5 N N N	6.4 N N N	6.9 N 18.4 26.8 S	6.1 N N N	5.0 N N N	6.2 N 13.9 20.7 S	4.4 N N N	4.5 N N N
Lift gate	14.0 S S 5.2 3.1	N N 30.6 N 6.0	N N S N 5.3	16.7 S S 6.9 4.4	N N 25.2 N 5.3	N N S N 4.0	9.7 S S 5.8 3.7	N N 26.7 N 3.8	N N S N 3.9
Reflective material in addition to those required by law. Road speed governor Toolbox Trip recorder or on-board computer with communication capabilities. Trip recorder or on-board computer without communication capabilities.	9.3 6.0 5.0 42.9 18.4	6.9 5.4 N N	5.7 6.7 N N	10.8 6.7 6.7 S 23.4	7.3 6.0 N N	4.7 5.6 N N	8.8 5.2 5.5 S	6.7 5.7 N N	8.2 5.7 N N
Vehicle control aids for handicapped drivers Wheelchair lift	N N 12.5	N N N	N N N	N N 17.0	N N N	N N N	N N 12.8	N N N	N N N
Transmission type: Automatic. Manual Semiautomated manual Automated manual Not reported	5.7 3.1 S S 10.2	Z Z Z Z Z	N N N N	7.6 4.7 S S 11.5	2	N N N N N N N N N N N N N N N N N N N	5.4 4.3 S S 8.5	2	N N N N N
Braking system: Hydraulic (standard). Hydraulic with power assist Air Other Not reported	6.0 7.0 3.6 N 9.8	8.3 7.0 2.7 49.5 N	12.9 7.7 3.5 N N	9.6 10.1 5.0 N 11.2	13.2 10.8 3.6 S N	24.1 14.2 2.9 S N	7.6 7.5 4.4 N 7.9	10.5 8.5 3.6 S N	15.2 14.0 3.5 S N
FUEL TYPE AND ENGINE SIZE									
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	5.5 3.0 S 33.2 N	4.9 6.1 N N	5.2 5.7 N N	8.6 4.0 S 45.0 N	15.2 4.7 N N N	7.9 3.7 N N	6.6 3.3 S 30.3 N	14.4 3.7 N N	10.2 3.6 N N N
Electricity . Combination . Other . Not reported . Not applicable ¹	N S N N 12.6	N N N N N	N N N N	N S N N S	N N N N	N N N N	N S N N S	N N N N	N N N N
Cylinders ⁶ : 4 cylinders 6 cylinders 8 cylinders Other	15.2 3.5 4.4 10.3	20.3 9.3 4.4 5.9	30.4 10.1 5.0 4.5	17.2 4.4 7.8 16.2	20.3 5.9 11.0 9.0	29.1 4.7 6.0 4.0	12.7 3.6 6.5 12.6	14.4 5.6 10.2 8.5	17.5 4.1 6.6 8.6
Cubic inch displacement ⁶ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 800 or more Not available Other fuel Less than 400 400 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not applicable¹	5.5 S S 32.8 8.9 12.1 17.9 3.0 11.4 6.8 5.0 5.8 11.1 26.3 39.0 45.1 S N 12.6	4.9 S 42.4 S 10.0 11.8 11.4 6.1 37.0 9.5 5.4 4.7 5.5 30.4 40.9 S S N N N N N N N N N N N N N N N N N	5.2 S S 12.1 12.3 7.4 5.7 30.7 17.3 6.4 4.2 40.7 45.5 S S N N	8.6 S S 38.7 11.9 16.8 30.8 4.0 13.5 8.8 7.8 8.4 13.9 37.9 45.1 S N S	15.2 S S S 23.8 22.7 27.0 40.6 12.3 7.7 6.3 8.5 43.3 S S S N N	7.9 S S S 16.5 7.9 15.4 32.0 26.2 4.2 4.2 4.8 56.3 S S N N	6.6 S S 20.5 8.3 11.6 25.0 3.3 8.0 5.7 6.2 7.5 12.2 27.0 S 8.0 S 7.5 12.5 27.0 S 8.0 S 7.5 12.5 27.0 S 8.0 S 8.0 S 7.5 8.0 S 8.0 8 8 S 8.0 S 8.0 S 8.0 S 8 8 S 8 8 S 8 8 S 8 8 S 8 8 8 8 8 S 8	14.4 S S S 21.5 19.2 24.1 3.7 8.3 5.7 4.6 7.4 29.8 S S S N N	10.2 S S S 15.9 8.7 37.3 3.6 10.8 11.7 5.5 4.8 12.5 38.9 S S N N N N N N N N N N N N N N N N N

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]

and I show estimated standard errors]		T				I	I	I	
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
	А	В	С	D	E	F	G	Н	1
REFUELING LOCATION									
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable¹	4.3 7.6 5.6 16.1 N 12.1 12.6	N N N N N	22 2 222	6.3 8.4 7.2 19.0 N 15.1 S	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	4.9 6.9 5.7 11.6 N 10.7 S	X	2
MAINTENANCE									
General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	30.4 4.3 5.8 11.5 30.9	\$ 4.5 7.4 10.5 25.5	\$ 5.4 11.1 11.3 48.2	46.3 5.7 6.9 11.7 32.9	S 7.8 8.4 9.7 27.9	\$ 6.0 11.1 9.1 22.2	43.5 4.5 5.3 9.1 15.7	S 6.9 7.3 9.2 24.9	S 5.9 7.8 10.6 12.6
Individual not employed/paid by any maintenance type facility . Other . Not reported	7.1 N 12.5 12.6	11.7 S 6.9 N	7.3 S 4.3 N	9.7 N 15.2 S	14.5 S 9.8 N	7.6 S 3.0 N	8.3 N 10.8 S	6.8 S 8.4 N	8.7 S 7.6 N
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	2.9 11.4 11.0 17.7 N	21.0 6.0 17.2 8.1 26.9	325.5 3.6 6.4 4.2 N	4.5 14.9 12.7 18.0 N	42.9 9.3 15.1 8.1 31.4	1 911.9 2.2 5.9 3.4 N	3.8 10.6 9.5 14.7 N	38.9 7.9 6.4 7.2 16.9	112.7 5.8 10.8 12.9 N
Component distributorship (engine, transmission, body, etc.). Individual not employed/paid by any repair type facility. Other Not reported Not applicable¹	45.4 18.2 N S 12.6	14.9 13.8 43.6 4.5 N	6.7 12.2 N S N	45.8 22.9 N S S	14.5 17.9 S 8.8 N	3.1 15.2 S S N	21.2 18.1 N S S	13.1 17.6 S 8.0 N	11.5 24.6 S S N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer. 2 axles 3 axles 4 axles 5 axles or more Not reported	2.0 2.3 5.3 17.2 47.7 N	2.7 3.1 6.9 21.5 N	3.2 3.8 7.4 26.4 N N	4.4 5.1 9.6 18.7 S N	8.3 9.5 11.1 24.4 N N	7.1 7.9 12.8 27.0 N N	4.0 4.5 8.0 7.3 S N	7.9 9.0 8.7 11.6 N	6.9 7.6 12.1 12.5 N N
Combinations Single-unit trucks with trailer. 3 axles 4 axles. 5 axles or more Not reported Truck-tractors with single trailer. 3 axles 4 axles. 5 axles or more Not reported Truck-tractors with double trailers. 5 axles 6 axles. 7 axles 8 axles or more Not reported Truck-tractors with triple trailers. 7 axles 8 axles or more Not reported Truck-tractors with triple trailers. 7 axles 8 axles 9 axles 10 axles or more Not reported	4.6 16.6 32.6 24.1 31.3 5 4.0 29.3 19.8 3.6 22.7 47.9 S N N N N N	9.3 31.3 S 18.3 S N 3.2 18.1 11.6 3.5 N 39.6 S 48.5 S N N N N N N N N N N N N N N N N N N	5.2 12.8 16.0 2.9 23.8 2.8 2.8 2.8 30.8 80.8 80.8 80.8 80.8 80.8 80.8 80	5.4 20.6 34.1 31.3 31.4 5.6 38.3 20.8 6.4 27.8 S S S N N N N N N	5.7 31.7 \$6.8 43.4 N 4.4 20.5 14.8 4.7 N S S S S N N N N	2.9 9.44 \$23.2 2.9 N 2.8 24.5 5.3 3.2 N \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5.2 13.9 25.2 19.7 24.9 \$ 5.3 26.7 19.1 5.3 24.4 8 \$ S N N N N N N	5.8 8.44 S 20.4 S N 3.6 16.7 9.7 3.8 N S S S N N N N N N N N N N N N N N N	5.8 11.1 30.2 S N 4.5 25.7 13.1 4.8 N S S S S N N N N N N N N N N N N N N
Driving axles: 1 2 3 or more Not reported	2.3 3.3 S S	5.4 3.3 16.6 N	4.9 3.5 S S	4.9 4.8 S S	8.9 4.2 20.3 N	6.0 3.3 S S	4.3 4.6 S S	7.0 3.9 14.2 N	5.8 4.2 S S
Total liftable axles and locations: None	1.4 20.2 47.2 5 17.9 47.7 47.7 47.7 S S N 28.7	5.3 34.9 N N N N N N N N N N N N N N N N N N N	14.8 91.4 N N N N S N N N N N N N N N N N N N N	3.3 29.1 5 5 19.5 49.8 5 5 5 8 8 8 8 8	6.3 33.1 N N N N S N N N N N N N N N N N N N N	15.6 104.8 N N N N S S N N N N	3.1 21.9 S S 7.8 14.4 S S S S S N N 38.1	6.0 26.5 N N N N S N N N N	5.5 36.0 N N N N S N N N N N

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
	А	В	С	D	Е	F	G	Н	1
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles: None	1.4 20.2 S 20.9 S 47.7 N N 47.7 N 28.7	5.3 34.9 N N S S N N N N	14.8 91.4 N N S S N N N N	3.3 29.1 S 33.9 S S N N N 47.4	6.3 33.1 N N N S S N N N N	15.6 104.8 N N N S S N N N N	3.1 21.9 S 23.6 S S N N N S N	6.0 26.5 N N S S N N N N	5.5 36.0 N N S N N N N N N N
CAB TYPE									
Conventional cab	1.6 6.9 1.8 15.2	2.5 N N N	3.0 N N N	3.5 9.4 4.1 17.5	4.9 N N N	3.7 N N N	3.3 7.7 3.7 13.5	4.7 N N N	3.5 N N N
Cab over engine With sleeper Without sleeper. Not reported	8.5 22.4 9.4 33.9	9.3 N N N	9.4 N N N	11.4 43.2 12.1 46.8	10.9 N N N	9.4 N N N	8.9 36.2 9.2 31.8	9.2 N N N	10.3 N N N
Cab forward of engine	S S S	22.9 S N	S S N	S S S	30.5 S N	S S N	S S S	22.5 S N	S S N

N Not available. miles, or 0.05 percent. 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

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]

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey.		9,,	Vehicle	size		Coefficient of
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
Total Coefficient of variation (percent) BUSINESS ¹	741.9 1.0	689.8 1.4	31.7 19.3	7.3 7.4	13.1 3.3	X X
For-hire transportation or warehousing Vehicle leasing or rental Agriculture, forestry, fishing, or hunting Mining Utilities	4.9 S 15.7 9.5 7.1	.5 S 11.6 6.9 S	\$ 3 \$ 6 .6	.5 .3 .6 .5	1.6 .4 1.1 1.5 .5	33.7 S 28.8 34.0 39.5
Construction Manufacturing Wholesale trade Retail trade Information services	32.9 .8 6.6 23.5 S	23.7 S S 21.5 S	\$ \$ \$.7 V	1.4 S .5 .6 S	3.4 .5 .7 .8 V	19.2 20.5 42.5 24.4 S
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable ² BODY TYPE	1.1 S S 17.0 584.3 11.6 17.1	.3 S S 16.5 567.6 9.0 14.9	.2 S S .2 16.4 .7 .5	\$ \$ \$ \$ 8 1.1	.5 S S .2 S 1.2 .6	17.0 S S 29.4 2.4 30.9 27.9
Single-unit trucks Pickup Minivan Other light vans Sport utility Armored	735.3 418.5 63.7 24.1 200.7	689.8 397.4 63.7 24.1 197.5 V	31.7 21.1 V V S S	6.9 V V V S	6.9 V V V S	1.0 1.5 14.1 24.6 5.2 S
Beverage Concrete mixer Concrete pumper Crane Curtainside	.2 .9 .1 .3 V	V S V V	S V V V	S V V S V	S .8 .1 S V	43.1 11.7 42.6 41.3 N
Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe Service, utility	3.0 7.6 S .4 2.1	\$ 2.2 V V .7	.3 2.5 S S	.9 1.7 V S .6	1.6 1.2 V S S	10.5 7.1 S 35.2 15.3
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	3.0 V S 2.2 .9	1.5 V V S .4	.8 V V S .3	.6 V V .8 .2	S V S 1.3 V	12.6 N S 13.4 23.4
Trash, garbage, or recycling. Vacuum Van, basic enclosed Van, insulated nonrefrigerated Van, insulated refrigerated	.6 .2 3.2 S .3	V V .7 V S	S V 1.1 S .2	S S 1.1 V S	.5 .1 .3 S S	19.7 39.3 11.6 S 35.9
Van, open top Van, step, walk-in, or multistop Van, other Other	.3 2.2 .5 S	1.2 S V	V .8 S V	.2 .3 V V	8888	35.8 14.8 32.5 S
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	6.6 S .3 V 1.6 1.1	V V V V	V V V V	.3 V V V S S	6.2 S .3 V 1.6 1.1	3.9 S 26.8 N 7.7 11.6
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	.2 .3 S .3 .1	V V V V	V V V V	V V V V	.2 .3 S .3 .1	26.5 20.7 S 20.7 47.9
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	.1 1.0 1.0 S V	V V V	V V V V	V V S V V	.1 1.0 .9 S V	42.9 10.6 17.5 S N
Van, insulated refrigerated	.2 S .4	V V	V V	V V .2	.2 S .2	23.0 S 22.7
ANNOAL WILES Less than 5,000 5,000 to 9,999 10,000 to 19,999 20,000 to 29,999 30,000 to 49,999	145.2 158.5 308.8 59.9 29.1	133.9 152.1 299.2 50.7 21.2	6.6 S 5.0 6.3 5.8	1.8 .5 2.0 1.2 .5	3.0 1.7 2.6 1.7 1.5	9.2 8.8 5.4 15.1 21.8
50,000 to 74,999 75,000 or more Not applicable ² PRIMARY RANGE OF OPERATION	22.3 1.0 17.1	17.8 V 14.9	S S .5	S V 1.1	1.0 1.0 .6	25.6 10.3 27.9
Off-the-road	19.3 439.3 66.1 23.9 22.1	15.2 421.0 57.3 17.8 18.0	\$ 10.3 5.7 \$ \$.6 2.9 .7 .4 S	1.2 5.1 2.3 .6 .5	26.0 3.9 14.4 24.8 25.9
501 miles or more Not reported Not applicable ²	13.6 140.6 17.1	12.8 132.8 14.9	V S .5	S 1.3 1.1	.7 2.1 .6	33.2 9.5 27.9

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

Inousands. Estimates are based on data from the 2002 Vehicle inventory and Use Surve	y. Decause of four	laing, estimates ma	Vehic	e size		Coefficient of
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
PRIMARY JURISDICTION Operated in Canada. Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable ²	S S 585.7 23.5 110.8 17.1	S S 543.8 20.8 105.5 14.9	V V 27.1 S S .5	V V 5.0 S 1.1 1.1	V V 9.8 .9 1.8 .6	\$ \$ 2.6 25.2 10.9 27.9
MONTHS OPERATED 12	535.3 93.1 69.6 26.7 17.1	500.2 85.7 63.8 25.1 14.9	23.9 S S .4 .5	3.9 .9 .8 .5 1.1	7.3 2.2 2.3 .7 .6	3.0 12.0 13.9 22.9 27.9
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	532.7 122.7 34.5 21.9 6.5	532.7 122.7 34.5 N	N N N 21.9 6.5	N N N N	N N N N N	2.9 10.4 19.9 24.1 43.2
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	3.3 7.3 2.1 .9 2.1	N N N N N	3.3 N N N N	N 7.3 N N	N N 2.1 .9 2.1	49.0 7.4 15.0 17.6 9.6
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	2.3 5.3 .3 S	N N N N N	N N N N	N N N N	2.3 5.3 .3 S S	9.7 3.7 20.3 S S
TOTAL LENGTH (FEET) Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	625.8 61.0 36.7 3.8 S	608.6 48.0 29.6 S	13.5 7.2 S .5 S	2.3 3.2 1.3 .3 V	1.4 2.6 1.7 1.1 .6	2.1 14.4 19.1 43.1 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	S S 1.4 1.6 .9	V V V V	\$\$ V V	.2 V V V	.6 .8 1.4 1.6 .9	S S 12.0 8.9 12.0
70.0 to 74.9	.3 S .1	V V V	V V V	V V V	.3 S .1	20.7 S 39.1
Less than 5 5 to 6.9 7 to 8.9 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 21 to 24.9 25 or more Not reported Not applicable ²	3.4 10.1 20.8 39.2 53.8 52.5 399.7 292.3 59.3 48.1 145.3 17.1	2 S 12.4 33.7 49.3 48.6 387.4 283.2 57.7 46.5 139.6 14.9	.3 .6 5.7 3.4 S S 11.9 8.7 S S S 1.8	.3 1.0 1.4 1.1 .4 \$ \$ \$ V V V.1.7	2.6 4.9 1.3 .9 .2 S .3 .3 V V V.1 .6	7.9 22.9 24.2 18.3 16.3 16.7 4.3 5.7 15.8 17.7 9.2 27.9
MODEL YEAR 2003 2002 2001 2000 1999	V .6 53.4 58.1 60.5	V V 51.6 56.3 50.6	V S .6 .7 8.6	V .2 .3 .5	V .4 .9 .6	N 22.9 16.4 15.6 15.3
1998	37.9 46.5 48.8 51.8 52.6 38.2 293.4	32.2 45.2 42.2 49.9 50.1 33.9 277.9	9.59.599.5 5	.2 .2 .5 .6 8 8 3.9	.3 .6 1.0 .9 .6 .7 6.4	19.8 17.7 17.2 16.6 16.6 19.7 5.6
New	318.4 330.2 93.2	294.8 304.4 90.6	16.6 14.3 .8	2.5 4.1 .6	4.5 7.3 1.3	5.3 5.2 12.1
Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor. Vehicle only Vehicle with driver Not reported Not applicable ⁴ Not proprted Not applicable ⁴ Not reported	19.0 8.4 1.8 8 V 6.5 5.8 8 8 8 8 8 8 9 420.3 302.7	16.5 6.8 .2 2 V 6.5 S S V S S S S S S S	.6 .6 .6 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	.8 .3 .3 .8 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9	1.1 .7 .7 .7 .7 .7 .7 .4 .2 .2 .5 .5 .7 .7 .7	26.4 38.2 14.4 8 N 49.0 47.9 22.5 S S S S 4.1 5.6

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

I nousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Surve	y. Because of rour	lding, estimates ma		le size		Coefficient of
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
LEASE CHARACTERISTICS—Con. Length of leasing agreement: Leased 1 to 11 months 12 months or more Not reported Not applicable ⁴	19.0 .2 2.7 S 16.1	16.5 S .3 V 16.1	.6 S .6 V	.8 V .8 V	1.1 S 1.0 S V	26.4 44.2 11.8 S 31.1
Provisions of lease ⁵ : Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	2.2 1.2 1.0 1.1 .6	.3 8 8 8 8 8 8 8	.6 S S S S S S S S	.4 .5 .3 .5 S	9.5.6.5.90	13.0 18.1 19.1 18.5 25.2 47.7
PRIMARY OPERATOR CLASSIFICATION Private Motor carrier Owner operator Rental Personal transportation Not applicable ²	128.5 4.4 3.3 \$ 584.3 17.1	103.4 .6 V S 567.6 14.9	11.9 .9 S .4 16.4	4.9 .6 .2 .3 S 1.1	8.2 2.3 1.4 .5 S .6	9.3 8.2 49.4 S 2.4 27.9
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁶ Type of service: Truckload Less-than truckload Not reported Not applicable ⁶ Source of hauls: Shippers or receivers Brokers Centralized markets or exchanges Other Not applicable ⁶ HAZARDOUS MATERIALS CARRIED ⁷	2.3 2.5 1.2 735.9 3.6 1.0 1.4 735.9 3.4 3.1 V 2.3 735.9	\$ 2 3 689.2 \$ \$ \$ 3 689.2 \$ \$ \$ \$ 3 689.2 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$.2 .6 S 30.8 .2 .5 S 30.8 .6 V V V S 30.8	.2 .3 .3 .6.4 .4 .5 .3 .6.4 .5 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	1.7 1.4 .6 9.4 2.9 2.6 9.4 2.0 3.1 V 1.3 9.4	9.7 10.9 17.3 1.0 7.1 20.2 17.0 1.0 8.8 19.7 36.2 N 12.0 1.0
Carrying hazardous materials Not carrying hazardous materials	1.3 23.0 5.7 711.8	S 4.6 1.5 683.7	\$ 4.9 1.3 25.4	.4 4.1 1.3 1.5	.9 9.3 1.6 1.2	16.3 2.8 8.1 1.1
EQUIPMENT TYPE ^{5 9} Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	.8 323.7 2.5 541.7 2.8	.2 305.4 .2 502.3 S	S 17.1 .4 28.7 S	.3 .3 .4 2.9 S	S .8 1.5 7.8 2.6	25.6 5.2 10.4 2.9 6.9
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	367.6 .7 73.1 .7 .1	341.3 S 70.5 V	21.5 .5 S .3 V	1.3 V S .2 V	3.5 .1 .8 .2 .1	4.6 24.9 13.9 26.0 36.2
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.) Internet access	5.6 330.4 2.2 .4 S	.1 317.5 .5 V	.3 12.9 .4 V	.2 V .5 V	5.0 V .8 .4 S	5.2 5.1 13.6 22.3 S
Lift gate Mounting bar for snowplow Navigational system Power take-off Radial tires	2.2 S S 9.7 460.8	.3 S V .6 426.3	.5 V V 1.2 22.0	1.0 V S 2.2 3.6	.5 S S 5.7 9.0	14.0 S S 5.2 3.7
Reflective material in addition to those required by law. Road speed governor Toolbox Trip recorder or on-board computer with communication capabilities. Trip recorder or on-board computer without communication capabilities.	3.5 8.0 94.2 24.0 87.2	.5 .3 75.3 23.9 81.7	.6 .9 12.3 V S	.5 2.2 2.1 V S	1.9 4.6 4.4 .1 .4	9.3 6.0 11.2 25.2 12.6
Vehicle control aids for handicapped drivers	S S 12.5	V V 8.3	\$ \$ \$	V V .6	V V .9	S S 31.4
Transmission type: Automatic	437.2 239.8 S S 63.2	412.9 215.2 S V 60.1	21.1 9.8 V S .8	1.9 4.5 V V .9	1.3 10.4 S V 1.4	3.8 6.4 S S 14.8
Braking system: Hydraulic (standard). Hydraulic with power assist Air Other Not reported Not applicable ¹⁰	9.8 7.9 13.3 V 4.0 706.9	4.2 2.1 .3 V .7 682.6	2.6 2.9 .9 V 1.1 24.3	2.0 2.2 2.1 V 1.0	1.1 .6 10.1 V 1.3	6.0 7.0 3.6 N 9.8 1.1

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

[I nousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Surve	y. Because of rour	iding, estimates ma		e size		Coefficient of
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
FUEL TYPE AND ENGINE SIZE						
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	669.3	647.3	19.4	1.7	.9	1.7
	50.0	22.6	11.5	4.3	11.6	13.3
	S	S	V	S	S	S
	.5	S	.3	S	S	33.2
	V	V	V	V	V	N
Electricity . Combination Other Not reported Not applicable ²	V	V	V	V	V	N
	S	S	V	S	S	S
	V	V	V	V	V	N
	V	V	V	V	V	N
	17.1	14.9	.5	1.1	.6	27.9
Cylinders ¹¹ : 4 cylinders 6 cylinders 8 cylinders Uther	110.0	109.5	.4	V	S	11.1
	300.7	280.6	6.7	2.8	10.6	5.2
	321.1	293.0	24.0	3.0	1.1	5.1
	10.1	6.7	.6	1.4	1.4	31.9
Cubic inch displacement ¹¹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 40 to 509 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not applicable ² REFUELING LOCATION	669.3 184.3 188.7 121.0 138.0 32.6 4.8 50.0 19.2 21.2 21.2 3.8 3.8 2.0 S S V V 17.1	647.3 184.3 183.8 119.2 130.7 25.9 \$ 22.6 13.5 9.1 V V V V S S V V S S V V 14.9	19.4 V S 6.0 6.3 5.5 11.5 4.7 6.7 S V V V V S	1.7 V V S 8.8.3.5.5 3.1.1 S S S 6.2.2 S S V 1.1	.9 V V .4 .4 11.6 .5.3 3.6 3.7 1.5 .1 V .1 S V .6	1.7 8.1 7.6 10.4 9.5 20.5 47.7 13.3 26.1 21.4 5.0 5.8 11.1 S S N 27.9
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable ²	622.0 15.5 22.2 S V 62.1 17.1	591.0 9.8 12.4 S V 59.9 14.9	25.1 S 3.3 .2 V .5 .5	2.7 .7 1.7 .4 V .7	3.1 2.8 4.8 .6 V 1.1	2.2 27.4 20.4 S N 15.1 27.9
MAINTENANCE ⁵ General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	18.2	16.3	\$	\$.1	29.0
	65.3	48.9	7.7	2.5	6.2	13.4
	293.3	274.4	13.7	1.6	3.5	5.7
	135.7	127.2	6.8	.5	1.2	9.6
	.5	S	\$.3	S	30.9
Individual not employed/paid by any maintenance type facility Other Not reported Not applicable ²	261.1	251.3	6.5	1.1	2.2	6.2
	V	V	V	V	V	N
	65.3	63.2	.5	.6	1.0	14.7
	17.1	14.9	.5	1.1	.6	27.9
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company.	505.7	470.4	22.6	4.5	8.2	3.3
	4.3	S	.5	.2	1.3	37.7
	60.4	56.8	S	S	1.3	15.3
	44.4	38.6	S	.2	.5	18.2
	V	V	V	V	V	N
Component distributorship (engine, transmission, body, etc.) Individual not employed/paid by any repair type facility. Other Not reported Not applicable ²	6.6	6.5	V	S	V	48.3
	47.9	47.0	.3	.3	.3	17.5
	V	V	V	V	V	N
	S	S	S	V	S	S
	17.1	14.9	.5	1.1	.6	27.9
TRUCK TYPE AND AXLE ARRANGEMENT Single-unit trucks and truck-tractors without trailer. 2 axles 3 axles 4 axles 5 axles or more. Not reported	716.2 712.3 3.5 .3 V	679.8 679.7 S V V V	23.1 23.0 S V V V	6.9 6.9 .1 V V	6.4 2.8 3.2 .3 V V	1.3 1.3 5.3 17.2 47.7 N
Combinations Single-unit trucks with trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with single trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with double trailers 5 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles 9 axles or more Not reported Truck-tractors with triple trailers 7 axles 8 axles 9 axles 9 axles 10 axles or more Not reported	25.7 19.5 S 15.5 .3 S 6.1 .5 .7 4.5 .4 .1 1 S S V V V V V	10.0 10.0 10.0 S 6.7 S S V V V V V V V V V V V V V V V V V	8.6 8.6 8.4 S S V V V V V V V V V V V V V V V V V	3,9,9,9,>,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,	6.7 7.2 3.3 2.8 5.9 4.7 4.3 3.1 8.8 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9	20.5 27.0 30.8 30.7 \$ 4.0 29.3 19.8 3.6 22.7 47.9 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

[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			Coefficient of			
venicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
TRUCK TYPE AND AXLE ARRANGEMENT—Con. Driving axles:	400.7	371.3	18.0	6.9	4.5	4.3
1	341.1 S S	371.3 318.5 V	13.7 V V	.4 V V	8.6 S S	5.0 S S
Total liftable axles and locations 12: None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis Beyond the chassis Not reported 10 10 10 10 10 10 10 10 10 10 10 10 10	34.2 .6 .2 .8 .3 .V V V V S S S V 1 706.9	7.2 S S V V V V V V V V V V O 682.6	7.3 S S V V V V V V V V V V 24.3	7.3 V V V V V V V V V	12.5 .5 .5 .8 .3 .8 .V .V .S .S .V .V	1.4 20.2 47.2 \$ \$17.9 47.7 47.7 \$ \$ \$ \$ \$ \$ \$ 17.9 47.7 47.7 17.7 17.7 17.7
Total liftable axles and number of braking axles: None	34.2 .6 .6 .5 .5 .5 .7 .7 .7 .7 .7 .7	7.2 S V V V V V V V V 682.6	7.3 S V S S V V V V V 24.3	7.3 V V V V V V V V	12.5 .5 .5 .8 .4 .4 .V .V .V .V .V .V .V	1.4 20.2 S 20.9 S 47.7 N N 47.7 N 28.7
Conventional cab	32.0 2.3 29.1 .6	6.8 V 6.8 V	6.1 V 6.1 V	7.0 S 6.8 S	12.1 2.2 9.4 .6	1.6 6.9 1.8 15.2
Cab over engine With sleeper Without sleeper. Not reported	2.8 .2 2.5 .1	.3 V .3 V	1.3 V 1.3 V	.3 S .3 S	.9 .2 .6 .1	8.5 22.4 9.4 33.9
Cab forward of engine Cab beside engine Not reported Not applicable ¹⁰	S S S 706.9	V S V 682.6	V S V 24.3	V V V	S V S V	\$ \$ \$ 1.1

N Not available. miles, or 0.05 percent. 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

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.

^{1.} Comparability of estimates may vary across survey years due to changes in category definitions.
2. Vehicles not in use.
3. Truck-tractors not in use.
3. Truck-tractors not in use.
4. Lessees or lessors of pickups, minivans, other light vans, and sport utilities.
5. Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.
6. 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.
7. Distributed miles data are available in Table 8.
8. Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.
9. Pickups, 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.
10. Pickups, minivans, other light vans, and sport utilities.
11. Data were derived from administrative records.
12. Detail 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.

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]

I nousands. Estimates are based on data from the 2002 Vehicle Inventory :	and Ose Sur	Truck type						
Vehicular and operational characteristics		Single-unit		o::	Combination	-		Coefficient of
	Total	trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	variation of total (percent)
Total	741.9 1.0	716.2 1.3	25.7 20.5	19.5 27.0	6.1 4.0	.1 47.9	V N	X X
BUSINESS ¹								
For-hire transportation or warehousing	4.9 S 15.7 9.5 7.1	2.0 S 14.7 8.6 7.0	S .1 1.0 .8 S	S V .4 S S	1.3 .1 .6 .8 .1	\$ > \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	>> >> >>	33.7 S 28.8 34.0 39.5
Construction Manufacturing Wholesale trade Retail trade Information services	32.9 .8 6.6 23.5 S	30.8 .6 5.9 23.2 S	2.1 .2 .7 .3 V	.7 S S V V	1.4 .1 .6 .3 V	S V V V	V V V	19.2 20.5 42.5 24.4 S
Waste management, landscaping, or administrative/support services Arts, entertainment, or recreation services Accommodation or food services Other services Personal transportation Not reported Not applicable ²	1.1 S S 17.0 584.3 11.6 17.1	1.1 S S 16.9 568.0 10.8 17.1	S S S .1 16.3 .9 V	V S V V 16.3 .3 V	S S S .1 S 5.5 V	V V V V V	> > > > > >	17.0 S S 29.4 2.4 30.9 27.9
BODY TYPE								
Single-unit trucks. Pickup . Minivan Other light vans Sport utility Armored	735.3 418.5 63.7 24.1 200.7 S	715.8 402.2 63.7 24.1 199.1	19.5 16.3 V V S V	19.5 16.3 V V S V	N N N N N	N N N N N N	N N N N N	1.0 1.5 14.1 24.6 5.2 S
Beverage Concrete mixer Concrete pumper Crane Curtainside	.2 .9 .1 .3 V	S .9 .1 .3 V	S V V V	\$ V V V	N N N N	2222	2222	43.1 11.7 42.6 41.3 N
Dump. Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe Service, utility.	3.0 7.6 S .4 2.1	2.7 6.8 S .4 2.1	.3 .8 V S S	.3 .8 V S	N N N N N	2222	2222	10.5 7.1 S 35.2 15.3
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	3.0 V S 2.2 .9	3.0 V S 2.1 .9	V V S V	V V V S V	N N N N N	2	2	12.6 N S 13.4 23.4
Trash, garbage, or recycling Vacuum Van, basic enclosed Van, insulated nonrefrigerated Van, insulated refrigerated	.6 .2 3.2 S .3	.6 .2 3.1 S .3	V	V	N N N N N N N N N N N N N N N N N N N	2222	2222	19.7 39.3 11.6 S 35.9
Van, open top Van, step, walk-in, or multistop. Van, other Other	.3 2.2 .5 S	.3 2.2 .4 S	V V S V	V V S V	N N N N	N N N N	N N N N	35.8 14.8 32.5 S
Truck-tractors. Automobile carrier Beverage Curtainside Dump. Flatbed, stake, or platform	6.6 S .3 V 1.6 1.1	.4 N N N N	6.1 S .3 V 1.6 1.1	2 2 2 2 2 2	6.1 S .3 V 1.6 1.1	.1 V V S V	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	3.9 S 26.8 N 7.7 11.6
Livestock. Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	.2 .3 S .3	N N N N N	.2 .3 S .3 .1	Z Z Z Z Z	.2 .3 S .3 .1	V V S V	>> >> >>	26.5 20.7 S 20.7 47.9
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	.1 1.0 1.0 S V	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.1 1.0 1.0 S V	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 1.0 1.0 S V	S V V V	V V V V	42.9 10.6 17.5 S N
Van, insulated refrigerated Other Not applicable ³	.2 S .4	N N .4	.2 S V	N N N	.2 S V	V V	V V V	23.0 S 22.7
ANNUAL MILES								
Less than 5,000 . 5,000 to 9,999 . 10,000 to 19,999 . 20,000 to 29,999 . 30,000 to 49,999 .	145.2 158.5 308.8 59.9 29.1	137.3 155.8 302.4 57.3 24.7	7.9 S 6.3 S	6.8 S S S S S S S S S S S S S S S S S S S	1.1 .9 .9 .8 .9	\$ V \$ \$ V \$	>> >> >>	9.2 8.8 5.4 15.1 21.8
50,000 to 74,999 75,000 or more Not applicable ²	22.3 1.0 17.1	21.5 .1 17.1	.8 .9 V	S S V	.7 .9 V	V S V	V V	25.6 10.3 27.9

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

	•	Truck type						
Vehicular and operational characteristics		Single-unit trucks and		Single-unit	Combination Truck-tractor	Truck-tractor	Truck-tractor	Coefficient of variation of
	Total	truck-tractors without trailer	Total	truck with trailer	with single trailer	with double trailers	with triple trailers	total (percent)
PRIMARY RANGE OF OPERATION								
Off-the-road 50 miles or less 51 to 100 miles 101 to 200 miles 201 to 500 miles	19.3 439.3 66.1 23.9 22.1	17.1 436.8 61.1 21.7 20.0	\$ 2.4 4.9 \$ \$	S .7 S S S	.5 1.7 1.5 .5	V S S V V	V V V V	26.0 3.9 14.4 24.8 25.9
501 miles or more	13.6 140.6 17.1	8.2 134.2 17.1	S 6.4 V	S S V	.5 1.1 V	S V V	V V V	33.2 9.5 27.9
PRIMARY JURISDICTION								
Operated in Canada Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable ²	\$ 585.7 23.5 110.8 17.1	\$ \$ 571.8 16.3 106.2 17.1	V V 13.9 7.1 4.6 V	V V 9.4 6.4 S V	V V 4.5 .7 .9 V	V V S S V V	V V V V	\$ 2.6 25.2 10.9 27.9
MONTHS OPERATED								
12. 7 to 11. 2 to 6. 1 or less. Vehicle not used.	535.3 93.1 69.6 26.7 17.1	521.3 88.2 65.0 24.6 17.1	14.0 4.9 4.6 S V	10.6 S S V	3.4 1.3 1.0 .3 V	S V S V	V V V V	3.0 12.0 13.9 22.9 27.9
VEHICLE SIZE								
Light. Medium Light-heavy. Heavy-heavy	689.8 31.7 7.3 13.1	679.8 23.1 6.9 6.4	10.0 8.6 .3 6.7	10.0 8.6 S .7	V V S 5.9	V V V .1	V V V	1.4 19.3 7.4 3.3
AVERAGE WEIGHT (POUNDS)								
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	532.7 122.7 34.5 21.9 6.5	531.0 121.0 27.8 16.9 4.6	S S 6.7 S S	S S 6.7 S S	V V V V	V V V V	V V V V	2.9 10.4 19.9 24.1 43.2
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	3.3 7.3 2.1 .9 2.1	1.7 6.9 1.7 .6 1.5	\$ 3 3 3 6	883 883 88	V 9 9 9 5	V V V	V V V V	49.0 7.4 15.0 17.6 9.6
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	2.3 5.3 .3 S	1.8 .7 V S V	.6 4.6 .3 S	S .1 S V	.4 4.5 .2 S S	V S S S V	V V V V	9.7 3.7 20.3 S S
TOTAL LENGTH (FEET)								
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	625.8 61.0 36.7 3.8 S	625.8 59.3 29.7 .9	V S 7.1 S S	>	V V .1 .7 .3	V V V V	V V V V	2.1 14.4 19.1 43.1 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	S S 1.4 1.6 .9	\$ \$ V V	S S 1.4 1.6 .9	88 89 89 89 89 89	.5 .6 1.2 1.6 .8	V V V S S	V V V V	S S 12.0 8.9 12.0
70.0 to 74.9 75.0 to 79.9 80.0 or more	.3 S .1	V V V	.3 S .1	S V V	.3 S .1	V V S	V V	20.7 S 39.1
MILES PER GALLON								
Less than 5 5 to 6.9	3.4 10.1 20.8 39.2 53.8 52.5 399.7 292.3 59.3 48.1 145.3 17.1	2.0 6.5 16.9 37.1 50.5 50.8 393.2 287.3 57.7 48.1 142.2 17.1	1.3.6.8888888888888888888888888888888888	∞4∞∞∞∞∞∞∞>∞>	1.2 3.4 2.5 5.5 8.7 V V 1.1	\$\$\$ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V V V V V V V V V V V V V V V V V V V	7.9 22.9 24.2 18.3 16.3 16.7 4.3 5.7 15.8 17.7 9.2 27.9

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

[Thousands. Estimates are based on data from the 2002 Vehicle Inventor	y and ose sur	Truck type						
Vehicular and operational characteristics		Cinala unit			Combination			Coefficient of
venicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
MODEL YEAR								
2003 2002 2001 2000	V .6 53.4 58.1 60.5	V .4 51.3 55.9 56.9	V .3 .9 .9	V S S S	V .2 .4 .3	V V S S V	V V V V	N 22.9 16.4 15.6 15.3
1998 1997 1996 1995 1994 1993 Pre-1993	37.9 46.5 48.8 51.8 52.6 38.2 293.4	37.8 46.2 48.4 51.2 50.7 34.6 283.1	.2 .3 .5 .6 .8 .8 .9	\$ \$ \$ V \$ \$ \$ \$ \$ 7.5	.1 .3 .5 .5 .3 .4 2.8	V V V V V S	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	19.8 17.7 17.2 16.6 16.6 19.7 5.6
VEHICLE ACQUISITION								
New	318.4 330.2 93.2	306.5 319.2 90.6	12.0 11.0 S	10.3 7.2 S	1.6 3.8 .7	S S V	V V V	5.3 5.2 12.1
LEASE CHARACTERISTICS								
Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor Vehicle only Vehicle with driver Not reported Not applicable ⁴ Not reported Not reported Not reported Not reported Not reported	19.0 8.4 1.8 \$ \$ 6.5 5.8 \$ \$ \$ \$ \$ \$ \$ 420.3 302.7	18.2 7.9 1.4 V 6.5 S S S S S S S S S S S	.8 5.5 8 V 3.2 1.1 V V 15.8 9.1	\$ \$ V V V V V V 12.1 7.2	.6 .4 .3 .8 .8 .7 .2 .1 .1 .2 .1 .1 .2 .3 .3 .2 .3 .3 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	<i>ගගග>>>>>></i>	>>>>>>>>>>	26.4 38.2 14.4 S N 49.0 47.9 22.5 S S S S S S
Length of leasing agreement: Leased 1 to 11 months 12 months or more Not reported Not applicable ⁴	19.0 .2 2.7 S 16.1	18.2 S 2.0 S 16.1	.8 .1 .7 V V	\$ \$ \$ \$ \times \	.6 S .6 V	S V S V	>> >> >>	26.4 44.2 11.8 S 31.1
Provisions of lease ⁵ : Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	2.2 1.2 1.0 1.1 .6	1.5 1.0 .6 .9 .4 S	.6 .3 .4 .3 .2 S	8888>>	.5 .2 .3 .2 .2 .2	S V V V V	V V V V	13.0 18.1 19.1 18.5 25.2 47.7
PRIMARY OPERATOR CLASSIFICATION								
Private Motor carrier Owner operator Rental Personal transportation Not applicable ²	128.5 4.4 3.3 S 584.3 17.1	123.7 2.6 .6 S 568.0 17.1	4.8 1.7 S .1 16.3 V	1.5 S S V 16.3 V	3.2 1.7 1.0 .1 S	S S V V V	V V V V	9.3 8.2 49.4 S 2.4 27.9
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁶ Type of service: Truckload Less-than truckload Not reported Not applicable ⁶ Source of hauls: Shippers or receivers Brokers Centralized markets or exchanges Other Not applicable ⁶ Not reported	2.3 2.5 1.2 735.9 3.6 1.0 1.4 735.9 3.4 .3 .1 V 2.3 735.9	.9 1.5 9 713.0 1.4 9 1.0 713.0 1.7 .1 S V 1.4 4 713.0	1.4 1.0 .4 22.9 2.2 .2 .4 22.9 1.6 .3 .1 V	V V S 19.4 .1 .7 V S 19.4 S V V V V 11 .1	1.4 1.0 .3 3.4 2.1 .2 .4 3.4 1.6 .3 .1 V .8 8	\$\$\\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	>>>> >>>>	9.7 10.9 17.3 1.0 7.1 20.2 17.0 1.0 8.8 19.7 36.2 N 12.0
HAZARDOUS MATERIALS CARRIED ⁷	700.0	, 10.0	22.0	10.4	0.4	0		1.0
Carrying hazardous materials Not carrying hazardous materials Not reported Not applicable ⁸	1.3 23.0 5.7 711.8	.8 17.3 4.5 693.7	.5 5.8 1.3 18.1	S 1.2 .3 18.0	.5 4.5 .9 .1	S S V V	> > > > > > > > > > > > > > > > > > >	16.3 2.8 8.1 1.1
EQUIPMENT TYPE ^{5 9}								
Aerial work platform/bucket	.8 323.7 2.5 541.7 2.8	.8 316.6 1.4 521.9	V 7.2 1.1 19.8 2.0	V 6.6 S 15.4 S	V .5 1.0 4.3 1.9	V V S .1 S	V V V V	25.6 5.2 10.4 2.9 6.9

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

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory	and Use Sur	vey. Because of re	ounding, estima	tes may not be a	-			
					Combination			
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
EQUIPMENT TYPE ^{5 9} —Con.								
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	367.6 .7 73.1 .7 .1	352.3 .6 72.5 .6 S	15.3 .2 .6 S	13.4 S S V V	1.9 S .5 S	S	V V V	4.6 24.9 13.9 26.0 36.2
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.) Internet access	5.6 330.4 2.2 .4 S	1.8 322.3 2.2 .1 V	3.8 8.1 S .2 S	.2 8.1 S V V	3.5 V V .2 S	S V V V	V V V	5.2 5.1 13.6 22.3 S
Lift gate . Mounting bar for snowplow	2.2 S S 9.7 460.8	2.2 S S 7.1 445.4	S V S 2.6 15.4	S V V .3 10.7	V V S 2.2 4.7	V V V S .1	V V V	14.0 S S 5.2 3.7
Reflective material in addition to those required by law	3.5 8.0 94.2 24.0	2.3 5.0 84.9 23.9 85.3	1.2 3.0 9.3 .1	.2 .2 7.2 V	1.0 2.8 2.0 .1	\$ \$ \$ \$ \$ \$ \$ \$	> > > > > > > > > > > > > > > > > > >	9.3 6.0 11.2 25.2 12.6
Vehicle control aids for handicapped drivers Wheelchair lift Winch	\$ \$ \$ 12.5	S V 10.5	v s s	V S S	.s V V .3	V V V	V V V	S S 31.4
Transmission type: Automatic Manual Semiautomated manual Automated manual Not reported	437.2 239.8 S S 63.2	428.5 225.6 S S 60.5	8.7 14.3 S V S	8.6 9.1 V V S	.1 5.1 S V .8	V .1 V V	> > > >	3.8 6.4 S S 14.8
Braking system: Hydraulic (standard) Hydraulic with power assist. Air Other Not reported Not applicable 10	9.8 7.9 13.3 V 4.0 706.9	9.3 7.3 7.5 V 3.1 689.0	.5 .5 5.8 V .9 17.9	.5 .5 .5 V S 17.9	\$ \$ 5.3 V .8 V	V V .1 V V	V V V V	6.0 7.0 3.6 N 9.8 1.1
FUEL TYPE AND ENGINE SIZE								
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	669.3 50.0 S .5 V	655.6 38.1 S .5 V	13.7 11.9 S V V	13.7 5.9 V V	\$ 6.0 \$ V V	V .1 V V V	> > > > > > > > > > > > > > > > > > >	1.7 13.3 S 33.2 N
Electricity Combination Other Not reported Not applicable ²	V S V V 17.1	V S V V 17.1	V V V	V V V	V V V V	V V V V	> > > > > > > > > > > > > > > > > > >	N S N N 27.9
Cylinders ¹¹ : 4 cylinders 6 cylinders 8 cylinders Other	110.0 300.7 321.1 10.1	110.0 291.1 305.8 9.5	\$ 9.7 15.3 .7	\$ \$ 15.2 .3	\$ 5.7 \$.3	V .1 V V	V V V	11.1 5.2 5.1 31.9
Cubic inch displacement ¹¹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Not available Not reported Not available Not reported Not applicable ²	669.3 184.3 188.7 121.0 32.6 4.8 50.0 19.2 21.2 3.8 3.8 2.0 \$\infty\$ \$\inft	655.6 184.3 188.7 117.7 132.9 27.4 S 38.1 14.2 20.4 1.6 .8 1.1 S S .2 V	13.7 V V S S S S 2.1 11.9 S 8.2 2.1 3.0 0 1.0 S V V V V V V V V V V V V V V V V V V	13.7 V V S S S S S 2 5.9 S 6 .1 .1 .1 V V V V V V V V V V V V V V V V V	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V V V V V V 1.1 V S S S V V V V V	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	1.7 8.1 7.6 10.4 9.5 20.5 47.7 13.3 26.1 21.4 5.0 5.8 11.1 S 45.1 S N 27.9
REFUELING LOCATION								
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable ²	622.0 15.5 22.2 S V 62.1 17.1	605.2 11.8 19.8 S V 59.6 17.1	16.8 3.7 2.4 .3 V S V	15.5 S .3 S V S V	1.3 1.9 2.0 .3 V .6 V	\$\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	V V V V	2.2 27.4 20.4 S N 15.1 27.9

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

	Truck type							
Vahiaulay and anavatianal abayactavistics					Combination			
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
MAINTENANCE ⁵								
General maintenance performed by: None performed Company-owned maintenance facility. General repair business or private mechanic Dealership service department Leasing company	18.2 65.3 293.3 135.7	18.1 62.1 287.7 130.0 .4	S 3.3 5.6 5.7 S	> 5.5000	\$ 2.7 1.9 .6 \$	V .1 S V V	> > > >	29.0 13.4 5.7 9.6 30.9
Individual not employed/paid by any maintenance type facility Other	261.1 V 65.3 17.1	251.1 V 62.8 17.1	10.1 V S V	8.8 V S V	1.3 V .6 V	V V V	V V V	6.2 N 14.7 27.9
Extensive repairs performed by: None performed Company-owned maintenance facility. General repair business or private mechanic Dealership service department Leasing company	505.7 4.3 60.4 44.4 V	484.6 3.8 59.5 44.1 V	21.1 .5 1.0 .3 V	17.1 S .2 S V	3.9 .5 .7 .3 V	.1 V V V	V V V	3.3 37.7 15.3 18.2 N
Component distributorship (engine, transmission, body, etc.) Individual not employed/paid by any repair type facility Other Not reported Not applicable ²	6.6 47.9 V S 17.1	6.6 47.5 V S 17.1	\$.5 V S V	V .2 V V	\$.3 V \$ V	V V V	V V V V	48.3 17.5 N S 27.9
AXLE ARRANGEMENT								
Driving axles: 1	400.7 341.1 S S	388.2 328.1 S V	12.5 13.1 S S	11.2 8.3 V V	1.3 4.7 S S	S S V V	V V V	4.3 5.0 S S
Total liftable axles and locations ¹² : None 1. Forward of the drive axle Below the chassis. Beyond the chassis. Not reported. 2 or more Forward of the drive axle Below the chassis. Beyond the chassis. Not reported. Ot reported. Not reported. Not reported. Not applicable ¹⁰ .	34.2 .6 .2 .3 .V .V .V .S .S .V .1	26.6 .5 .5 .3 .7 .7 .8 .9 .1 .689.0	7.6 S S S V V V V V V 1.1 17.9	1.6 S V S V V V V V S S 17.9	6.05 8 V V V V V V V	.,>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	1.4 20.2 47.2 \$ 17.9 47.7 47.7 47.7 \$ \$ \$ \$ \$ \$ 1.1
Total liftable axles and number of braking axles: None 1 0 braking 1 braking Not reported 2 or more 0 braking 1 braking 2 or more braking Not reported Not reported Not reported Not reported Not applicable ¹⁰	34.2 .6 .5 .5 .5 .7 .7 .7 .7 .7 .7	26.6 .5 .5 .4 .8 .7 .7 .7 .1 .689.0	7.6 S V S S V V V V V 1.1 17.9	1.6 S V S V V V V V S T7.9	6.0 S V S S V V V V V V 1.1 V	.1 V V V V V V V V V V V V V V V V V V V	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	1.4 20.2 \$ 20.9 \$ 47.7 N N 47.7 N 28.7
CAB TYPE								
Conventional cab With sleeper Without sleeper Not reported	32.0 2.3 29.1 .6	24.7 .2 24.5 S	7.3 2.1 4.6 .6	1.6 V 1.6 V	5.7 2.1 3.0 .6	S S S V	V V V	1.6 6.9 1.8 15.2
Cab over engine With sleeper Without sleeper Not reported	2.8 .2 2.5 .1	2.4 S 2.3 S	.5 .2 .2 .1	S > S > S >	.4 .2 .1 .1	S V S V	V V V	8.5 22.4 9.4 33.9
Cab forward of engine Cab beside engine Not reported Not applicable ¹⁰	S S S 706.9	S S S 689.0	V V V 17.9	V V V 17.9	V V V	V V V	V V V	S S S 1.1

N Not available. miles, or 0.05 percent. 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

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.

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.

^{&#}x27;Distributed miles data are available in Table 8.

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

§Pickups, 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.

¹¹Pickups, 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.

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]

					Coefficient of	
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
Total	9 202.7 4.2	8 090.9 4.5	698.8 27.5	90.1 10.7	322.9 4.6	X
BUSINESS¹ For-hire transportation or warehousing Vehicle leasing or rental Agriculture, forestry, fishing, or hunting Mining Utilities	201.8	7.4	\$	10.4	85.8	38.9
	S	S	8.7	S	12.1	S
	175.1	93.3	\$	6.9	13.1	42.3
	198.2	S	4.3	9.1	42.9	41.0
	122.8	S	10.8	3.6	9.2	46.3
Construction Manufacturing Wholesale trade Retail trade Information services	735.2	478.0	S	16.8	55.8	26.5
	11.1	S	S	S	9.1	22.6
	111.9	S	S	11.3	20.0	42.6
	332.4	291.9	10.2	8.8	21.5	29.5
	S	S	V	S	V	S
Waste management, landscaping, or administrative/support services	20.4 S S 338.1 6 660.6 141.2	S S S 325.0 6 415.4 S V	S S S 7.1 243.1 13.1 V	\$ \$ \$ \$ \$ 10.3	13.3 S S 3.8 33.9 S	21.6 S S 37.2 5.1 37.2 S
Single-unit trucks Pickup. Minivan Other light vans Sport utility. Armored	8 983.2	8 090.9	698.8	89.2	104.3	4.3
	5 116.6	4 554.0	562.6	V	V	6.4
	858.2	858.2	V	V	V	18.5
	197.3	197.3	V	V	V	28.5
	2 431.0	2 404.0	S	V	V	8.5
	S	V	S	S	S	S
Beverage Concrete mixer Concrete pumper Crane Curtainside	S 11.1 S S V	V S V V	\$ V V V	S V V S V	\$ 9.6 \$ \$ V	S 17.5 S S N
Dump Flatbed, stake, or platform Low boy Pole, logging, pulpwood, or pipe Service, utility	28.8	\$	\$	4.7	21.0	14.0
	82.0	17.2	25.3	21.8	17.6	10.9
	S	V	\$	V	V	S
	S	V	\$	S	S	S
	24.7	7.8	11.5	4.4	S	20.5
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	49.3	23.8	14.4	9.2	\$	16.0
	V	V	V	V	V	N
	S	V	V	V	\$	S
	30.8	S	S	8.0	22.2	19.2
	13.7	3.7	S	S	V	37.2
Trash, garbage, or recycling. Vacuum Van, basic enclosed Van, insulated nonrefrigerated Van, insulated refrigerated	13.1	V	S	\$	11.7	21.0
	3.2	V	V	\$	2.7	38.3
	54.7	9.5	17.1	21.0	S	14.8
	S	V	S	V	S	S
	8.5	S	7.3	\$	V	42.1
Van, open top Van, step, walk-in, or multistop Van, other Other	\$	V	V	\$	\$	S
	32.6	11.4	17.2	4.0	\$	19.5
	4.6	S	S	V	\$	41.3
	\$	V	V	V	\$	S
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	219.5 S 8.1 V 43.8 41.3	V V V V	>> >> >> >>	\$ V V V S S	218.6 S 8.1 V 43.4 41.3	5.6 S 28.3 N 11.2 15.7
Livestock Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	\$ 5.2 \$ 9.0 \$	V V V	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	V V V V	\$ 5.2 \$ 9.0 \$	S 33.6 S 28.5 S
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, drop-frame Van, insulated nonrefrigerated	\$ 53.8 38.2 \$ V	V V V V	>> >> >>	V V S V V	S 53.8 37.7 S V	S 15.3 16.0 S N
Van, insulated refrigerated Other Not applicable ³ ANNUAL MILES	10.4 S V	V V V	V V	V V	10.4 S V	28.6 S N
Less than 5,000	278.1	254.4	13.7	3.8	6.2	11.7
5,000 to 9,999	1 131.4	1 087.4	S	4.0	11.7	9.1
10,000 to 19,999	4 037.3	3 900.3	71.7	28.7	36.5	5.6
20,000 to 29,999	1 324.7	1 110.3	145.7	28.6	40.1	15.1
30,000 to 49,999	1 065.0	753.0	236.7	18.7	56.6	21.9
50,000 to 74,999	1 253.2	985.5	\$	S	61.4	25.8
	111.2	V	\$	V	110.2	10.8
	S	V	V	S	S	S
Off-the-road 50 miles or less 51 to 100 miles 101 to 200 miles 201 to 500 miles	270.2	\$	8.7	8.1	27.5	43.1
	5 532.7	5 200.2	204.2	37.6	90.8	6.3
	1 026.7	761.7	S	14.0	46.7	19.3
	362.2	199.0	S	8.0	19.3	32.7
	334.1	180.6	S	S	36.1	33.7
501 miles or more	248.5	202.7	V	S	45.1	38.3
	1 426.4	1 320.8	29.6	18.8	57.3	11.9
	S	V	V	S	S	S

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

[Millions. Estimates are based on data from the 2002 vehicle inventory and Use Survey. Br		Vehicle size				Coefficient of
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
PRIMARY JURISDICTION	c	s	v	V	V	
Operated in Canada. Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable ²	\$ 7 494.7 326.5 1 196.7 \$	6 577.2 249.6 1 081.3	647.4 S S V	V 68.8 S 18.3 S	V 201.2 71.1 50.5 S	S S 5.2 22.7 13.2 S
MONTHS OPERATED 12	7 517.2 1 168.0 469.8 S	6 585.0 1 034.1 430.0 S V	627.2 S 9.1 S V	71.0 11.4 5.3 .7 S	234.1 61.0 25.4 2.4 S	5.0 16.4 28.3 S S
AVERAGE WEIGHT (POUNDS) Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	6 090.8 1 455.4 544.7 454.3 S	6 090.8 1 455.4 544.7 N	N N N 454.3 S	N N N N	N N N N	5.7 13.5 28.5 33.3 S
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	26.4 90.1 27.7 16.3 33.9	N N N N	26.4 N N N N	N 90.1 N N	N N 27.7 16.3 33.9	24.5 10.7 21.3 28.3 13.9
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more TOTAL LENGTH (FEET)	34.7 197.7 10.0 S S	N N N N N	N N N N	N N N N N	34.7 197.7 10.0 S S	15.6 6.0 27.6 S S
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	7 393.3 890.2 521.4 50.7 S	7 033.1 676.4 347.3 8.9 S	309.8 S S 6.7 S	26.6 34.6 23.7 S V	23.8 31.4 32.2 31.0 11.5	5.0 20.5 22.7 14.6 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	\$ 24.4 27.5 71.7 45.4	V V V V	S S V V	S V V V	11.1 21.2 27.5 71.7 45.4	\$ 22.9 15.2 11.9 15.0
70.0 to 74.9	12.8 S S	VVV	V	V	12.8 S S	27.1 S S
Less than 5 5 to 6.9 7 to 8.9 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 21 to 24.9 25 or more Not reported Not applicable ²	67.4 227.0 302.3 596.3 664.7 685.9 5 070.7 3 750.5 737.1 583.1 1 586.4 S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 8.8 \$ \$ \$ \$ \$ \$ \$ 274.9 213.3 \$ \$ \$ 0.1	S 13.7 25.9 15.9 5.8 1.3 1.3 V V 23.5 S	59.9 157.5 22.8 12.6 S S 1.9 1.9 V V 65.1 S	10.2 16.9 40.4 25.9 23.1 21.4 6.8 8.4 19.0 25.3 12.8 S
MODEL YEAR 2003 2002 2001 2000 1999	V 36.7 827.1 971.3 1 079.5	V V 756.9 913.5 805.6	V S 13.4 18.5 S	V S 6.3 10.8 10.3	V 31.7 50.4 28.5 26.3	N 20.9 18.2 17.4 19.3
1998 1997 1996 1995 1994 1993 Pre-1993 VEHICLE ACQUISITION	677.0 723.8 831.4 762.6 450.8 388.7 2 453.9	550.2 686.0 583.7 723.8 400.4 357.6 2 313.3	\$ 11.2 \$ 8.8 \$ \$ \$ 35.8	\$ 5.6 10.3 \$ \$ 29.3	10.2 22.3 30.2 19.6 14.3 13.7 75.5	24.3 24.1 21.8 20.3 18.2 23.6 10.0
New Used Not reported LEASE CHARACTERISTICS	4 177.5 4 039.1 986.1	3 597.8 3 558.0 935.2	385.7 301.3 11.8	47.9 34.4 7.7	146.1 145.4 31.4	7.6 8.7 13.7
Leased Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor. Vehicle only Vehicle with driver Not reported Not applicable ⁴ Not reported Not applicable ⁴ Not reported	275.9 141.6 56.8 V V 76.5 29.5 S S S S 5 5 576.1 3 350.7	185.6 86.6 5.3 V V S S S V S S S 4 732.9 3 172.5	11.6 10.7 10.7 V V V V 9 .9 .9 V V V V V S O O O O O O O O O O O O O O	17.4 S S V V V 10.4 10.4 V V V V S 1.5 21.2	61.4 37.4 33.8 \$ V 23.8 17.2 \$ \$ V \$ \$ \$ 17.2	21.6 29.5 16.0 S N S 32.4 19.4 S S S S 8.8

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

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of the second secon	adde of fouriding	g, estimates may not	Coefficient of			
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement: Leased	275.9	185.6	11.6	17.4	61.4	21.6
1 to 11 months	S	S	S	V	S	l s
12 months or more	89.6 S	6.3 V	11.3 V	17.4 V	54.6 S	12.0 S
Not applicable ⁴	179.3	179.3	V	V	V	32.6
Provisions of lease ⁵ :	70.0		44.0	0.7	40.0	
Financing onlyFull maintenance	73.2 43.7	4.7 S	11.0 S	8.7 10.7	48.8 28.7	13.4 17.1
Payment of taxes Obtaining licenses and permits	38.4 39.9	S S	S S 1.4	5.4 10.7	30.0 25.9	18.0 17.9
Recordkeeping	24.6	S	S	S	18.2	21.3
Fuel contract	5.7	S	S	S	S	45.5
Private	2 183.2	1 604.7	345.4	68.2	164.8	12.8
Motor carrier	144.7 S	8.0 V	23.1 S	13.0 1.6	100.6 42.0	8.6 S
Rental	90.4	š	8.9	4.7	14.1	49.8
Personal transportation	6 660.6 S	6 415.4 V	243.1 V	S S	S S	49.8 5.1 S
ior bire characteristics:						
For-hire characteristics: Type of carrier:			7.0		70.0	
Contract Common	91.0 69.2	S S	7.2 12.0	4.6 S	79.0 47.8	10.5 12.1
Not reported	28.8	8 082.9	S	3.6	15.9	19.2
Not applicable ⁶	9 013.7		675.1	75.5	180.3	4.3
Truckload	129.8 26.5	S S	S 11.2	7.7 S	117.1 9.7	8.4 20.5
Not reported	32.7	5.7 8 082.9	S	3.6	15.9	18.7
Not applicable ⁶	9 013.7		675.1	75.5	180.3	4.3
Shippers or receivers	116.9 18.2	S V	14.3 V	10.0 V	90.4 18.2	9.2 26.3
Centralized markets or exchanges	1.3	v	V	v V	1.3 V	38.8
Other Not reported	52.6	5.9	9.4	4.5	32.7	N 13.7
Not applicable ⁶	9 013.7	8 082.9	675.1	75.5	180.3	4.3
HAZARDOUS MATERIALS CARRIED ⁷						
Carrying hazardous materials	50.0	s	S	6.9	42.9	16.2
Not carrying hazardous materials	410.3	56.3	75.4	60.2	218.4	16.2 4.2
Not reported	101.8 8 640.6	16.9 8 017.5	23.0 600.3	15.7 7.3	46.1 15.4	9.8 4.5
EQUIPMENT TYPE ^{5 9}						
Aerial work platform/bucket	6.4	S	S	s	S	38.3
Air bag(s) (safety device only)	4 815.1 60.7	4 278.8 S	496.3 6.7	5.2 8.0	34.8 42.7	7.4 12.3
Air-conditioning	7 479.4	6 496.9 S	673.4	57.5 V	251.6	5.3 9.4
Air springs	105.7	3	S	v	105.1	9.4
Antilock brake system	5 458.4 12.4	4 813.7	479.9 8.8	23.6	141.3 1.5	7.0 30.6
Computerized drive train control unit	1 007.6	959.5	S.6	š	38.4	16.1
Crane	8.4 9.7	V	S S V	S V	3.0 9.7	29.9 40.9
Engine retarder/brakeFront-wheel drive	174.0 4 195.9	1.8 3 911.7	4.2 284.2	S V	165.1 V	6.9 7.9
Hoist	32.3 22.7	S	S	8.1 V	13.6 22.7	18.4 26.8
Internet access	\$ S	v	V	v	\$ S	20.6 S
Lift gate	29.6	2.5	6.1	15.5	5.5	16.7
Mounting bar for snowplow Navigational system	S	S	V	V S	S	S
Power take-off	177.4	Š	13.3	26.6	134.2	6.9
Radial tires	6 243.2	5 414.3	535.8	58.2	235.0	6.2
Reflective material in addition to those required by law	79.0	6.1	8.2	6.0	58.6	10.8
Road speed governor	218.1 1 827.2	6.1 1 333.3	17.8 340.1	41.1 29.0	153.1 124.8	6.7 14.8
Trip recorder or on-board computer with communication capabilities Trip recorder or on-board computer without communication capabilities	348.6 1 111.1	345.4 1 005.9	V S	V S	S 11.6	27.7 17.3
Vehicle control aids for handicapped drivers	s	V		v	٧	
Wheelchair lift	S	V	S	V	V	S
Vinch	154.3	S	19.1	11.8	20.2	34.3
ransmission type: Automatic	6 021.4	5 467.2	501.6	30.6	22.0	6.4
Manual	2 474.3	1 996.3	183.4	46.6	247.9	9.7
Semiautomated manual	S S	S V	V S	V	S V	S S
Not reported	674.6	598.3	12.5	12.9	51.0	16.1
Braking system:	400 -		20.5	20 -		
Hydraulic (standard)	106.6 101.8	42.0 21.9	30.3 43.4	22.6 30.3	11.7 6.2	9.6 10.1
Aír Other	303.0 V	S V	16.9 V	23.9 V	258.9 V	5.0 N
Not reported	88.1	10.3	18.6	13.3	46.0	11.2
Not applicable ¹⁰	8 603.1	8 013.5	589.6	VI	V	4.5

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

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey.		g, commutee may m		Coefficient of		
Vehicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
FUEL TYPE AND ENGINE SIZE						
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	8 223.8 943.8 S 7.7 V	7 834.5 234.0 S S V	369.6 323.4 V S V	13.6 71.0 S S V	6.2 315.4 S S V	4.6 14.8 S 45.0 N
Electricity. Combination Other Not reported Not applicable ²	V S V S	V S V V	V V V V	V S V V S	V S V S	N S N N S N N S
Cylinders ¹¹ : 4 cylinders 6 cylinders 8 cylinders Other	1 052.6 3 845.7 4 190.5 113.9	1 040.9 3 401.3 3 558.4 S	8.8 94.1 591.0 4.9	1.1 51.3 29.2 8.5	\$ 298.9 12.0 10.2	14.9 7.8 8.2 45.8
Cubic inch displacement ¹¹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not reported Not reported Not applicable ² REFUELING LOCATION	8 223.8 1 919.0 2 721.1 1 402.3 1 783.4 390.3 7.7 943.8 208.0 469.2 104.9 117.7 44.0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7 834.5 1 919.0 2 627.3 1 322.0 1 610.5 S 234.0 107.9 V V V V S S V V S S V V	369.6 V S S S 33.7 S 323.4 86.3 236.7 S V V S S S V V V V	13.6 V V S 7.4 S 3.7 71.0 6.4 57.9 S S S S S S S S S S S S S S S S S S S	6.2 V V V 4.4 S .7 315.4 48.5 104.1 117.2 38.3 1.2 V S S	4.6 10.9 11.0 14.3 13.9 29.1 31.5 14.8 28.1 27.3 7.8 8.4 13.9 S S 45.1 S
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable ²	7 848.5 255.6 360.1 37.7 V 699.0 S	7 195.0 87.0 139.5 S V 653.8	568.3 S S S V 9.4 V	32.2 11.6 28.2 6.8 V 9.6 S	53.0 124.0 108.6 10.9 V 26.3	5.1 18.3 24.6 36.4 N 16.2
MAINTENANCE ⁵ General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company.	92.6 1 270.3 4 003.5 1 923.9 10.0	87.1 836.9 3 430.6 1 763.8 S	\$ \$ 442.2 \$ \$	S 37.3 25.1 7.8 6.5	S 162.2 105.5 57.8 S	38.5 18.1 8.7 12.3 32.9
Individual not employed/paid by any maintenance type facility Other Not reported Not applicable ²	3 029.1 V 711.4 S	2 891.6 V 666.2 V	\$ V 9.3 V	11.0 V 9.4 S	49.2 V 26.5 S	9.5 N 15.9 S
Extensive repairs performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	6 420.9 S 760.5 713.5 V	5 623.8 S 667.0 558.1 V	535.3 7.2 S S V	61.1 S S S V	200.7 24.8 40.3 24.1 V	6.0 S 19.3 23.8 N
Component distributorship (engine, transmission, body, etc.) Individual not employed/paid by any repair type facility. Other Not reported Not applicable ² TRUCK TYPE AND AXLE ARRANGEMENT	\$ 571.9 V S S	S 559.2 V S V	V 3.3 V S V	S 2.4 V V S	\$ 7.0 V S S	\$ 22.9 N S S
Single-unit trucks and truck-tractors without trailer. 2 axles 3 axles 4 axles 5 axles or more Not reported	8 693.1 8 636.3 51.1 4.4 S V	7 948.2 7 947.5 S V V V V	562.4 559.8 S V V V	86.4 85.1 S V V V	96.1 43.8 46.6 4.4 S V	4.4 4.4 9.6 18.7 S N
Combinations Single-unit trucks with trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with single trailer 3 axles 4 axles 5 axles or more Not reported Truck-tractors with double trailers 5 axles 6 axles 7 axles 8 axles 8 axles Not reported Truck-tractors with double trailers Saxles Not reported Not reported Not reported Not reported	509.6 290.1 \$ 249.1 4.7 7 \$ 217.1 6.3 19.2 183.7 8.0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	142.7 142.7 S S S S V V V V V V V V V V V V V V V	<i>\$</i>	\$	226.8 8.2 2.3 S 2.9 216.2 6.1 19.2 183.7 7.3 S S V V	21.4 37.4 S 42.3 33.5 S 5.6 38.3 20.8 6.4 27.8 S S N N

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			Vehic	le size		Coefficient of
vernicular and operational characteristics	Total	Light	Medium	Light-heavy	Heavy-heavy	variation of total (percent)
TRUCK TYPE AND AXLE ARRANGEMENT—Con. Combinations—Con.						
Truck-tractors with triple trailers. 7 axles 8 axles 9 axles 10 axles or more Not reported	V V V V	V V V V	V V V V	V V V V	V V V V	N N N N N
Driving axles: 1	4 732.3 4 467.8 S S	4 167.9 3 923.0 V V	404.4 294.3 V	84.9 5.2 V	75.0 245.2 S S	7.2 7.4 S S
Total liftable axles and locations 12: None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis Not reported 2 or more Not reported 2 or more Forward of the drive axle Below the chassis Beyond the chassis Not reported Not reported Not applicable 10	587.4 8.5 8.5 8.5 9.4.1 .6.5 8.5 8.5 8.5 8.7 2.4 8.603.1	76.9 S S V V V S V V V V V V S 8 013.5	106.8 S S V V V V V V V V V S	90.1 V V V V V V V V V V V V V V V V V V V	313.6 5.7 S S 4.1 S S S S S V V 2.4 V	3.3 29.1 S 9.5 49.8 S S S S N 47.4 4.5
Total liftable axles and number of braking axles: None 1 0 braking 1 braking Not reported 2 or more 0 braking 1 braking 2 or more Not reported Not reported Not reported Not reported Not applicable 10 CAB TYPE	587.4 8.5 S 7.0 S S V V S V 2.4 8 603.1	76.9 S V V S V V V V V 8 013.5	106.8 S V S S V V V V V V S S S S O V S S S S	90.1 V V V V V V V V V	313.6 5.7 S 4.8 S V V V S V 2.4 V	3.3 29.1 S 33.9 S S N N S N 47.4 4.5
Conventional cab	547.2 100.6 421.1	73.4 V 73.4	85.9 V 85.9	87.3 V 87.2	300.6 100.6 174.6	3.5 9.4 4.1
Not reported Cab over engine	25.6 51.8 3.7	4.0 V	23.0 V	2.8 V	25.4 22.0 3.7	17.5 11.4 43.2
Without sleeper	43.3 4.8	4.0 V	23.0 V	2.8 V	13.5 4.8	12.1 46.8
Cab forward of engine Cab beside engine Not reported Not applicable ¹⁰	S S S 8 603.1	V S V 8 013.5	V S V 589.6	V V V	S V S V	S S S 4.5

N Not available. miles, or 0.05 percent. 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

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.

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.

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]

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive] Truck type								
Validade and an artificial about of the					Combination			
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
Total	9 202.7 4.2	8 693.1 4.4	509.6 21.4	290.1 37.4	217.1 5.6	s s	V N	X X
BUSINESS ¹								
For-hire transportation or warehousing	201.8 S 175.1 198.2 122.8	45.6 S 161.1 168.1 118.6	\$ 5.4 14.0 30.1 \$	S V 3.1 S S	76.1 5.4 10.8 29.6 S	S V S S V	V V V	38.9 S 42.3 41.0 46.3
Construction Manufacturing Wholesale trade Retail trade Information services	735.2 11.1 111.9 332.4 S	700.6 4.6 S 317.9 S	34.7 6.5 19.6 14.5 V	8.5 S S V	25.7 5.7 18.6 14.5 V	S V V V	V V V V	26.5 22.6 42.6 29.5 S
Waste management, landscaping, or administrative/support services . Arts, entertainment, or recreation services . Accommodation or food services . Other services . Personal transportation . Not reported . Not applicable ²	20.4 S S 338.1 6 660.6 141.2 S	19.6 S S 335.1 6 473.1 109.1 S	\$ \$ 3.0 187.5 32.1 V	V S V V 187.4 S V	\$ \$ 3.0 \$ 22.2 V	V V V V V	V V V V V	21.6 S S 37.2 5.1 37.2 S
BODY TYPE								
Single-unit trucks Pickup Minivan Other light vans Sport utility Armored	8 983.2 5 116.6 858.2 197.3 2 431.0 S	8 693.1 4 874.5 858.2 197.3 2 405.6 S	290.1 242.1 V V S V	290.1 242.1 V V S V	X	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	4.3 6.4 18.5 28.5 8.5 S
Beverage Concrete mixer Concrete pumper Crane Curtainside	\$ 11.1 \$ \$ V	\$ 11.1 \$ \$ V	\$ V V V	\$ V V V	N N N N N N N N N N N N N N N N N N N	N N N N	N N N N	\$ 17.5 \$ \$ N
Dump. Flatbed, stake, or platform. Low boy . Pole, logging, pulpwood, or pipe Service, utility.	28.8 82.0 S S 24.7	25.7 70.1 S S 23.9	3.1 11.9 V S S	3.1 11.9 V S S	Z Z Z Z Z	N N N N	N N N N	14.0 10.9 S S 20.5
Service, other Street sweeper Tank, dry bulk Tank, liquids or gases Tow/Wrecker	49.3 V S 30.8 13.7	49.3 V S 30.0 13.7	V V V S V	V V S V	Z Z Z Z Z Z	N N N N	N N N N	16.0 N S 19.2 37.2
Trash, garbage, or recycling	13.1 3.2 54.7 S 8.5	13.1 2.8 54.7 S 6.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	>	2	N N N N N	N N N N N	21.0 38.3 14.8 S 42.1
Van, open top Van, step, walk-in, or multistop Van, other Other	\$ 32.6 4.6 \$	S 32.6 3.5 S	V V S V	V V S V	N N N N	N N N N	N N N N	S 19.5 41.3 S
Truck-tractors Automobile carrier Beverage Curtainside Dump Flatbed, stake, or platform	219.5 S 8.1 V 43.8 41.3	>	219.5 S 8.1 V 43.8 41.3	Z Z Z Z Z	217.1 S 8.1 V 43.7 41.3	S V V S V	V V V V	5.6 S 28.3 N 11.2 15.7
Livestock. Low boy Mobile home toter Open top Pole, logging, pulpwood, or pipe	\$ 5.2 \$ 9.0 \$	N N N N	5.2 5.2 9.0 5	N N N N N N N N N N N N N N N N N N N	\$ 5.2 \$ 8.9 \$	V V V S V	V V V V	\$ 33.6 \$ 28.5 \$
Tank, dry bulk Tank, liquids or gases Van, basic enclosed Van, drop-frame Van, insulated nonrefrigerated	\$ 53.8 38.2 \$ V	N N N N N	\$ 53.8 38.2 \$ V	N N N N	\$ 53.8 38.2 \$ V	S V V V	V V V V	S 15.3 16.0 S N
Van, insulated refrigerated Other Not applicable ³	10.4 S V	N N V	10.4 S V	N N N	10.4 S V	V V V	V V	28.6 S N
ANNUAL MILES								
Less than 5,000 5,000 to 9,999 10,000 to 19,999 20,000 to 29,999 30,000 to 49,999	278.1 1 131.4 4 037.3 1 324.7 1 065.0	261.5 1 114.0 3 941.4 1 268.7 892.4	16.6 S 95.9 S S	14.3 S S S S	2.3 6.0 12.7 18.5 34.0	S V S V S	V V V	11.7 9.1 5.6 15.1 21.9
50,000 to 74,999	1 253.2 111.2 S	1 207.3 6.0 S	45.9 105.2 V	S S V	41.1 102.6 V	V S V	V V V	25.8 10.8 S

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

	and ose ourvey.	ey. Because of rounding, estimates may not be additive] Truck type						
Vehicular and operational characteristics		Singlo-unit			Combination			Coefficient of
venicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	variation of total (percent)
PRIMARY RANGE OF OPERATION								
Off-the-road 50 miles or less 51 to 100 miles 101 to 200 miles 201 to 500 miles	270.2 5 532.7 1 026.7 362.2 334.1	248.8 5 480.4 863.8 311.4 297.1	21.4 52.3 S S S 37.1	\$ 13.1 \$ \$ \$	16.6 38.6 29.6 16.3 33.4	V S S V V	V V V V	43.1 6.3 19.3 32.7 33.7
501 miles or more	248.5 1 426.4 S	S 1 359.6 S	118.2 66.9 V	S 24.5 V	40.2 42.3 V	S V V	V V	38.3 11.9 S
PRIMARY JURISDICTION								
Operated in Canada Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable ²	S S 7 494.7 326.5 1 196.7 S	S S 7 209.2 181.4 1 117.8 S	V V 285.6 145.1 78.9 V	>> % % % % >>	V V 117.1 64.3 35.8 V	V V S S V V	V V V V	\$ 5.2 22.7 13.2 \$
MONTHS OPERATED								
12. 7 to 11. 2 to 6. 1 or less Vehicle not used	7 517.2 1 168.0 469.8 S	7 150.1 1 054.2 446.1 S S	367.1 113.7 23.7 S V	211.5 S S V	153.4 47.5 14.5 1.8 V	\$ \	V V V V	5.0 16.4 28.3 S S
VEHICLE SIZE								
Light. Medium Light-heavy. Heavy-heavy	8 090.9 698.8 90.1 322.9	7 948.2 562.4 86.4 96.1	142.7 S S 226.8	142.7 S S 8.2	V V S 216.2	V V V S	V V V	4.5 27.5 10.7 4.6
AVERAGE WEIGHT (POUNDS)								
Less than 6,001 6,001 to 8,500 8,501 to 10,000 10,001 to 14,000 14,001 to 16,000	6 090.8 1 455.4 544.7 454.3 S	6 035.2 1 428.9 484.1 403.5 S	99999	99999	V V V V	V V V V	V V V V	5.7 13.5 28.5 33.3 S
16,001 to 19,500 19,501 to 26,000 26,001 to 33,000 33,001 to 40,000 40,001 to 50,000	26.4 90.1 27.7 16.3 33.9	23.2 86.4 24.8 10.7 21.7	S S 2.9 5.6 12.2	\$ \$ 2.4 \$ \$	V S S 5.2 9.7	V V V V	V V V V	24.5 10.7 21.3 28.3 13.9
50,001 to 60,000 60,001 to 80,000 80,001 to 100,000 100,001 to 130,000 130,001 or more	34.7 197.7 10.0 S S	26.7 11.5 V S V	8.0 186.2 10.0 S S	\$ 2.3 \$ V	7.8 183.7 9.1 S S	>	V V V	15.6 6.0 27.6 S
TOTAL LENGTH (FEET)								
Less than 20.0 20.0 to 27.9 28.0 to 35.9 36.0 to 40.9 41.0 to 44.9	7 393.3 890.2 521.4 50.7 S	7 393.3 878.7 397.5 12.5 3.3	V S S 38.3 S	V S S 12.4 S	V V S 25.9 7.6	V V V V	V V V V	5.0 20.5 22.7 14.6 S
45.0 to 49.9 50.0 to 54.9 55.0 to 59.9 60.0 to 64.9 65.0 to 69.9	\$ 24.4 27.5 71.7 45.4	S S V V	S 19.2 27.5 71.7 45.4	<i>\$\$\$</i> \$	8.8 15.2 24.1 71.6 44.0	V V S S	V V V	\$ 22.9 15.2 11.9 15.0
70.0 to 74.9 75.0 to 79.9 80.0 or more	12.8 S S	V	12.8 S S	S V V	12.4 S S	V V S	V V	27.1 S S
MILES PER GALLON								
Less than 5 5 to 6.9. 7 to 8.9. 9 to 10.9 11 to 12.9 13 to 14.9 15 or more 15 to 20.9 21 to 24.9 25 or more Not reported Not applicable ²	67.4 227.0 302.3 596.3 664.7 685.9 5 070.7 3 750.5 737.1 583.1 1 586.4	27.3 94.1 279.2 537.6 583.7 655.0 4 983.7 711.0 583.1 1 530.7	40.1 133.0 23.2 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$0.00000000000000000000000000000000000	37.9 127.7 5.5 1.2 8 8 8 V V 44.1	999>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	10.2 16.9 40.4 25.9 23.1 21.4 6.8 8.4 19.0 25.3 12.8

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

[Millions. Estimates are based on data from the 2002 Vehicle Inventory	and Use Survey	vey. Because of rounding, estimates may not be additive] Truck type								
				Truck	Combination					
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)		
MODEL YEAR										
2003 2002 2001 2001 2000	V 36.7 827.1 971.3 1 079.5	V 12.2 764.7 914.7 954.8	V 24.4 62.4 56.6 S	>	V 22.6 34.7 24.0 15.7	V V S S V	> > > >	N 20.9 18.2 17.4 19.3		
1998 1997 1996 1995 1994 1993 Pre-1993	677.0 723.8 831.4 762.6 450.8 388.7 2 453.9	668.7 708.6 812.2 748.8 407.0 365.6 2 335.6	8.3 15.2 19.2 13.9 S 23.0 118.3	99>9999	8.0 14.6 19.2 12.0 11.2 10.1 45.1	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	V V V V	24.3 24.1 21.8 20.3 18.2 23.6 10.0		
VEHICLE ACQUISITION										
New	4 177.5 4 039.1 986.1	3 912.5 3 828.2 952.4	265.1 210.8 33.7	S S 10.8	85.8 108.5 22.9	S S V	V V	7.6 8.7 13.7		
LEASE CHARACTERISTICS										
Leased Lessee Vehicle only Vehicle with driver Not reported Not applicable ⁴ Lessor Vehicle only Vehicle with driver	275.9 141.6 56.8 S V 76.5 29.5	224.0 108.5 27.3 V V S 57.7 13.5	51.9 33.0 29.5 S V V 18.8 16.0 S	999>>>>>	48.2 29.4 25.8 S V V 18.8 16.0	999>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	21.6 29.5 16.0 S N S 32.4 19.4		
Not reported Not applicable ⁴ Not reported Not leased Not reported	S S S 5 576.1 3 350.7	\$ \$ \$ 5 292.9 3 176.2	V V V 283.2 174.5	V V V S S	V V V 102.8 66.2	V V S S	V V V V	S S S 6.8 8.4		
Length of leasing agreement: Leased 1 to 11 months 12 months or more Not reported Not applicable4	275.9 S 89.6 S 179.3	224.0 S 40.6 S 179.3	51.9 S 49.1 V	\$ \$ \$ V	48.2 S 45.9 V	\$ \$ \$ V	> > > >	21.6 S 12.0 S 32.6		
Provisions of lease ⁵ : Financing only Full maintenance Payment of taxes Obtaining licenses and permits Recordkeeping Fuel contract	73.2 43.7 38.4 39.9 24.6 5.7	29.9 22.4 15.1 20.6 8.4 S	43.2 21.3 23.4 19.3 16.2 S	\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	39.5 20.7 22.8 18.7 16.2 S	S V V V V	V V V V	13.4 17.1 18.0 17.9 21.3 45.5		
PRIMARY OPERATOR CLASSIFICATION										
Private Motor carrier Owner operator Rental Personal transportation Not applicable ²	2 183.2 144.7 S 90.4 6 660.6	2 066.4 57.9 9.4 S 6 473.1	116.8 86.8 S 6.0 187.5 V	23.6 S S V 187.4 V	93.0 83.6 34.4 6.0 S V	\$ \$ V V V	V V V V	12.8 8.6 S 49.8 5.1 S		
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ⁶ Type of service: Truckload Less-than truckload	91.0 69.2 28.8 9 013.7 129.8 26.5	21.7 29.1 16.5 8 625.8 26.3 20.9	69.3 40.1 12.2 388.0 103.5 5.6	V S S 288.7 .9 V	68.8 37.7 11.5 99.1 100.4 5.6	\$\$>\$ \$>	> > > > >	10.5 12.1 19.2 4.3 8.4 20.5		
Not reported	32.7 9 013.7	20.1 8 625.8	12.5 388.0	\$ 288.7	12.0 99.1	V S	v V	18.7 4.3		
Source of hauls: Shippers or receivers Brokers Centralized markets or exchanges Other Not reported	116.9 18.2 1.3 V 52.6	36.6 S S V 28.5	80.3 16.4 .9 V 24.0	S V V S	77.8 16.4 .9 V 23.0	S V V V	V V V V	9.2 26.3 38.8 N 13.7		
Not applicable ⁶	9 013.7	8 625.8	388.0	288.7	99.1	Š	v	4.3		
HAZARDOUS MATERIALS CARRIED ⁷										
Carrying hazardous materials Not carrying hazardous materials Not reported Not applicable ⁸	50.0 410.3 101.8 8 640.6	17.8 248.2 61.9 8 365.3	32.2 162.2 39.9 275.3	S 14.6 S 269.2	30.0 146.9 34.1 6.1	\$ \$ V	V V V	16.2 4.2 9.8 4.5		
EQUIPMENT TYPE ^{5 9}										
Aerial work platform/bucket Air bag(s) (safety device only) Air compressor (except air brakes) Air-conditioning Air springs	6.4 4 815.1 60.7 7 479.4 105.7	6.4 4 631.1 23.2 7 071.7 8.5	V 184.1 37.5 407.7 97.3	V S S 221.1 S	V 26.9 35.4 184.2 94.2	V V S S S	V V V V	38.3 7.4 12.3 5.3 9.4		

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

[Millions. Estimates are based on data from the 2002 Vehicle Inventory	and Use Survey.	Survey. Because of rounding, estimates may not be additive] Truck type						
				Truck	Combination			
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
EQUIPMENT TYPE ^{5 9} —Con.								
Antilock brake system Collision warning system Computerized drive train control unit Crane Electronic vehicle identification device	5 458.4 12.4 1 007.6 8.4 9.7	5 136.6 10.6 971.7 7.7 S	321.8 S 35.9 S 8.6	212.0 S S V V	107.7 S 32.5 S 7.0	S V S V S	> > > > > > > > > > > > > > > > > > >	7.0 30.6 16.1 29.9 40.9
Engine retarder/brake Front-wheel drive Hoist Idle-reducing technology (portable auxiliary pack, electrification, etc.) Internet access	174.0 4 195.9 32.3 22.7 S	28.8 4 080.7 31.9 3.2 V	145.1 115.3 S 19.4 S	5.4 115.3 S V V	137.6 V V 19.4 S	S V V V	V V V V	6.9 7.9 18.4 26.8 S
Lift gate . Mounting bar for snowplow . Navigational system . Power take-off . Radial tires .	29.6 S S 177.4 6 243.2	29.5 S S 92.4 5 885.8	S V S 85.1 357.4	S V V 5.0 183.6	V V S 78.4 171.4	V V S S	V V V V	16.7 S S 6.9 6.2
Reflective material in addition to those required by law	79.0 218.1 1 827.2 348.6 1 111.1	34.6 91.8 1 543.3 345.4 1 076.6	44.4 126.4 283.9 S	\$ \$ \$ V	39.4 120.4 81.6 S	\$ \$ \$ \$ \$ \$ \$ \$	> > > > > > > > > > > > > > > > > > >	10.8 6.7 14.8 27.7
capabilities Vehicle control aids for handicapped drivers Wheelchair lift Winch	S S 154.3	S V 139.9	V S 14.4	V S S	V V 8.5	V V V	V V V	17.3 S S 34.3
Transmission type: Automatic Manual Semiautomated manual Automated manual Not reported	6 021.4 2 474.3 S S 674.6	5 898.1 2 138.4 S S 626.2	S 335.8 S V 48.4	\$ \$ V V \$	4.0 172.3 S V 38.8	V S V V	> > > > > > > > > > > > > > > > > > >	6.4 9.7 S S 16.1
Braking system: Hydraulic (standard) Hydraulic with power assist Air Other Not reported Not applicable ¹⁰	106.6 101.8 303.0 V 88.1 8 603.1	100.4 95.1 112.8 V 49.2 8 335.6	6.3 6.7 190.3 V 38.9 267.5	5.3 6.1 6.3 V S 267.5	S S 181.5 V 34.0 V	V V S V V	V V V V	9.6 10.1 5.0 N 11.2 4.5
FUEL TYPE AND ENGINE SIZE								
Fuel type: Gasoline Diesel Natural gas Propane Alcohol fuels	8 223.8 943.8 S 7.7 V	8 013.9 644.3 S 7.7 V	209.9 299.6 S V V	209.7 S V V V	S 216.8 S V V	V S V V	V V V V	4.6 14.8 S 45.0 N
Electricity Combination Other Not reported Not applicable ²	V S V V S	V S V V S	V V V	V V V V	V V V	V V V V	V V V V	N S N N S S
Cylinders ¹¹ : 4 cylinders 6 cylinders 8 cylinders Other	1 052.6 3 845.7 4 190.5 113.9	1 050.5 3 592.3 3 942.9 107.5	S 253.4 247.6 6.4	S S 246.9 S	S 211.4 S 3.6	V S V V	V V V	14.9 7.8 8.2 45.8
Cubic inch displacement ¹¹ : Gasoline fuel Less than 200 200 to 299 300 to 349 350 to 399 400 or more Not available Diesel fuel Less than 400 400 to 599 600 to 799 800 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Other fuel Less than 400 400 or more Not available Not reported Not applicable ²	8 223.8 1 919.0 2 721.1 1 402.3 1 783.4 390.3 7.7 943.8 208.0 469.2 104.9 117.7 44.0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8 013.9 1 919.0 2 721.1 1 321.6 1 674.5 370.6 644.3 143.4 450.8 26.5 10.1 S 2.8 S V	209.9 V V S S S S S 299.6 78.5 104.2 33.8 V V V	209.7 V V S S S S S 13.1 1.7 1.1 8 V V V V V	S V V V S V V S 216.8 S 5.2 74.5 103.0 33.0 S V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	>>>>>>>>>>>>>	4.6 10.9 11.0 14.3 13.9 29.1 31.5 14.8 28.1 27.3 7.8 8.4 13.9 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
REFUELING LOCATION								
Gas station Truck stop Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) Other company's/contractor's facility not open to the public Other Not reported Not applicable ²	7 848.5 255.6 360.1 37.7 V 699.0 S	7 581.7 125.5 283.3 29.8 V 671.0	266.8 130.1 76.8 7.9 V 28.1	243.5 S S S S V S V	23.0 101.1 67.5 7.2 V 18.4 V	\$\$ V\$V V	V V V V V	5.1 18.3 24.6 36.4 N 16.2

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

	·			Truck	type			
	ı				Combination			Coefficient of
Vehicular and operational characteristics	Total	Single-unit trucks and truck-tractors without trailer	Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers	Truck-tractor with triple trailers	Coefficient of variation of total (percent)
MAINTENANCE ⁵								<u> </u>
General maintenance performed by: None performed Company-owned maintenance facility General repair business or private mechanic Dealership service department Leasing company	92.6 1 270.3 4 003.5 1 923.9 10.0	92.3 1 158.0 3 837.7 1 813.0 7.9	S 112.2 165.7 110.9 S	V 10.2 S S S	\$ 99.7 77.9 45.8 \$	V S S V V	> > > >	38.5 18.1 8.7 12.3 32.9
Individual not employed/paid by any maintenance type facility	3 029.1 V 711.4 S	2 864.6 V 683.0 S	164.6 V 28.4 V	S V S V	39.6 V 18.7 V	V V V	> > >	9.5 N 15.9 S
Extensive repairs performed by: None performed Company-owned maintenance facility. General repair business or private mechanic Dealership service department Leasing company	6 420.9 S 760.5 713.5 V	6 011.9 S 731.2 692.2 V	408.9 13.9 29.3 21.3 V	274.5 S S S V	132.1 13.5 26.7 20.6 V	S V V V	> > > >	6.0 S 19.3 23.8 N
Component distributorship (engine, transmission, body, etc.)	\$ 571.9 V \$ \$	\$ 563.2 V S S	S 8.7 V S V	V S V V	\$ 6.9 V \$ V	V V V V	> > > >	\$ 22.9 N S S
AXLE ARRANGEMENT	ı							
Driving axles: 1 2 3 or more Not reported.	4 732.3 4 467.8 S S	4 532.4 4 160.4 S V	199.8 307.3 S S	S 118.6 V V	28.1 186.6 S S	S S V V	V V V	7.2 7.4 S S
Total liftable axles and locations 12: None 1 Forward of the drive axle Below the chassis Beyond the chassis Not reported 2 or more Forward of the drive axle Below the chassis Beyond the chassis Not reported Of the drive axle Below the chassis Beyond the chassis Not reported Not applicable 10	587.4 8.5 S S 4.1 .6 S S S S S V V 2.4 8 603.1	347.9 7.5 8 V 4.1 .6 8 8 8 8 8 8 V 1.0 8 335.6	239.6 S S S V V V V V V V S 267.5	22.5 \$ V \$ V V V V V S 267.5	214.7 \$\$\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$ > > > > > > > > > > > > > > > > > > >	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	3.3 29.1 8 19.5 49.8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Total liftable axles and number of braking axles: None 1 0 braking 1 braking Not reported 2 or more 0 braking 1 braking 2 or more braking Not reported Not reported Not reported Not reported Not reported Not Applicable 10	587.4 8.5 S 7.0 S V V V S V 2.4 8 603.1	347.9 7.5 8 6.5 S V V V S V 1.0 8 335.6	239.6 S V S S V V V V V S S 267.5	22.5 S V S V V V V V S 267.5	214.7 \$\sigma\$ \$\sigma\$ \$\sigma\$ \$\sigma\$ \$\sigma\$ \$\sigma\$	\$ V V V V V V V V V V V V V V V V V V V	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	3.3 29.1 S 33.9 S S N N S N 47.4
CAB TYPE	ı							
Conventional cab With sleeper Without sleeper Not reported	547.2 100.6 421.1 25.6	319.6 V 319.6 V	227.6 100.6 101.5 25.6	20.6 V 20.6 V	205.2 98.8 80.8 25.6	S S S V	V V V	3.5 9.4 4.1 17.5
Cab over engine With sleeper Without sleeper Not reported	51.8 3.7 43.3 4.8	37.4 V 37.4 V	14.4 3.7 5.9 4.8	S V S V	12.0 3.7 3.5 4.8	S V S V	V V V	11.4 43.2 12.1 46.8
Cab forward of engine	S S S 8 603.1	S S S 8 335.6	V V V 267.5	V V V 267.5	V V V	V V V	V V V	S S S 4.5

N Not available. miles, or 0.05 percent. 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

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.

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.

^{&#}x27;Distributed miles data are available in Table 8.

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

§Pickups, 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.

¹¹Pickups, 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.

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)	
	А	В	А	В
Total	9 202.7	599.6	4.2	3.2
TRAILER CONFIGURATION				
No trailer pulled Single trailer pulled Double trailers pulled Triple trailers pulled Not applicable ¹	8 560.1 638.4 S V S	353.5 241.9 S V S	4.3 15.2 S N S	4.4 5.3 S N S
RANGE OF OPERATION				
Off-the-road . 50 miles or less . 51 to 100 miles . 101 to 200 miles . 201 to 500 miles .	332.5 4 693.2 1 386.6 553.5 443.9	43.3 205.3 108.9 47.4 44.2	21.8 6.1 11.6 16.7 16.9	13.2 5.3 7.6 11.0 13.5
501 miles or more Not reported Not applicable ¹	364.7 1 426.4 S	44.0 104.6 S	25.0 11.9 S	16.0 9.8 S
JURISDICTION				
Operated in Canada Operated in Mexico Operated within the home base state Operated in states other than the home base state Not reported Not applicable ¹	S 7 234.8 648.6 1 196.7 S	S S 430.7 71.8 95.1 S	S S 5.1 11.8 13.2 S	S S 3.8 11.4 10.5 S
OPERATOR CLASSIFICATION Private	2 222.0	369.1	12.1	4.4
Motor carrier Owner operator Rental Personal transportation Not applicable ¹	155.5 S 90.3 6 605.2 S	147.5 44.0 27.6 9.6 S	9.5 S 49.8 5.0 S	8.4 13.0 21.8 24.3 S
For-hire characteristics: Type of carrier: Contract Common Not reported Not applicable ^{2 3} Type of service: Truckload Less-than truckload Not reported Not applicable ³	91.8 68.4 28.8 9 013.7 29.3 126.9 32.7 9 013.7	91.8 68.4 28.8 410.6 29.3 126.9 32.7 410.6	10.4 11.4 19.2 4.3 18.1 8.3 18.7 4.3	10.4 11.4 19.2 4.2 18.1 8.3 18.7 4.2
PRODUCTS CARRIED ⁴				
Animals and fish, live Animal feed and products of animal origin Grains, cereal All other agricultural products Basic chemicals.	S 14.0 9.7 6.3 4.0	3.7 7.6 4.9 4.7 3.8	\$ 34,9 37.1 30.7 47.3	35.6 31.4 26.7 33.1 49.9
Fertilizers and fertilizer materials Pharmaceutical products All other chemical products and preparations Alcoholic beverages Bakery and milled grain products	S 8.7 8.5 11.1	\$ \$ \$ 8.5 9.7	\$ \$ 49.1 27.9 34.3	\$ \$ \$ 27.9 36.6
Meat, seafood, and their preparations. Tobacco products All other prepared foodstuffs Logs and other wood in the rough Paper or paperboard articles	8.6 .7 30.2 2.7 S	\$ \$ 17.0 2.3 \$	44.8 47.9 31.7 33.6 S	\$ 19.7 35.3 \$
Printed products Pulp, newsprint, paper, and paperboard Wood products Articles of base metal Base metal in primary or semifinished forms	89888	S 8.6 19.9 7.9	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 28.6 21.4 35.9
Nonmetallic mineral products Tools, nonpowered Tools, powered Electronic and other electrical equipment Furniture, mattresses, lamps, etc.	57.3 589.7 315.9 S 12.5	20.9 62.5 49.3 5.2 6.5	46.1 26.3 31.1 S 44.9	17.2 11.7 13.6 41.7 41.3
Machinery. Miscellaneous manufactured products Precision instruments and apparatus Textile, leather, and related articles Vehicles, including parts	56.1 S S S 11.9	14.9 7.9 S S 11.9	39.8 S S S 31.0	23.7 31.9 \$ \$ \$ 31.0
All other transportation equipment Coal Crude petroleum Gravel or rushed stone Metallic ores and concentrates	\$ 5 1.2 20.4 \$	\$ 5 1.2 20.4 \$	\$ \$ 41.9 10.9 \$	\$ \$ 41.9 10.9 \$
Monumental or building stone . Natural sands . All other nonmetallic minerals . Fuel oils . Gasoline and aviation turbine fuel	\$ 5.7 .7 .8 7.7	S 5.7 .7 7.4 7.6	\$ 26.5 48.3 \$ 33.5	\$ 26.5 48.3 27.5 33.6

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]

[Millions: Estimates are based on data from the 2002 Venicle inventory and Ose Survey. Because or 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	В	A	В			
PRODUCTS CARRIED ⁴ —Con.							
Plastics and rubber . All other coal and refined petroleum products Hazardous waste (EPA manifest) All other waste and scrap (non-EPA manifest) Recyclable products	S 25.0	\$ 8.2 \$ 21.2 .3	S 30.3 S 19.3 S	S 29.0 S 18.3 38.2			
Mail and courier parcels. Empty shipping containers Passengers Mixed freight Products, equipment, or materials not elsewhere classified Products not specified Not applicable	3.0 S 3.8 12.5 71.4	16.3 3.0 S 3.8 12.5 32.1 S	27.8 40.8 S 38.9 18.2 41.2	28.8 40.8 S 38.9 18.2 17.2			
HAZARDOUS MATERIALS CARRIED4							
Division 1.1, Explosives Division 1.2, Explosives Division 1.3, Explosives Division 1.4, Explosives Division 1.5, Explosives	V S	\$ V \$ \$	S N N S S	8 R N 8 8			
Division 1.6, Explosives Division 2.1, Flammable gas Division 2.2, Nonflammable gas Division 2.3, Poison gas Class 3, Flammable	11.9 S S	\$ 11.9 \$ \$ 14.4	\$ 27.8 \$ \$ 27.6	\$ 27.8 \$ \$ \$ 27.6			
Combustible liquid . Oxygen 2, Oxygen Division 4.1, Flammable solid Division 4.2, Spontaneously combustible Division 4.3, Dangerous when wet	S S S	2.3 S S S	43.5 S S S S	43.5 S S S S			
Division 5.1, Oxidizer Division 5.2, Organic peroxide Division 6.1, Poison inhalation hazard. Division 6.1, Poison Class 7, Radioactive	S V S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Class 8, Corrosive Class 9 Hazardous materials not specified Not applicable ¹	S	5555	5555	\$ 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			

N Not available. miles, or 0.05 percent. 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

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)=

$$= 27.6 * \sqrt{\frac{46.0 * (2222.2 - 40.0)}{40.0 * (2222.2 - 46.0)}}$$

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