

Kansas: 2002

Issued November 2004

EC02TV-KS

2002 Economic Census

Vehicle Inventory and Use Survey

Geographic Area Series



USCENSUSBUREAU

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).

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

Vehicle Inventory and Use Survey	1
Tables	
1a. Trucks—Comparative Summary: 2002 and Earlier Years	11
1b. Trucks—Comparative Summary for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997	11
2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 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. Truck Miles by Vehicle Size: 2002	46
7. Truck Miles by Truck Type: 2002	51
8. Truck Miles Distribution by Operational Characteristics: 2002 ..	56
Appendix	
Approximating Unpublished Relative Standard Errors	A-1

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

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

Vehicular and operational characteristics	2002	1997	1992	1987	Vehicular and operational characteristics	2002	1997	1992	1987
Total	100.0	100.0	100.0	100.0	MODEL YEAR				
BUSINESS¹					1 to 2 years old	13.3	12.6	9.6	10.1
Agriculture, forestry, fishing, or hunting	8.3	12.9	18.7	21.5	3 to 4 years old	13.3	13.4	9.7	14.4
Mining	S	.8	1.0	1.8	Over 4 years old	73.4	74.0	80.7	75.5
Construction	5.3	6.1	7.2	6.7	VEHICLE ACQUISITION				
Manufacturing	1.2	1.2	1.7	.9	New	32.1	32.5	33.5	39.3
Wholesale and retail trade	3.9	4.1	4.1	3.9	Used	63.3	63.1	64.0	58.3
For-hire transportation or warehousing	1.9	1.3	1.6	2.2	Not reported ⁴	4.6	4.4	2.5	2.4
Utilities and all services	4.0	4.7	4.0	3.8	TRUCK TYPE				
Personal transportation	71.3	65.7	58.0	58.8	Single-unit trucks ⁵	95.8	97.4	95.7	96.5
Other, not reported, and not applicable	3.6	3.2	3.8	.5	2 axles	94.6	95.9	93.9	94.9
BODY TYPE					3 axles or more	1.1	1.5	1.8	1.6
Pickup, minivan, other light vans, and sport utility	89.8	88.4	85.5	82.7	Trailer/axles not specified	V	N	N	N
Flatbed, stake, platform, and low boy	2.4	4.0	5.1	7.1	Combinations	4.2	2.6	4.3	3.5
Van ²	3.4	.9	1.2	1.6	3 axles .....	.8	.2	1.0	.6
Service, utility .....	.4	.2	.3	.1	4 axles	1.5	.6	1.3	.9
Van, step, walk-in, or multistop .....	.4	.9	.5	.5	5 axles or more	1.7	1.8	2.0	1.9
Dump	1.9	.9	1.2	.7	Trailer/axles not specified .....	.2	V	V	V
Tank for liquids, gases, or dry bulk .....	.5	.4	.8	1.1	RANGE OF OPERATION				
Other and not applicable	1.1	4.2	5.5	6.2	50 miles or less	71.1	72.6	71.0	74.9
VEHICLE SIZE					51 to 200 miles	11.6	13.8	11.5	13.1
Light	89.6	90.4	87.3	85.5	201 miles or more	3.2	4.5	6.3	3.7
Medium	3.4	2.9	4.2	4.2	Off-the-road, not reported, and not applicable	14.1	9.1	11.2	8.2
Light-heavy	2.0	2.0	3.2	4.6	FUEL TYPE				
Heavy-heavy	4.9	4.7	5.3	5.7	Gasoline	86.1	93.6	92.1	93.5
ANNUAL MILES					All other fuels	11.8	6.0	7.3	6.4
Less than 5,000 ³	24.2	26.0	27.5	33.0	Other, not reported, and not applicable	2.1	.3	.7	.1
5,000 to 9,999	21.2	18.2	24.2	26.4					
10,000 to 19,999	39.2	36.8	34.5	29.8					
20,000 to 29,999	9.2	12.8	9.4	6.3					
30,000 or more	6.2	6.2	4.5	4.6					

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

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

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

³Includes vehicles not in use.

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

⁵Excludes truck-tractors not in use.

Note: The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

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

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

Vehicular and operational characteristics	2002	1997	Vehicular and operational characteristics	2002	1997
Total	100.0	100.0	MODEL YEAR		
BUSINESS¹			1 to 2 years old	3.9	6.6
Agriculture, forestry, fishing, or hunting	43.1	45.3	3 to 4 years old	7.6	5.3
Mining	1.6	1.6	Over 4 years old	88.5	88.1
Construction	14.3	14.5	VEHICLE ACQUISITION		
Manufacturing	2.4	2.4	New	28.4	24.5
Wholesale and retail trade	8.4	8.7	Used	67.7	69.2
For-hire transportation or warehousing	12.7	10.2	Not reported ⁴	3.9	6.3
Utilities and all services	9.9	8.3	TRUCK TYPE		
Personal transportation .....	.7	3.4	Single-unit trucks ⁵	74.0	79.4
Other, not reported, and not applicable	7.0	5.6	2 axles	62.3	66.1
BODY TYPE			3 axles or more	11.3	13.3
Flatbed, stake, platform, and low boy	23.3	34.4	Trailer/axles not specified .....	.4	N
Van ²	33.7	8.0	Combinations	26.0	20.6
Service, utility	4.2	1.8	3 axles	2.2	1.3
Van, step, walk-in, or multistop	4.3	7.7	4 axles	5.3	4.1
Dump	18.4	7.8	5 axles or more	17.0	15.2
Tank for liquids, gases, or dry bulk	5.1	3.8	Trailer/axles not specified	1.6	V
Other and not applicable	11.0	36.5	RANGE OF OPERATION		
VEHICLE SIZE			50 miles or less	62.3	60.5
Light	12.0	20.0	51 to 200 miles	12.6	13.9
Medium	20.1	22.1	201 miles or more	7.1	6.5
Light-heavy	19.8	17.4	Off-the-road, not reported, and not applicable	18.0	19.1
Heavy-heavy	48.0	40.6	FUEL TYPE		
ANNUAL MILES			Gasoline	45.8	60.2
Less than 5,000 ³	52.5	53.9	All other fuels	50.5	37.0
5,000 to 9,999	11.0	12.0	Other, not reported, and not applicable	3.7	2.7
10,000 to 19,999	14.7	14.2			
20,000 to 29,999	6.0	5.0			
30,000 or more	15.9	15.0			

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

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

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

³Includes vehicles not in use.

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

⁵Excludes truck-tractors not in use.

Note: The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
Total	1 079.1	1 082.6	-3	13 236.6	13 726.2	-3.6	12.3	12.7	-3.3
BUSINESS¹									
For-hire transportation or warehousing	20.0	14.5	38.5	1 005.3	995.1	1.0	50.2	68.8	-27.1
Vehicle leasing or rental	8.8	S	S	137.6	84.9	62.0	15.6	S	S
Agriculture, forestry, fishing, or hunting	89.3	140.1	-36.3	711.6	1 116.3	-36.3	8.0	8.0	V
Mining	S	8.6	S	S	80.8	S	S	9.3	S
Utilities	7.3	12.7	-42.9	97.6	176.9	-44.8	13.4	13.9	-3.4
Construction	56.9	65.7	-13.3	698.7	930.3	-24.9	12.3	14.2	-13.4
Manufacturing	12.9	13.2	-2.4	204.7	250.9	-18.4	15.8	19.0	-16.4
Wholesale trade	5.6	14.1	-60.1	112.9	308.6	-63.4	20.1	21.9	-8.2
Retail trade	36.2	30.6	18.3	830.9	516.2	61.0	22.9	16.9	36.1
Information services .....	.8	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	11.5	N	N	61.9	N	N	5.4	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	1.0	N	N	38.5	N	N	37.7	N	N
Other services	23.0	N	N	429.4	N	N	18.7	N	N
Personal transportation	769.8	710.7	8.3	8 615.1	8 688.0	-8	11.2	12.2	-8.4
Not reported	7.2	V	N	108.9	V	N	15.2	V	N
Not applicable ²	22.8	29.9	-23.8	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	1 055.4	1 060.8	-5	12 067.3	12 455.2	-3.1	11.4	11.7	-2.6
Pickup	562.3	595.5	-5.6	5 991.1	6 561.7	-8.7	10.7	11.0	-3.3
Minivan	108.0	123.3	-12.4	1 322.6	1 994.3	-33.7	12.2	16.2	-24.3
Other light vans	72.4	64.1	12.9	947.2	761.1	24.4	13.1	11.9	10.2
Sport utility	226.4	174.5	29.7	3 123.8	2 346.8	33.1	13.8	13.4	2.6
Armored	V	N	N	V	N	N	V	N	N
Beverage	S	V	S	S	V	S	S	V	S
Concrete mixer	1.0	1.2	-19.2	5.4	16.3	-66.8	5.5	13.4	-58.9
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	1.8	S	S	34.4	N	S	18.9	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	16.8	8.1	108.0	97.9	80.9	21.0	5.8	10.0	-41.8
Flatbed, stake, or platform	20.7	35.4	-41.5	115.5	212.0	-45.5	5.6	6.0	-6.9
Low boy	S	1.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Service, utility	4.6	2.3	103.0	54.6	18.7	192.0	11.9	8.3	43.8
Service, other	3.2	2.1	49.6	45.3	34.3	32.1	14.2	16.1	-11.7
Street sweeper	V	N	N	V	N	N	V	N	N
Tank, dry bulk .....	.7	S	S	1.0	S	S	1.4	S	S
Tank, liquids or gases	3.5	2.3	49.3	43.7	27.5	58.9	12.6	11.8	6.4
Tow/Wrecker	2.0	S	S	46.0	S	S	23.3	S	S
Trash, garbage, or recycling	2.1	2.6	-19.8	35.2	47.0	-25.1	16.9	18.1	-6.6
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	5.6	2.7	109.4	74.3	57.1	30.2	13.4	21.5	-37.8
Van, insulated nonrefrigerated	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated .....	.6	S	S	S	S	S	S	S	S
Van, open top	18.0	26.2	-31.3	25.3	72.2	-64.9	1.4	2.8	-48.9
Van, step, walk-in, or multistop	4.7	9.6	-50.7	93.8	119.7	-21.6	19.8	12.4	58.9
Van, other	1.5	N	N	23.0	N	N	15.0	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	23.7	21.8	8.7	1 169.2	1 271.0	-8.0	49.4	58.3	-15.3
Automobile carrier	S	V	S	S	V	S	S	V	S
Beverage .....	.5	S	S	6.8	S	S	12.8	S	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	3.4	1.7	100.1	106.7	102.7	3.9	31.0	59.6	-48.0
Flatbed, stake, or platform	3.5	2.2	57.0	139.8	107.3	30.3	39.6	47.7	-17.0
Livestock	1.1	1.2	-3.2	45.9	70.2	-34.6	40.5	59.9	-32.4
Low boy	1.4	1.8	-24.1	23.2	37.9	-38.8	17.0	21.1	-19.3
Mobile home toter .....	.1	N	N	S	N	N	S	N	N
Open top	4.1	5.2	-20.9	113.1	158.4	-28.6	27.5	30.5	-9.7
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	.6	.4	53.4	45.7	28.0	63.2	82.8	77.8	6.4
Tank, liquids or gases .....	.9	1.7	-47.8	65.2	118.6	-45.1	73.8	70.1	5.2
Van, basic enclosed	4.7	3.8	22.7	322.2	327.5	-1.6	68.9	85.9	-19.8
Van, drop-frame	S	.2	S	S	S	S	S	S	S
Van, insulated nonrefrigerated	S	.2	S	S	30.0	S	S	124.7	S
Van, insulated refrigerated	2.1	2.4	-10.3	271.2	264.0	2.7	128.0	111.7	14.6
Other	S	N	N	S	N	N	S	N	N
Not applicable ³ .....	.7	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	238.4	255.4	-6.7	409.0	499.7	-18.1	1.7	2.0	-12.3
5,000 to 9,999	229.2	196.9	16.4	1 613.4	1 369.0	17.9	7.0	7.0	1.3
10,000 to 19,999	423.2	398.6	6.2	5 657.1	5 408.1	4.6	13.4	13.6	-1.5
20,000 to 29,999	98.8	138.3	-28.6	2 214.3	3 109.4	-28.8	22.4	22.5	-3
30,000 to 49,999	47.8	53.1	-10.0	1 714.9	1 829.8	-6.3	35.9	34.5	4.1
50,000 to 74,999	9.0	3.7	145.9	532.3	207.7	156.3	59.0	56.6	4.2
75,000 or more	9.9	10.8	-8.6	1 059.0	1 302.5	-18.7	106.9	120.2	-11.1
Not applicable ²	22.8	25.7	-11.2	S	V	S	S	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	27.3	72.7	-62.5	457.4	519.6	-12.0	16.8	7.1	134.7
50 miles or less	766.9	785.5	-2.4	8 273.8	9 209.5	-10.2	10.8	11.7	-8.0
51 to 100 miles	89.8	105.2	-14.6	1 385.2	1 477.9	-6.3	15.4	14.1	9.8
101 to 200 miles	35.2	44.6	-21.1	702.9	997.7	-29.5	20.0	22.4	-10.7
201 to 500 miles	13.6	22.6	-39.5	306.5	786.6	-61.0	22.5	34.9	-35.6
501 miles or more	21.0	26.3	-20.4	677.5	734.9	-7.8	32.3	27.9	15.8
Not reported	102.5	25.7	298.9	1 396.8	V	N	13.6	V	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	V	N	N	V	N	N	V	N	N
Operated in Mexico	V	N	N	V	N	N	V	N	N
Operated within the home base state	942.2	N	N	11 386.6	N	N	12.1	N	N
Operated in states other than the home base state	18.2	N	N	728.8	N	N	40.0	N	N
Not reported	95.8	N	N	1 084.7	N	N	11.3	N	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	756.8	N	N	10 504.0	N	N	13.9	N	N
7 to 11	115.2	N	N	1 600.9	N	N	13.9	N	N
2 to 6	120.7	N	N	987.6	N	N	8.2	N	N
1 or less	63.7	N	N	107.5	N	N	1.7	N	N
Vehicle not used	22.8	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	967.3	979.1	-1.2	11 387.9	11 839.6	-3.8	11.8	12.1	-2.6
Medium	37.1	30.9	20.0	323.2	182.3	77.3	8.7	5.9	47.8
Light-heavy	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
Heavy-heavy	52.8	50.8	3.9	1 404.3	1 546.1	-9.2	26.6	30.4	-12.6
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	705.4	901.8	-21.8	8 075.4	10 879.8	-25.8	11.4	12.1	-5.1
6,001 to 8,500	211.6	N	N	2 572.0	N	N	12.2	N	N
8,501 to 10,000	50.4	N	N	740.5	N	N	14.7	N	N
10,001 to 14,000	26.6	15.1	76.1	250.6	94.2	166.1	9.4	6.2	51.1
14,001 to 16,000	5.1	6.2	-18.5	34.3	43.4	-20.8	6.8	7.0	-2.8
16,001 to 19,500	5.5	9.6	-43.1	38.3	44.7	-14.4	7.0	4.6	50.5
19,501 to 26,000	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
26,001 to 33,000	9.8	14.1	-30.2	66.6	77.3	-13.8	6.8	5.5	23.6
33,001 to 40,000	6.8	4.3	56.7	45.1	48.5	-7.2	6.6	11.2	-40.8
40,001 to 50,000	8.6	10.6	-18.8	99.1	259.8	-61.8	11.5	24.5	-53.0
50,001 to 60,000	9.7	7.0	39.8	164.0	214.7	-23.6	16.9	30.9	-45.4
60,001 to 80,000	14.8	13.7	8.4	867.4	884.3	-1.9	58.5	64.6	-9.5
80,001 to 100,000	3.0	1.2	161.0	157.8	59.5	165.2	51.8	51.0	1.6
100,001 to 130,000	S	S	S	S	S	S	S	S	S
130,001 or more	V	V	N	V	V	N	V	V	N
TOTAL LENGTH (FEET)									
Less than 20.0	863.9	991.8	-12.9	10 094.9	11 897.8	-15.2	11.7	12.0	-2.6
20.0 to 27.9	102.4	49.7	106.1	942.8	337.8	179.1	9.2	6.8	35.5
28.0 to 35.9	77.3	14.9	420.5	894.4	175.1	410.8	11.6	11.8	-1.9
36.0 to 40.9	11.4	2.2	411.0	134.9	34.0	296.6	11.8	15.2	-22.4
41.0 to 44.9	2.0	S	S	37.0	53.4	-30.7	18.4	S	S
45.0 to 49.9	1.9	2.8	-30.2	33.9	62.7	-45.9	17.5	22.5	-22.5
50.0 to 54.9	3.0	1.9	60.6	68.3	77.4	-11.8	22.6	41.2	-45.1
55.0 to 59.9	4.5	4.3	3.3	119.3	201.7	-40.8	26.8	46.8	-42.8
60.0 to 64.9	4.8	4.6	5.1	249.9	242.4	3.1	51.6	52.6	-1.9
65.0 to 69.9	4.5	4.4	1.3	383.7	404.2	-5.1	85.2	91.0	-6.3
70.0 to 74.9	2.6	2.2	20.6	219.1	216.0	1.4	83.7	99.5	-15.9
75.0 to 79.9 .....	.6	N	N	54.9	N	N	93.3	N	N
80.0 or more .....	.2	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	16.8	14.2	18.2	294.9	225.1	31.0	17.6	15.9	10.8
5 to 6.9	39.5	36.9	7.0	947.1	1 141.6	-17.0	24.0	30.9	-22.5
7 to 8.9	37.1	28.9	28.7	334.1	339.1	-1.5	9.0	11.7	-23.4
9 to 10.9	86.2	106.0	-18.6	881.3	775.5	13.6	10.2	7.3	39.6
11 to 12.9	91.1	109.1	-16.5	896.7	1 024.5	-12.5	9.8	9.4	4.8
13 to 14.9	72.7	139.6	-47.9	840.1	1 510.1	-44.4	11.6	10.8	6.8
15 or more	556.0	627.4	-11.4	7 426.3	8 566.0	-13.3	13.4	13.7	-2.2
15 to 20.9	427.4	490.0	-12.8	5 884.6	6 306.7	-6.7	13.8	12.9	7.0
21 to 24.9	95.9	112.4	-14.6	1 170.8	1 743.2	-32.8	12.2	15.5	-21.3
25 or more	32.7	25.0	30.8	370.9	S	S	11.3	S	S
Not reported	156.7	20.5	663.0	1 579.5	144.1	995.9	10.1	7.0	43.6
Not applicable ²	22.8	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	81.3	N	N	1 454.3	N	N	17.9	N	N
2001	62.4	N	N	1 140.2	N	N	18.3	N	N
2000	65.6	N	N	1 014.0	N	N	15.5	N	N
1999	77.9	N	N	1 372.8	N	N	17.6	N	N
1998	70.8	S	S	1 077.5	S	S	15.2	S	S
1997	71.0	67.2	5.7	1 108.9	1 131.2	-2.0	15.6	16.8	-7.2
1996	68.6	58.9	16.5	1 138.5	1 248.3	-8.8	16.6	21.2	-21.7
1995	51.6	72.8	-29.2	625.1	1 446.0	-56.8	12.1	19.9	-39.0
1994	51.6	72.0	-28.3	794.7	1 292.1	-38.5	15.4	17.9	-14.2
1993	52.6	61.5	-14.5	740.1	962.0	-23.1	14.1	15.7	-10.0
Pre-1993	425.6	739.8	-42.5	2 770.4	7 623.0	-63.7	6.5	10.3	-36.8
VEHICLE ACQUISITION									
New	346.5	351.5	-1.4	5 396.4	4 806.3	12.3	15.6	13.7	13.9
Used	683.3	683.6	V	7 211.5	7 881.8	-8.5	10.6	11.5	-8.5
Not reported	49.3	47.4	3.9	628.7	1 038.0	-39.4	12.8	21.9	-41.7
LEASE CHARACTERISTICS									
Leased	36.9	N	N	845.0	N	N	22.9	N	N
Lessee	29.8	N	N	704.6	N	N	23.6	N	N
Vehicle only	5.9	N	N	318.3	N	N	53.8	N	N
Vehicle with driver	1.3	N	N	127.3	N	N	96.1	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ⁴	22.5	N	N	257.4	N	N	11.5	N	N
Lessor	S	N	N	81.2	N	N	S	N	N
Vehicle only .....	.8	N	N	48.6	N	N	64.2	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not applicable ⁴	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	654.7	N	N	8 083.3	N	N	12.3	N	N
Not reported	387.5	N	N	4 308.2	N	N	11.1	N	N
Length of leasing agreement:									
Leased	36.9	N	N	845.0	N	N	22.9	N	N
1 to 11 months .....	.2	N	N	10.5	N	N	57.3	N	N
12 months or more	7.9	N	N	488.2	N	N	61.6	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ⁴	28.6	N	N	338.6	N	N	11.9	N	N
Provisions of lease ⁵ :									
Financing only	4.3	N	N	180.8	N	N	42.1	N	N
Full maintenance	1.6	N	N	103.7	N	N	65.3	N	N
Payment of taxes	2.6	N	N	201.4	N	N	78.0	N	N
Obtaining licenses and permits	3.4	N	N	299.7	N	N	89.1	N	N
Recordkeeping	2.2	N	N	183.2	N	N	84.2	N	N
Fuel contract .....	.7	N	N	49.2	N	N	75.1	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	253.8	N	N	3 296.0	N	N	13.0	N	N
Motor carrier	15.7	N	N	837.6	N	N	53.3	N	N
Owner operator	8.1	N	N	313.8	N	N	38.6	N	N
Rental	8.8	N	N	137.6	N	N	15.6	N	N
Personal transportation	769.8	N	N	8 615.1	N	N	11.2	N	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	6.4	N	N	508.1	N	N	79.3	N	N
Common	8.6	N	N	442.9	N	N	51.5	N	N
Not reported	2.8	N	N	66.6	N	N	23.6	N	N
Not applicable ⁶	1 061.3	N	N	12 219.0	N	N	11.5	N	N
Type of service:									
Truckload	11.0	9.3	18.5	765.2	789.9	-3.1	69.8	85.4	-18.3
Less-than truckload	4.0	2.5	61.2	180.7	104.1	73.6	44.7	41.5	7.6
Not reported	2.8	N	N	71.6	N	N	25.4	N	N
Not applicable ⁶	1 061.3	N	N	12 219.0	N	N	11.5	N	N
Source of hauls:									
Shippers or receivers	11.6	N	N	755.0	N	N	65.3	N	N
Brokers .....	.7	N	N	57.8	N	N	82.7	N	N
Centralized markets or exchanges .....	.5	N	N	13.5	N	N	25.1	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	5.0	N	N	191.2	N	N	38.0	N	N
Not applicable ⁶	1 061.3	N	N	12 219.0	N	N	11.5	N	N
HAZARDOUS MATERIALS CARRIED⁷									
Carrying hazardous materials	5.4	5.4	-3	244.9	403.9	-39.4	45.2	74.3	-39.2
Not carrying hazardous materials	87.7	102.4	-14.4	1 350.4	1 556.5	-13.2	15.4	15.2	1.3
Not reported	11.3	27.2	-58.3	225.5	263.1	-14.3	19.9	9.7	105.5
Not applicable ⁸	974.6	N	N	11 415.7	N	N	11.7	N	N
EQUIPMENT TYPE^{5 9}									
Aerial work platform/bucket	1.7	N	N	12.3	N	N	7.3	N	N
Air bag(s) (safety device only)	540.8	236.1	129.1	7 977.7	4 476.8	78.2	14.8	19.0	-22.2
Air compressor (except air brakes)	4.0	N	N	107.6	N	N	27.1	N	N
Air-conditioning	852.3	764.4	11.5	11 514.0	11 439.1	.7	13.5	15.0	-9.7
Air springs	10.4	N	N	595.5	N	N	57.4	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE^{5 9}—Con.									
Antilock brake system	562.6	404.6	39.0	8 346.3	6 483.1	28.7	14.8	16.0	-7.4
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	126.5	N	N	1 688.0	N	N	13.3	N	N
Crane	2.5	N	N	31.9	N	N	12.5	N	N
Electronic vehicle identification device .....	.5	2.0	-75.8	41.3	187.6	-78.0	86.4	94.7	-8.8
Engine retarder/brake	12.1	10.3	17.8	780.6	833.4	-6.3	64.4	81.0	-20.5
Front-wheel drive	387.5	154.9	150.2	5 229.4	2 483.9	110.5	13.5	16.0	-15.9
Hoist	34.1	N	N	100.3	N	N	2.9	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	N	N	90.8	N	N	48.4	N	N
Internet access .....	.1	N	N	S	N	N	S	N	N
Lift gate	4.4	N	N	50.3	N	N	11.4	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	.4	S	S	42.0	S	S	95.4	S
Power take-off	41.7	N	N	528.8	N	N	12.7	N	N
Radial tires	727.2	835.3	-12.9	9 201.7	11 810.5	-22.1	12.7	14.1	-10.5
Reflective material in addition to those required by law	8.4	16.3	-48.3	283.9	619.1	-54.2	33.6	37.9	-11.3
Road speed governor	21.2	22.6	-6.0	788.6	892.3	-11.6	37.1	39.5	-6.0
Toolbox	144.6	N	N	1 908.1	N	N	13.2	N	N
Trip recorder or on-board computer with communication capabilities	41.1	N	N	713.4	N	N	17.3	N	N
Trip recorder or on-board computer without communication capabilities	168.9	N	N	2 178.6	N	N	12.9	N	N
Vehicle control aids for handicapped drivers	S	S	S	S	S	S	S	S	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	15.4	N	N	221.9	N	N	14.4	N	N
Transmission type:									
Automatic	807.8	N	N	9 933.5	N	N	12.3	N	N
Manual	242.4	N	N	2 970.9	N	N	12.3	N	N
Semiautomated manual .....	.5	N	N	S	N	N	S	N	N
Automated manual .....	.1	N	N	S	N	N	S	N	N
Not reported	28.3	N	N	312.1	N	N	11.0	N	N
Braking system:									
Hydraulic (standard)	36.7	37.2	-1.4	283.7	247.5	14.6	7.7	6.6	16.3
Hydraulic with power assist	26.9	36.0	-25.3	197.1	249.1	-20.9	7.3	6.9	6.0
Air	40.7	38.5	5.8	1 303.4	1 463.1	-10.9	32.0	38.0	-15.8
Other	V	1.3	N	V	S	S	V	S	S
Not reported	5.6	N	N	67.7	N	N	12.1	N	N
Not applicable ¹⁰	969.1	N	N	11 384.6	N	N	11.7	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	929.1	1 013.3	-8.3	10 574.2	11 723.6	-9.8	11.4	11.6	-1.6
Diesel	105.3	61.2	72.1	2 270.0	1 973.0	15.1	21.6	32.2	-33.1
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.2	N	N	S	N	N	S	N	N
Alcohol fuels	S	N	N	S	N	N	S	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	18.6	N	N	322.2	N	N	17.3	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N
Cylinders ¹¹ :									
4 cylinders	96.3	123.6	-22.1	1 098.8	1 442.8	-23.8	11.4	11.7	-2.3
6 cylinders	413.6	410.1	.8	6 212.0	6 844.6	-9.2	15.0	16.7	-10.0
8 cylinders	523.0	476.9	9.7	5 645.2	5 145.3	9.7	10.8	10.8	V
Other	46.2	72.0	-35.8	280.5	293.4	-4.4	6.1	4.1	48.8
Cubic inch displacement ¹¹ :									
Gasoline fuel:									
Less than 200	182.3	223.0	-18.3	2 077.6	2 837.5	-26.8	11.4	12.7	-10.4
200 to 299	284.9	226.7	25.7	4 100.5	3 398.9	20.6	14.4	15.0	-4.0
300 to 349	187.8	186.0	.9	2 343.9	2 052.6	14.2	12.5	11.0	13.1
350 to 399	182.5	218.4	-16.5	1 571.1	2 552.6	-38.5	8.6	11.7	-26.3
400 or more	47.9	60.5	-20.9	1 372.9	555.5	32.9	7.8	9.2	-15.2
Not available	43.8	98.7	-55.6	108.2	326.5	-66.9	2.5	3.3	-25.3
Diesel fuel:									
Less than 400	105.3	61.2	72.1	2 270.0	1 973.0	15.1	21.6	32.2	-33.1
400 to 599	22.7	11.4	98.2	427.2	255.4	67.2	18.8	22.3	-15.6
600 to 799	50.1	18.9	164.7	624.0	312.2	99.9	12.4	16.5	-24.5
800 or more	13.0	12.4	4.4	440.5	376.4	17.0	43.0	54.7	-21.5
Not available	9.3	11.5	-19.3	574.3	779.0	-26.3	44.2	62.6	-29.4
Other fuel	21.8	S	S	204.0	249.9	-18.4	22.0	21.7	1.2
Less than 400	21.1	S	S	355.7	S	S	16.3	S	S
400 or more .....	.6	S	S	344.4	S	S	16.3	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N
REFUELING LOCATION									
Gas station	897.7	N	N	10 943.6	N	N	12.2	N	N
Truck stop	25.9	N	N	911.8	N	N	35.2	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	77.4	N	N	841.9	N	N	10.9	N	N
Other company's/contractor's facility not open to the public	7.4	N	N	S	N	N	S	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	45.8	N	N	418.5	N	N	9.1	N	N
Not applicable ²	22.8	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
MAINTENANCE⁵									
General maintenance performed by:									
None performed	37.7	16.6	126.9	290.5	189.1	53.6	7.7	11.4	-32.3
Company-owned maintenance facility	94.9	62.3	52.4	1 864.3	1 494.0	24.8	19.6	24.0	-18.1
General repair business or private mechanic	397.3	312.1	27.3	5 636.9	4 206.4	34.0	14.2	13.5	5.3
Dealership service department	223.4	243.7	-8.3	3 424.3	3 507.3	-2.4	15.3	14.4	6.5
Leasing company	S	S	S	95.5	98.3	-2.8	S	S	S
Individual not employed/paid by any maintenance type facility									
Other	451.5	594.6	-24.1	4 671.3	6 817.3	-31.5	10.3	11.5	-9.7
Not reported	V	13.6	N	V	230.3	N	V	16.9	N
Not applicable ²	42.9	41.7	2.8	400.0	381.9	4.7	9.3	9.2	1.9
Extensive repairs performed by:	22.8	N	N	S	N	N	S	N	N
None performed	828.2	72.7	1 038.5	10 208.7	950.1	974.5	12.3	13.1	-5.6
Company-owned maintenance facility	26.7	26.8	-.1	511.8	445.3	14.9	19.1	16.6	15.1
General repair business or private mechanic	51.9	138.8	-62.6	707.0	1 697.5	-58.3	13.6	12.2	11.4
Dealership service department	54.3	112.2	-51.6	830.2	2 052.2	-59.5	15.3	18.3	-16.5
Leasing company	S	.7	S	S	36.0	S	S	49.4	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	S	20.5	S	107.6	444.9	-75.8	S	21.7	S
Other	51.1	119.0	-57.0	500.4	1 201.7	-58.4	9.8	10.1	-3.1
Not reported	V	7.5	N	V	83.7	N	V	11.1	N
Not applicable ²	S	614.8	S	S	7 461.6	S	S	12.1	S
TRUCK TYPE AND AXLE ARRANGEMENT	22.8	N	N	S	N	N	S	N	N
Single-unit trucks and truck-tractors without trailer									
2 axles	1 034.4	1 054.9	-1.9	11 860.5	12 392.1	-4.3	11.5	11.7	-2.4
3 axles	1 021.0	1 038.2	-1.7	11 743.1	12 211.3	-3.8	11.5	11.8	-2.2
4 axles	11.6	15.2	-23.7	93.8	155.2	-39.6	8.1	10.2	-20.8
5 axles or more	1.0	1.5	-32.6	17.8	25.6	-30.2	18.0	17.3	3.6
Not reported .....	.3	N	N	5.6	N	N	21.9	N	N
Combinations .....	.5	V	N	S	V	S	S	V	S
Single-unit trucks with trailer	44.7	27.7	61.6	1 376.1	1 334.1	3.2	30.8	48.2	-36.2
3 axles	21.7	5.9	271.1	206.9	63.0	228.1	9.5	10.8	-11.6
4 axles	S	S	S	S	S	S	S	S	S
5 axles or more	14.2	4.6	212.3	160.5	36.7	337.5	11.3	8.1	40.1
Not reported	1.0	1.0	-2.2	20.0	25.5	-21.5	19.6	24.4	-19.7
Truck-tractors with single trailer	V	N	N	V	N	N	V	N	N
3 axles	22.2	21.6	2.8	1 101.5	1 249.6	-11.9	49.7	57.9	-14.3
4 axles	2.1	1.4	53.7	S	27.0	S	S	19.4	S
5 axles or more	2.2	2.4	-11.0	S	57.5	S	S	23.7	S
Not reported	16.9	17.7	-5.0	962.6	1 165.1	-17.4	57.1	65.7	-13.0
Truck-tractors with double trailers	1.0	N	N	41.7	N	N	40.7	N	N
5 axles .....	.8	.2	227.9	67.7	S	S	86.2	S	S
6 axles .....	.5	.2	164.6	S	S	S	S	S	S
7 axles .....	.2	S	S	19.6	S	S	88.6	S	S
8 axles or more	S	S	S	S	V	S	S	V	S
Not reported	V	V	N	V	V	N	V	V	N
Truck-tractors with triple trailers	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	V	N	V	V	N	V	V	N
Driving axles:									
1	656.9	776.8	-15.4	6 815.1	8 580.0	-20.6	10.4	11.0	-6.1
2	421.9	305.4	38.1	6 418.3	5 140.4	24.9	15.2	16.8	-9.6
3 or more	S	S	S	S	S	S	S	S	S
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations ¹² :									
None	106.7	46.4	129.9	1 816.0	861.2	110.9	17.0	18.5	-8.3
1	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
Forward of the drive axle	1.7	N	N	17.2	N	N	10.0	N	N
Below the chassis .....	.5	N	N	7.9	N	N	14.7	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported .....	.4	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
Forward of the drive axle .....	.3	N	N	5.6	N	N	21.9	N	N
Below the chassis	V	N	N	V	N	N	V	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Not applicable ¹⁰	969.1	N	N	11 384.6	N	N	11.7	N	N
Total liftable axles and number of braking axles:									
None	106.7	46.4	129.9	1 816.0	861.2	110.9	17.0	18.5	-8.3
1	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
0 braking .....	.5	N	N	S	N	N	S	N	N
1 braking	2.1	N	N	26.1	N	N	12.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
0 braking	V	N	N	V	N	N	V	N	N
1 braking	V	N	N	V	N	N	V	N	N
2 or more braking .....	.3	N	N	5.6	N	N	21.9	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Not applicable ¹⁰	969.1	N	N	11 384.6	N	N	11.7	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
CAB TYPE									
Conventional cab	101.0	96.6	4.5	1 759.7	1 757.0	.2	17.4	18.2	-4.2
With sleeper	10.6	N	N	800.6	N	N	75.2	N	N
Without sleeper	89.9	N	N	930.9	N	N	10.4	N	N
Not reported .....	.4	N	N	28.2	N	N	63.8	N	N
Cab over engine	8.6	10.7	-19.8	90.8	111.6	-18.6	10.6	10.4	1.5
With sleeper	1.7	N	N	30.4	N	N	17.6	N	N
Without sleeper	6.9	N	N	60.3	N	N	8.8	N	N
Not reported	V	N	N	V	N	N	V	N	N
Cab forward of engine	S	2.7	S	S	41.5	S	S	15.4	S
Cab beside engine	S	1.8	S	S	39.9	S	S	21.7	S
Not reported .....	.2	N	N	S	N	N	S	N	N
Not applicable ¹⁰	969.1	N	N	11 384.6	N	N	11.7	N	N

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

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

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

³Truck-tractors not in use.

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

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

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

⁷Distributed miles data are available in Table 8.

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

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

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

¹¹Data were derived from administrative records.

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

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

Note: Table 2b provides estimated measures of sampling variability. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
Total .....	.5	.6	.8	3.3	3.1	4.3	3.2	3.0	4.3
BUSINESS									
For-hire transportation or warehousing	18.1	13.0	30.9	10.7	6.5	12.7	12.1	9.8	11.4
Vehicle leasing or rental	46.4	S	S	46.4	44.7	104.3	25.2	S	S
Agriculture, forestry, fishing, or hunting	10.3	8.0	8.3	19.2	13.1	14.8	13.7	8.7	16.2
Mining	S	38.4	S	S	34.4	S	S	23.1	S
Utilities	41.4	32.2	29.9	42.6	37.9	31.5	7.4	15.8	16.9
Construction	16.0	13.3	18.0	19.2	16.6	19.1	10.9	10.6	13.2
Manufacturing	35.7	30.8	46.0	35.4	28.3	37.0	19.2	19.2	22.7
Wholesale trade	38.8	29.3	19.4	35.5	28.4	16.6	9.1	9.8	12.2
Retail trade	21.4	20.4	34.9	25.2	25.1	57.2	12.2	15.0	26.4
Information services	40.5	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	36.2	N	N	22.6	N	N	26.6	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	34.1	N	N	48.5	N	N	36.1	N	N
Other services	27.8	N	N	37.1	N	N	23.2	N	N
Personal transportation	2.4	2.5	3.8	4.6	4.8	6.6	4.0	4.1	5.2
Not reported	41.8	N	N	35.7	N	N	16.7	N	N
Not applicable ¹	27.2	20.7	26.1	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks .....	.5	.6	.8	3.5	3.3	4.7	3.5	3.3	4.7
Pickup	1.2	1.0	1.5	5.5	5.4	7.0	5.3	5.3	7.2
Minivan	11.8	9.5	13.3	14.7	10.9	12.1	8.8	5.3	7.8
Other light vans	15.1	14.6	23.8	24.3	20.9	39.9	19.0	15.0	26.6
Sport utility	6.6	7.1	12.6	8.6	9.2	16.7	5.4	5.8	8.1
Armored	N	N	N	N	N	N	N	N	N
Beverage	S	N	S	S	N	S	S	N	S
Concrete mixer	22.3	17.4	22.9	27.1	22.2	11.6	21.9	13.8	10.6
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	28.6	S	S	45.4	S	S	38.0	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	7.4	12.4	30.1	17.1	16.0	28.4	16.4	15.6	13.1
Flatbed, stake, or platform	6.9	6.0	5.3	13.0	13.3	10.1	11.0	11.7	15.0
Low boy	S	41.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Service, utility	16.4	21.0	68.0	19.6	41.7	134.5	10.9	28.7	44.2
Service, other	19.9	29.6	53.3	24.2	40.5	62.4	14.2	26.9	26.9
Street sweeper	N	N	N	N	N	N	N	N	N
Tank, dry bulk	38.9	S	S	40.6	S	S	34.8	S	S
Tank, liquids or gases	17.2	25.9	46.4	23.1	31.6	62.2	16.1	22.6	29.5
Tow/Wrecker	24.0	S	S	39.8	S	S	30.7	S	S
Trash, garbage, or recycling	19.9	20.2	22.8	20.7	20.6	21.9	13.6	12.6	17.3
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	14.3	25.3	60.9	18.8	37.1	54.2	13.2	30.2	20.5
Van, insulated nonrefrigerated	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated	47.0	S	S	S	S	S	S	S	S
Van, open top	7.4	7.1	7.1	12.9	11.8	6.2	11.5	9.8	7.7
Van, step, walk-in, or multistop	16.4	21.4	13.3	22.6	18.6	23.0	15.6	17.4	37.1
Van, other	29.8	N	N	40.8	N	N	27.9	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	3.3	3.8	5.5	5.6	4.3	6.5	5.1	4.3	5.6
Automobile carrier	S	N	S	S	N	S	S	N	S
Beverage	40.7	S	S	40.9	S	S	33.8	S	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	10.9	14.6	36.4	16.0	17.7	24.8	13.5	10.0	8.8
Flatbed, stake, or platform	12.3	15.3	30.8	15.5	18.9	31.9	13.6	16.4	17.7
Livestock	20.4	24.2	30.6	25.7	23.7	22.9	21.2	22.4	20.9
Low boy	15.9	17.9	18.1	23.5	31.3	23.9	17.4	19.8	21.2
Mobile home toter	49.2	N	N	S	N	N	S	N	N
Open top	9.7	10.9	11.6	16.0	13.8	15.1	13.9	13.3	17.3
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Tank, dry bulk	25.3	32.7	63.5	29.5	40.6	82.0	15.2	24.0	30.3
Tank, liquids or gases	19.8	18.5	14.2	22.4	19.4	16.3	10.4	10.3	15.4
Van, basic enclosed	9.6	10.7	17.6	12.1	11.3	16.3	6.8	6.4	7.5
Van, drop-frame	S	49.3	S	S	S	S	S	S	S
Van, insulated nonrefrigerated	S	40.1	S	S	40.6	S	S	5.9	S
Van, insulated refrigerated	14.9	12.2	17.2	18.3	12.9	23.0	7.4	4.2	9.8
Other	S	N	N	S	N	N	S	N	N
Not applicable ²	27.5	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	7.4	6.2	9.0	10.2	8.4	10.8	6.3	5.1	7.1
5,000 to 9,999	8.1	8.0	13.2	8.4	8.2	13.8	2.1	1.8	2.8
10,000 to 19,999	5.2	4.9	7.6	5.3	5.1	7.7	1.4	1.3	1.9
20,000 to 29,999	13.3	9.9	11.8	13.3	10.0	11.9	1.7	1.2	2.1
30,000 to 49,999	18.9	16.2	22.4	19.0	16.2	23.4	2.9	2.8	4.2
50,000 to 74,999	39.8	15.8	105.2	39.8	15.1	109.1	6.8	1.9	7.3
75,000 or more	20.9	16.0	24.1	15.7	19.6	20.4	6.5	4.0	6.8
Not applicable ¹	27.2	22.3	31.2	S	N	S	S	N	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	23.9	12.9	10.2	41.9	18.5	40.3	30.4	12.3	77.0
50 miles or less	2.7	2.3	3.4	4.5	3.8	5.3	3.7	2.9	4.3
51 to 100 miles	13.8	11.3	15.2	16.4	13.4	19.8	10.2	8.0	14.2
101 to 200 miles	22.4	17.6	22.5	22.6	17.7	20.2	13.2	12.3	16.1
201 to 500 miles	33.7	24.3	25.1	16.1	34.1	14.7	24.8	27.5	23.8
501 miles or more	27.8	22.5	28.4	15.2	11.8	17.8	19.7	15.9	29.3
Not reported	12.9	22.3	102.8	17.3	N	N	11.7	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	N	N	N	N	N	N	N	N	N
Operated in Mexico	N	N	N	N	N	N	N	N	N
Operated within the home base state	1.6	N	N	3.7	N	N	3.4	N	N
Operated in states other than the home base state	25.6	N	N	9.8	N	N	21.6	N	N
Not reported	13.3	N	N	19.6	N	N	14.4	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	2.7	N	N	4.0	N	N	3.1	N	N
7 to 11	11.8	N	N	14.8	N	N	10.7	N	N
2 to 6	11.2	N	N	21.1	N	N	17.5	N	N
1 or less	14.3	N	N	40.0	N	N	36.0	N	N
Vehicle not used	27.2	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light .....	.8	.7	1.1	3.8	3.5	4.9	3.7	3.4	4.9
Medium	15.3	9.9	21.8	20.6	15.5	45.7	12.7	11.1	24.9
Light-heavy	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
Heavy-heavy	2.8	3.6	4.7	4.9	3.8	5.6	5.0	4.5	5.9
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	2.9	1.3	2.5	5.2	3.8	4.8	4.4	3.6	5.4
6,001 to 8,500	8.7	N	N	10.7	N	N	6.2	N	N
8,501 to 10,000	18.4	N	N	28.3	N	N	20.9	N	N
10,001 to 14,000	21.0	18.0	48.8	26.0	24.9	95.8	15.6	15.3	33.0
14,001 to 16,000	15.8	16.9	18.9	29.2	23.0	29.4	24.3	15.9	28.2
16,001 to 19,500	15.2	13.3	11.5	28.8	29.6	35.3	24.3	26.6	54.2
19,501 to 26,000	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
26,001 to 33,000	10.7	10.7	10.6	25.2	22.3	29.0	22.7	20.0	37.4
33,001 to 40,000	12.4	16.5	32.4	34.0	20.8	37.0	32.0	19.0	22.0
40,001 to 50,000	9.1	8.5	10.1	20.5	11.4	9.0	18.8	10.8	10.2
50,001 to 60,000	6.4	8.9	15.3	23.0	12.6	20.0	21.4	9.6	12.8
60,001 to 80,000	4.1	4.6	6.6	6.1	5.8	8.2	4.7	4.4	5.8
80,001 to 100,000	11.0	24.2	69.5	13.9	25.3	76.6	10.0	23.9	26.4
100,001 to 130,000	S	S	S	S	S	S	S	S	S
130,001 or more	N	N	N	N	N	N	N	N	N
TOTAL LENGTH (FEET)									
Less than 20.0	1.8	.7	1.7	4.1	3.5	4.6	3.8	3.4	4.9
20.0 to 27.9	10.8	4.6	24.2	17.0	10.0	54.9	11.9	9.1	20.3
28.0 to 35.9	14.1	9.3	87.7	21.6	13.5	130.2	15.8	11.0	18.9
36.0 to 40.9	32.2	21.3	197.5	37.5	22.7	174.0	25.2	21.3	25.6
41.0 to 44.9	20.5	S	S	24.3	25.5	24.4	21.5	S	S
45.0 to 49.9	20.2	21.3	20.5	29.9	26.5	21.6	26.2	21.5	26.2
50.0 to 54.9	13.8	14.0	31.6	26.7	21.8	30.4	21.8	16.7	15.1
55.0 to 59.9	10.5	11.8	16.3	14.5	13.0	11.5	13.0	12.2	10.2
60.0 to 64.9	8.7	9.5	13.6	11.5	12.4	17.5	9.0	8.6	12.2
65.0 to 69.9	9.3	8.5	12.8	12.6	9.7	15.1	8.4	4.8	9.1
70.0 to 74.9	14.6	15.6	25.8	16.4	14.7	22.4	8.7	7.1	9.5
75.0 to 79.9	24.4	N	N	28.3	N	N	14.3	N	N
80.0 or more	44.0	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	13.9	8.9	19.5	9.5	10.7	18.7	14.8	10.6	20.2
5 to 6.9	9.8	5.0	11.8	6.8	4.8	6.9	8.1	5.7	7.7
7 to 8.9	17.8	11.8	27.5	18.7	18.4	25.8	17.9	10.7	16.0
9 to 10.9	13.5	10.9	14.1	25.1	16.2	34.0	21.0	12.3	34.0
11 to 12.9	13.9	11.3	15.0	18.6	15.9	21.4	12.2	11.4	17.5
13 to 14.9	15.9	9.9	9.8	19.0	12.9	12.8	10.3	8.1	14.0
15 or more	4.0	3.0	4.4	5.8	5.0	6.7	4.3	4.1	5.8
15 to 20.9	5.2	4.1	5.7	7.1	5.4	8.3	4.9	3.6	6.5
21 to 24.9	13.8	11.3	15.3	17.0	13.5	14.6	9.8	7.4	9.6
25 or more	24.6	25.2	46.1	28.4	S	S	14.1	S	S
Not reported	10.1	10.9	113.3	12.2	14.3	206.7	7.2	15.7	24.8
Not applicable ¹	27.2	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicle and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	15.1	N	N	18.1	N	N	11.1	N	N
2001	17.2	N	N	19.1	N	N	10.4	N	N
2000	16.6	N	N	15.5	N	N	8.2	N	N
1999	15.1	N	N	15.8	N	N	8.5	N	N
1998	16.0	S	S	17.4	S	S	9.4	S	S
1997	15.8	14.3	22.5	15.7	13.6	20.4	6.2	5.8	7.9
1996	16.1	15.7	26.2	17.4	14.2	20.5	9.4	6.5	8.9
1995	18.7	14.1	16.6	19.9	14.0	10.5	12.0	6.6	8.4
1994	18.7	14.3	16.9	24.9	15.2	17.9	17.5	7.9	16.5
1993	18.7	15.5	20.8	21.9	16.6	21.1	12.5	9.0	13.9
Pre-1993	5.0	2.6	3.2	8.6	5.3	3.7	6.7	4.6	5.2
VEHICLE ACQUISITION									
New	6.0	5.4	8.0	7.3	6.4	10.9	4.8	4.3	7.4
Used	3.2	2.9	4.3	5.6	5.4	7.1	4.5	4.5	5.9
Not reported	19.1	16.5	26.3	19.1	12.9	14.0	9.6	8.0	7.3
LEASE CHARACTERISTICS									
Leased	20.5	N	N	12.3	N	N	11.3	N	N
Lessee	22.6	N	N	13.1	N	N	13.2	N	N
Vehicle only	12.3	N	N	11.5	N	N	9.8	N	N
Vehicle with driver	16.0	N	N	17.0	N	N	5.9	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ³	29.9	N	N	31.9	N	N	11.6	N	N
Lessor	S	N	N	40.2	N	N	S	N	N
Vehicle only	31.1	N	N	35.6	N	N	17.4	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not applicable ³	S	N	N	S	N	N	S	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	3.4	N	N	5.4	N	N	4.3	N	N
Not reported	5.6	N	N	7.9	N	N	5.6	N	N
Length of leasing agreement:									
Leased	20.5	N	N	12.3	N	N	11.3	N	N
1 to 11 months	44.0	N	N	48.8	N	N	21.1	N	N
12 months or more	9.8	N	N	9.1	N	N	7.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ³	26.4	N	N	27.8	N	N	9.0	N	N
Provisions of lease:									
Financing only	15.2	N	N	15.4	N	N	11.7	N	N
Full maintenance	21.1	N	N	19.6	N	N	16.8	N	N
Payment of taxes	14.7	N	N	13.8	N	N	10.3	N	N
Obtaining licenses and permits	11.5	N	N	11.0	N	N	7.3	N	N
Recordkeeping	16.6	N	N	14.9	N	N	12.0	N	N
Fuel contract	29.5	N	N	28.3	N	N	21.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	6.7	N	N	10.2	N	N	6.9	N	N
Motor carrier	14.1	N	N	12.2	N	N	5.5	N	N
Owner operator	35.1	N	N	14.2	N	N	25.2	N	N
Rental	46.3	N	N	46.4	N	N	25.2	N	N
Personal transportation	2.4	N	N	4.6	N	N	4.0	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	8.8	N	N	8.3	N	N	5.5	N	N
Common	8.6	N	N	9.8	N	N	7.7	N	N
Not reported	17.8	N	N	20.0	N	N	12.9	N	N
Not applicable ⁴ .....	.5	N	N	3.5	N	N	3.5	N	N
Type of service:									
Truckload	5.9	7.2	11.1	6.1	6.8	8.8	4.7	5.3	5.8
Less-than truckload	15.7	23.3	45.3	19.1	20.5	48.6	13.7	17.7	24.1
Not reported	17.8	N	N	20.6	N	N	13.9	N	N
Not applicable ⁴ .....	.5	N	N	3.5	N	N	3.5	N	N
Source of hauls:									
Shippers or receivers	6.9	N	N	7.1	N	N	5.3	N	N
Brokers	22.3	N	N	24.3	N	N	9.8	N	N
Centralized markets or exchanges	40.7	N	N	40.7	N	N	29.1	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	12.2	N	N	13.2	N	N	10.6	N	N
Not applicable ⁴ .....	.5	N	N	3.5	N	N	3.5	N	N
HAZARDOUS MATERIALS CARRIED⁵									
Carrying hazardous materials	12.9	12.1	17.6	15.0	10.0	10.9	12.3	10.2	9.7
Not carrying hazardous materials	1.7	2.1	2.3	4.9	4.3	5.7	4.8	4.2	6.5
Not reported	9.2	7.0	4.8	12.6	11.2	14.5	12.5	8.8	31.4
Not applicable ⁶ .....	.6	N	N	3.7	N	N	3.7	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE ⁷									
Aerial work platform/bucket	27.5	N	N	37.3	N	N	24.2	N	N
Air bag(s) (safety device only)	4.0	6.8	18.1	5.5	8.7	18.3	3.8	6.1	5.6
Air compressor (except air brakes)	14.5	N	N	16.7	N	N	14.5	N	N
Air-conditioning	2.0	2.2	3.3	3.7	3.8	5.3	3.2	3.3	4.2
Air springs	5.6	N	N	7.5	N	N	5.5	N	N
Antilock brake system	3.9	4.7	8.5	5.1	6.5	10.6	3.6	4.7	5.5
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	11.8	N	N	13.0	N	N	6.9	N	N
Crane	20.4	N	N	23.3	N	N	12.3	N	N
Electronic vehicle identification device	27.1	19.2	8.0	32.0	16.1	7.9	17.1	12.3	19.2
Engine retarder/brake	4.4	5.7	8.5	6.0	6.4	8.2	4.4	4.1	4.8
Front-wheel drive	5.6	8.9	26.3	7.9	13.6	33.1	5.6	10.2	9.8
Hoist	4.8	N	N	9.6	N	N	9.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	19.6	N	N	19.8	N	N	15.6	N	N
Internet access	49.2	N	N	S	N	N	S	N	N
Lift gate	15.7	N	N	23.3	N	N	17.2	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	29.5	S	S	33.8	S	S	16.5	S
Power take-off	4.0	N	N	7.3	N	N	7.0	N	N
Radial tires	2.9	2.0	3.1	4.5	3.7	4.5	3.6	3.2	4.3
Reflective material in addition to those required by law	9.9	8.0	6.6	12.3	8.2	6.8	10.7	8.0	11.9
Road speed governor	5.6	6.4	8.0	7.0	6.4	8.4	6.2	6.5	8.5
Toolbox	10.0	N	N	13.6	N	N	10.3	N	N
Trip recorder or on-board computer with communication capabilities	21.1	N	N	20.8	N	N	11.5	N	N
Trip recorder or on-board computer without communication capabilities	9.9	N	N	11.5	N	N	6.4	N	N
Vehicle control aids for handicapped drivers	S	S	S	S	S	S	S	S	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	30.5	N	N	31.3	N	N	15.6	N	N
Transmission type:									
Automatic	2.1	N	N	4.5	N	N	4.0	N	N
Manual	6.5	N	N	7.3	N	N	5.3	N	N
Semiautomated manual	45.9	N	N	S	N	N	S	N	N
Automated manual	49.2	N	N	S	N	N	S	N	N
Not reported	24.2	N	N	23.3	N	N	14.2	N	N
Braking system:									
Hydraulic (standard)	4.5	5.8	7.3	15.2	13.0	23.0	14.6	11.5	21.6
Hydraulic with power assist	5.8	6.0	6.2	11.7	12.5	13.6	10.1	11.0	15.8
Air	2.8	3.6	4.8	4.6	3.9	5.4	4.5	4.3	5.2
Other	N	34.3	N	N	S	N	N	N	S
Not reported	13.8	N	N	20.3	N	N	18.7	N	N
Not applicable ⁹	.6	N	N	3.7	N	N	3.7	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1.5	.8	1.6	3.9	3.5	4.7	3.6	3.4	4.9
Diesel	9.4	8.5	21.9	9.1	6.2	12.7	7.9	5.8	6.5
Natural gas	N	N	N	N	N	N	N	N	N
Propane	34.0	N	N	S	N	N	S	N	N
Alcohol fuels	S	N	N	S	N	N	S	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	32.8	N	N	39.5	N	N	22.1	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N
Cylinders⁹:									
4 cylinders	13.8	10.7	13.6	17.3	12.9	16.4	10.5	7.4	12.5
6 cylinders	5.0	4.5	6.8	5.7	4.9	6.8	4.0	3.4	4.8
8 cylinders	4.1	4.1	6.4	7.2	7.4	11.3	5.8	6.1	8.4
Other	12.2	8.5	9.6	34.5	18.2	37.3	25.9	16.6	45.8
Cubic inch displacement⁹:									
Gasoline fuel	1.5	.8	1.6	3.9	3.5	4.7	3.6	3.4	4.9
Less than 200	9.6	7.6	10.0	12.1	9.4	11.2	7.4	5.6	8.3
200 to 299	6.8	7.0	12.3	9.0	8.1	14.6	5.9	4.4	7.1
300 to 349	9.4	8.3	12.7	11.5	11.5	18.6	6.8	7.8	11.7
350 to 399	9.3	7.5	9.9	13.4	13.2	11.6	9.6	10.7	10.6
400 or more	19.0	15.1	19.2	26.7	19.2	22.0	19.2	12.7	19.5
Not available	13.0	9.1	7.1	38.0	16.4	13.7	31.1	12.5	25.0
Diesel fuel	9.4	8.5	21.9	9.1	6.2	12.7	7.9	5.8	6.5
Less than 400	26.0	30.0	78.6	39.8	35.3	89.0	28.8	20.9	30.0
400 to 599	16.4	20.6	69.8	17.5	21.3	55.1	11.8	11.5	12.5
600 to 799	6.5	7.9	15.3	9.6	9.4	15.7	8.1	7.5	8.7
800 or more	4.6	4.2	6.6	7.3	6.1	7.0	5.9	4.5	5.2
Not available	7.8	7.0	8.4	12.6	11.8	14.1	12.2	10.1	16.0
Other fuel	29.6	S	S	36.2	S	S	20.5	S	S
Less than 400	30.5	S	S	37.4	S	S	21.1	S	S
400 or more	49.7	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
REFUELING LOCATION									
Gas station	1.7	N	N	4.1	N	N	3.7	N	N
Truck stop	18.2	N	N	7.4	N	N	14.2	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	11.9	N	N	12.8	N	N	9.5	N	N
Other company's/contractor's facility not open to the public	48.8	N	N	S	N	N	S	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	19.8	N	N	22.9	N	N	12.4	N	N
Not applicable ¹	27.2	N	N	S	N	N	S	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	22.0	28.4	81.5	45.0	23.8	78.2	38.5	18.6	28.9
Company-owned maintenance facility	11.6	11.2	24.6	10.8	8.5	17.1	7.4	6.9	8.3
General repair business or private mechanic ..	5.4	5.9	10.2	6.9	7.2	13.4	4.8	4.6	7.0
Dealership service department	8.2	6.9	9.8	9.1	7.8	11.7	5.1	4.6	7.3
Leasing company	S	S	S	31.8	33.9	45.2	S	S	S
Individual not employed/paid by any maintenance type facility									
Other	4.8	3.3	4.5	7.7	6.0	6.7	5.9	4.9	6.9
Not reported	N	34.3	N	N	41.9	N	N	25.4	N
Not applicable ¹	20.7	17.6	27.9	23.9	27.0	37.8	12.1	21.0	24.7
Extensive repairs performed by:									
None performed	2.3	13.9	160.0	4.4	15.8	176.4	3.8	9.0	9.2
Company-owned maintenance facility	24.0	18.1	30.0	24.7	15.1	33.3	18.7	14.0	26.9
General repair business or private mechanic ..	18.1	9.4	7.6	18.6	11.3	9.1	10.1	6.6	13.4
Dealership service department	18.3	10.6	10.2	18.8	10.0	8.6	10.1	6.1	9.9
Leasing company	S	34.6	S	S	30.2	S	S	32.1	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	S	25.5	S	47.8	18.6	12.4	S	16.2	S
Other	18.9	10.4	9.3	25.8	13.2	12.1	17.9	7.7	18.9
Not reported	N	44.2	N	N	42.1	N	N	29.2	N
Not applicable ¹	S	3.3	S	S	5.8	S	S	4.8	S
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles .....	.8	.6	1.0	3.6	3.4	4.7	3.5	3.3	4.7
3 axles .....	.8	.6	1.0	3.7	3.4	4.8	3.6	3.3	4.8
4 axles	5.7	7.5	7.2	9.2	10.6	8.5	8.3	9.7	10.1
5 axles or more	18.6	20.4	18.6	22.9	22.4	22.4	13.3	20.1	25.0
Not reported	37.1	N	N	42.9	N	N	21.5	N	N
Combinations	43.1	N	N	S	N	S	S	N	S
Single-unit trucks with trailer									
3 axles	13.2	7.3	24.4	6.8	4.2	8.3	10.8	7.2	8.3
4 axles	27.1	31.8	154.9	32.7	25.1	135.3	21.3	25.3	29.2
5 axles or more	S	S	S	S	S	S	S	S	S
Not reported	33.0	40.1	162.2	39.9	36.8	237.3	20.5	30.6	51.7
Truck-tractors with single trailer	21.9	26.3	33.4	32.0	32.6	35.9	23.3	25.6	27.8
3 axles	3.3	3.9	5.2	5.5	4.3	6.2	5.1	4.3	5.7
4 axles	21.0	28.8	54.8	S	36.5	S	S	38.6	S
5 axles or more	18.5	18.3	23.1	S	23.7	S	S	19.4	S
Not reported	3.0	3.8	4.6	4.8	4.6	5.5	4.1	3.9	4.9
Truck-tractors with double trailers	21.9	N	N	25.8	N	N	19.2	N	N
5 axles	33.8	40.2	172.3	41.0	S	S	18.5	S	S
6 axles	47.0	44.1	170.4	S	S	S	S	S	S
7 axles	40.1	S	S	40.9	S	S	7.9	S	S
8 axles or more	S	N	N	S	N	S	S	N	S
Not reported	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers	N	N	N	N	N	N	N	N	N
7 axles	N	N	N	N	N	N	N	N	N
8 axles	N	N	N	N	N	N	N	N	N
9 axles	N	N	N	N	N	N	N	N	N
10 axles or more	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Driving axles:									
1	3.3	2.3	3.4	5.7	4.2	5.6	4.5	3.3	5.2
2	5.2	5.7	10.6	6.5	7.5	12.3	4.6	5.8	6.7
3 or more	S	S	S	S	S	S	S	S	S
Not reported	37.1	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.9	4.7	10.9	4.1	6.1	15.5	4.1	6.1	6.7
1	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
Forward of the drive axle	22.2	N	N	25.0	N	N	23.5	N	N
Below the chassis	40.7	N	N	44.9	N	N	46.6	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	45.7	N	N	S	N	N	S	N	N
2 or more	37.1	49.2	100.7	42.9	S	S	21.5	S	S
Forward of the drive axle	37.1	N	N	42.9	N	N	21.5	N	N
Below the chassis	N	N	N	N	N	N	N	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.1	N	N	S	N	N	S	N	N
Not applicable ⁸ .....	.6	N	N	3.7	N	N	3.7	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles:									
None .....	.9	4.7	10.9	4.1	6.1	15.5	4.1	6.1	6.7
1	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
0 braking	45.9	N	N	S	N	N	S	N	N
1 braking	19.0	N	N	22.1	N	N	20.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	37.1	49.2	100.7	42.9	S	S	21.5	S	S
0 braking	N	N	N	N	N	N	N	N	N
1 braking	N	N	N	N	N	N	N	N	N
2 or more braking	37.1	N	N	42.9	N	N	21.5	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.1	N	N	S	N	N	S	N	N
Not applicable ⁸ .....	.6	N	N	3.7	N	N	3.7	N	N
CAB TYPE									
Conventional cab	1.1	2.3	2.7	4.2	3.9	5.7	4.2	3.9	5.5
With sleeper	4.9	N	N	7.1	N	N	5.2	N	N
Without sleeper	1.4	N	N	5.8	N	N	5.6	N	N
Not reported	28.3	N	N	35.1	N	N	20.7	N	N
Cab over engine	8.8	10.2	10.8	17.0	14.0	17.9	15.6	13.3	20.8
With sleeper	14.1	N	N	37.1	N	N	34.3	N	N
Without sleeper	10.5	N	N	17.5	N	N	15.2	N	N
Not reported	N	N	N	N	N	N	N	N	N
Cab forward of engine	S	25.0	S	S	34.3	S	S	24.8	S
Cab beside engine	S	32.2	S	S	38.7	S	S	19.5	S
Not reported	44.0	N	N	S	N	N	S	N	N
Not applicable ⁹ .....	.6	N	N	3.7	N	N	3.7	N	N

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

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

²Truck-tractors not in use.

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

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

⁵Distributed miles data are available in Table 8.

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

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

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

⁹Data were derived from administrative records.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent	2002 truck	1997 truck	Percent	2002 average	1997 average	Percent
	(thousands)	(thousands)	change	miles	miles	change	miles per	miles per	change
	A	B	C	D	E	F	G	H	I
Total	110.0	125.2	-12.2	1 851.9	2 062.3	-10.2	16.8	16.5	2.2
BUSINESS¹									
For-hire transportation or warehousing	13.9	12.8	8.8	874.4	965.3	-9.4	62.7	75.4	-16.8
Vehicle leasing or rental .....	.6	1.0	-40.6	28.6	35.9	-20.5	46.2	34.5	33.8
Agriculture, forestry, fishing, or hunting	47.4	56.7	-16.4	252.6	280.4	-9.9	5.3	4.9	7.7
Mining	1.7	2.0	-15.0	23.9	36.5	-34.6	13.8	18.0	-23.1
Utilities	3.1	2.8	9.9	40.3	27.6	46.2	13.0	9.8	33.0
Construction	15.7	18.1	-13.1	198.0	268.1	-26.2	12.6	14.8	-15.0
Manufacturing	2.6	3.1	-14.0	66.5	111.6	-40.4	25.2	36.4	-30.6
Wholesale trade	3.4	4.1	-18.0	73.9	109.5	-32.5	21.8	26.5	-17.7
Retail trade	5.8	6.8	-13.7	107.0	123.1	-13.0	18.3	18.2	.8
Information services .....	.8	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	3.2	N	N	43.9	N	N	13.7	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	1.0	N	N	38.5	N	N	37.7	N	N
Other services	2.6	N	N	35.4	N	N	13.4	N	N
Personal transportation .....	.8	4.2	-80.8	S	S	S	S	V	N
Not reported	3.0	V	N	58.7	V	N	19.6	V	N
Not applicable ²	4.0	6.0	-32.7	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	86.3	103.4	-16.6	682.7	791.3	-13.7	7.9	7.7	3.4
Armored	V	N	N	V	N	N	V	N	N
Beverage	S	V	S	S	V	S	S	V	S
Concrete mixer	1.0	1.2	-19.2	5.4	16.3	-66.8	5.5	13.4	-58.9
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	1.8	S	S	34.4	S	S	18.9	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	16.8	8.1	108.0	97.9	80.9	21.0	5.8	10.0	-41.8
Flatbed, stake, or platform	20.7	35.4	-41.5	115.5	212.0	-45.5	5.6	6.0	-6.9
Low boy	S	1.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Service, utility	4.6	2.3	103.0	54.6	18.7	192.0	11.9	8.3	43.8
Service, other	3.2	2.1	49.6	45.3	34.3	32.1	14.2	16.1	-11.7
Street sweeper	V	N	N	V	N	N	V	N	N
Tank, dry bulk .....	.7	S	S	1.0	S	S	1.4	S	S
Tank, liquids or gases	3.5	2.3	49.3	43.7	27.5	58.9	12.6	11.8	6.4
Tow/Wrecker	2.0	S	S	46.0	S	S	23.3	S	S
Trash, garbage, or recycling	2.1	2.6	-19.8	35.2	47.0	-25.1	16.9	18.1	-6.6
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	5.6	2.7	109.4	74.3	57.1	30.2	13.4	21.5	-37.8
Van, insulated nonrefrigerated	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated .....	.6	S	S	S	S	S	S	S	S
Van, open top	18.0	26.2	-31.3	25.3	72.2	-64.9	1.4	2.8	-48.9
Van, step, walk-in, or multistop	4.7	9.6	-50.7	93.8	119.7	-21.6	19.8	12.4	58.9
Van, other	1.5	N	N	23.0	N	N	15.0	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	23.7	21.8	8.7	1 169.2	1 271.0	-8.0	49.4	58.3	-15.3
Automobile carrier	S	V	S	S	V	S	S	V	S
Beverage .....	.5	S	S	6.8	S	S	12.8	S	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	3.4	1.7	100.1	106.7	102.7	3.9	31.0	59.6	-48.0
Flatbed, stake, or platform	3.5	2.2	57.0	139.8	107.3	30.3	39.6	47.7	-17.0
Livestock	1.1	1.2	-3.2	45.9	70.2	-34.6	40.5	59.9	-32.4
Low boy	1.4	1.8	-24.1	23.2	37.9	-38.8	17.0	21.1	-19.3
Mobile home toter .....	.1	N	N	S	N	N	S	N	N
Open top	4.1	5.2	-20.9	113.1	158.4	-28.6	27.5	30.5	-9.7
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	.6	4	53.4	45.7	28.0	63.2	82.8	77.8	6.4
Tank, liquids or gases .....	.9	1.7	-47.8	65.2	118.6	-45.1	73.8	70.1	5.2
Van, basic enclosed	4.7	3.8	22.7	322.2	327.5	-1.6	68.9	85.9	-19.8
Van, drop-frame	S	.2	S	S	S	S	S	S	S
Van, insulated nonrefrigerated	S	.2	S	S	30.0	S	S	124.7	S
Van, insulated refrigerated	2.1	2.4	-10.3	271.2	264.0	2.7	128.0	111.7	14.6
Other	S	N	N	S	N	N	S	N	N
Not applicable ³ .....	.7	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	53.6	62.4	-14.0	63.4	94.0	-32.5	1.2	1.5	-21.5
5,000 to 9,999	12.1	15.0	-19.3	83.2	99.0	-15.9	6.9	6.6	4.1
10,000 to 19,999	16.2	17.7	-8.9	220.5	237.9	-7.3	13.7	13.4	1.7
20,000 to 29,999	6.6	6.2	5.4	152.8	144.5	5.8	23.3	23.2	.3
30,000 to 49,999	6.7	5.9	13.3	249.4	224.7	11.0	37.3	38.1	-2.1
50,000 to 74,999	2.8	3.7	-22.6	173.0	207.7	-16.7	60.9	56.6	7.7
75,000 or more	7.9	9.2	-13.9	909.0	1 054.5	-13.8	115.0	114.9	.1
Not applicable ²	4.0	5.1	-20.7	S	V	S	S	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	6.6	18.9	-64.9	26.8	87.8	-69.4	4.1	4.7	-12.9
50 miles or less	68.6	75.8	-9.5	570.4	654.0	-12.8	8.3	8.6	-3.6
51 to 100 miles	9.5	11.4	-16.1	225.5	233.2	-3.3	23.6	20.5	15.2
101 to 200 miles	4.3	6.0	-28.8	189.5	343.1	-44.8	44.3	57.1	-22.4
201 to 500 miles	3.4	3.4	-.7	230.4	234.1	-1.6	68.4	69.0	-.9
501 miles or more	4.4	4.7	-5.8	474.2	510.0	-7.0	107.3	108.7	-1.3
Not reported	9.1	5.1	79.6	134.4	V	N	14.7	V	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	V	N	N	V	N	N	V	N	N
Operated in Mexico	V	N	N	V	N	N	V	N	N
Operated within the home base state	89.8	N	N	1 102.9	N	N	12.3	N	N
Operated in states other than the home base state	7.7	N	N	649.5	N	N	84.3	N	N
Not reported	8.4	N	N	98.9	N	N	11.8	N	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	43.7	N	N	1 291.1	N	N	29.5	N	N
7 to 11	16.8	N	N	398.2	N	N	23.7	N	N
2 to 6	23.1	N	N	140.8	N	N	6.1	N	N
1 or less	22.4	N	N	21.2	N	N	.9	N	N
Vehicle not used	4.0	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	13.2	25.0	-47.0	142.3	198.9	-28.4	10.7	8.0	35.1
Medium	22.1	27.6	-20.1	184.2	159.1	15.8	8.3	5.8	44.8
Light-heavy	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
Heavy-heavy	52.8	50.8	3.9	1 404.3	1 546.1	-9.2	26.6	30.4	-12.6
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	3.8	9.0	-57.4	36.0	73.2	-50.8	9.4	8.1	15.5
6,001 to 8,500	4.2	N	N	41.4	N	N	10.0	N	N
8,501 to 10,000	5.2	N	N	64.9	N	N	12.4	N	N
10,001 to 14,000	11.5	11.8	-2.1	111.6	71.0	57.1	9.7	6.0	60.4
14,001 to 16,000	5.1	6.2	-18.5	34.3	43.4	-20.8	6.8	7.0	-2.8
16,001 to 19,500	5.5	9.6	-43.1	38.3	44.7	-14.4	7.0	4.6	50.5
19,501 to 26,000	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
26,001 to 33,000	9.8	14.1	-30.2	66.6	77.3	-13.8	6.8	5.5	23.6
33,001 to 40,000	6.8	4.3	56.7	45.1	48.5	-7.2	6.6	11.2	-40.8
40,001 to 50,000	8.6	10.6	-18.8	99.1	259.8	-61.8	11.5	24.5	-53.0
50,001 to 60,000	9.7	7.0	39.8	164.0	214.7	-23.6	16.9	30.9	-45.4
60,001 to 80,000	14.8	13.7	8.4	867.4	884.3	-1.9	58.5	64.6	-9.5
80,001 to 100,000	3.0	1.2	161.0	157.8	59.5	165.2	51.8	51.0	1.6
100,001 to 130,000	S	S	S	S	S	S	S	S	S
130,001 or more	V	V	N	V	V	N	V	V	N
TOTAL LENGTH (FEET)									
Less than 20.0	26.2	37.6	-30.5	187.9	255.6	-26.5	7.2	6.8	5.8
20.0 to 27.9	40.1	49.3	-17.0	294.5	322.9	-8.8	7.3	6.7	9.8
28.0 to 35.9	14.4	14.9	-3.0	129.1	175.1	-26.3	9.0	11.8	-24.0
36.0 to 40.9	5.1	2.2	129.7	70.8	34.0	108.1	13.8	15.2	-9.4
41.0 to 44.9	2.0	1.5	34.8	37.0	46.7	-20.8	18.4	31.4	-41.3
45.0 to 49.9	1.9	2.6	-24.6	33.9	62.6	-45.8	17.5	24.3	-28.2
50.0 to 54.9	3.0	1.9	60.6	68.3	77.4	-11.8	22.6	41.2	-45.1
55.0 to 59.9	4.5	4.3	3.3	119.3	201.7	-40.8	26.8	46.8	-42.8
60.0 to 64.9	4.8	4.6	5.1	249.9	242.4	3.1	51.6	52.6	-1.9
65.0 to 69.9	4.5	4.4	1.3	383.7	404.2	-5.1	85.2	91.0	-6.3
70.0 to 74.9	2.6	2.2	20.6	219.1	216.0	1.4	83.7	99.5	-15.9
75.0 to 79.9 .....	.6	N	N	54.9	N	N	93.3	N	N
80.0 or more .....	.2	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	14.7	14.2	3.5	293.2	225.1	30.3	20.0	15.9	25.9
5 to 6.9	33.1	36.5	-9.2	889.5	1 140.7	-22.0	26.9	31.3	-14.1
7 to 8.9	16.1	23.4	-31.1	237.6	242.4	-2.0	14.8	10.4	42.4
9 to 10.9	15.3	18.7	-18.6	142.5	151.7	-6.1	9.3	8.1	15.3
11 to 12.9	6.0	7.0	-15.0	56.2	82.6	-32.0	9.4	11.7	-20.0
13 to 14.9	2.7	4.2	-36.5	32.8	24.0	36.8	12.2	5.7	115.6
15 or more	1.4	3.5	-59.3	11.3	56.0	-79.7	8.1	16.2	-50.2
15 to 20.9	1.4	3.5	-59.3	11.3	56.0	-79.7	8.1	16.2	-50.2
21 to 24.9	V	V	N	V	V	N	V	V	N
25 or more	V	V	N	V	V	N	V	V	N
Not reported	16.7	17.7	-5.6	188.1	139.7	34.7	11.3	7.9	42.6
Not applicable ²	4.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	1.5	N	N	95.5	N	N	63.8	N	N
2001	2.8	N	N	125.0	N	N	45.1	N	N
2000	4.1	N	N	242.9	N	N	59.9	N	N
1999	4.3	N	N	224.7	N	N	52.1	N	N
1998	3.2	S	S	139.5	S	S	43.4	S	S
1997	5.0	3.8	32.9	174.0	192.9	-9.8	34.7	51.1	-32.1
1996	3.6	4.0	-10.3	154.0	297.8	-48.3	42.6	73.9	-42.3
1995	4.2	3.8	10.9	135.4	230.7	-41.3	31.9	60.2	-47.1
1994	4.1	2.8	46.1	105.4	159.0	-33.7	25.6	56.5	-54.6
1993	3.2	2.9	10.9	75.8	139.9	-45.8	23.6	48.3	-51.1
Pre-1993	73.9	107.5	-31.2	379.5	1 030.7	-63.2	5.1	9.6	-46.4
VEHICLE ACQUISITION									
New	31.3	30.7	1.8	909.8	870.9	4.5	29.1	28.3	2.6
Used	74.5	86.6	-14.0	814.1	748.2	8.8	10.9	8.6	26.6
Not reported	4.2	7.9	-46.1	128.0	443.2	-71.1	30.2	56.4	-46.4
LEASE CHARACTERISTICS									
Leased	8.4	N	N	506.3	N	N	60.6	N	N
Lessee	7.4	N	N	447.2	N	N	60.6	N	N
Vehicle only	5.9	N	N	318.3	N	N	53.8	N	N
Vehicle with driver	1.3	N	N	127.3	N	N	96.1	N	N
Not reported	S	N	N	S	N	N	S	N	N
Lessor .....	.9	N	N	53.8	N	N	62.0	N	N
Vehicle only .....	.8	N	N	48.6	N	N	64.2	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	70.2	N	N	980.4	N	N	14.0	N	N
Not reported	31.4	N	N	365.2	N	N	11.6	N	N
Length of leasing agreement:									
Leased	8.4	N	N	506.3	N	N	60.6	N	N
1 to 11 months .....	.2	N	N	10.5	N	N	57.3	N	N
12 months or more	7.9	N	N	488.2	N	N	61.6	N	N
Not reported	S	N	N	S	N	N	S	N	N
Provisions of lease ⁴ :									
Financing only	4.3	N	N	180.8	N	N	42.1	N	N
Full maintenance	1.6	N	N	103.7	N	N	65.3	N	N
Payment of taxes	2.6	N	N	201.4	N	N	78.0	N	N
Obtaining licenses and permits	3.4	N	N	299.7	N	N	89.1	N	N
Recordkeeping	2.2	N	N	183.2	N	N	84.2	N	N
Fuel contract .....	.7	N	N	49.2	N	N	75.1	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	86.6	N	N	803.3	N	N	9.3	N	N
Motor carrier	13.7	N	N	750.9	N	N	54.8	N	N
Owner operator	4.1	N	N	266.7	N	N	64.6	N	N
Rental .....	.7	N	N	28.6	N	N	43.7	N	N
Personal transportation .....	.8	N	N	S	N	N	S	N	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	6.4	N	N	508.1	N	N	79.3	N	N
Common	8.6	N	N	442.9	N	N	51.5	N	N
Not reported	2.8	N	N	66.6	N	N	23.6	N	N
Not applicable ⁵	92.1	N	N	834.4	N	N	9.1	N	N
Type of service:									
Truckload	11.0	9.3	18.5	765.2	789.9	-3.1	69.8	85.4	-18.3
Less-than truckload	4.0	2.5	61.2	180.7	104.1	73.6	44.7	41.5	7.6
Not reported	2.8	N	N	71.6	N	N	25.4	N	N
Not applicable ⁵	92.1	N	N	834.4	N	N	9.1	N	N
Source of hauls:									
Shippers or receivers	11.6	N	N	755.0	N	N	65.3	N	N
Brokers .....	.7	N	N	57.8	N	N	82.7	N	N
Centralized markets or exchanges .....	.5	N	N	13.5	N	N	25.1	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	5.0	N	N	191.2	N	N	38.0	N	N
Not applicable ⁵	92.1	N	N	834.4	N	N	9.1	N	N
HAZARDOUS MATERIALS CARRIED⁶									
Carrying hazardous materials	5.4	5.4	-3	244.9	403.9	-39.4	45.2	74.3	-39.2
Not carrying hazardous materials	87.7	102.4	-14.4	1 350.4	1 556.5	-13.2	15.4	15.2	1.3
Not reported	11.3	12.3	-8.2	225.5	90.3	149.7	19.9	7.3	172.0
Not applicable ⁷	5.5	N	N	31.1	N	N	5.7	N	N
EQUIPMENT TYPE⁴									
Aerial work platform/bucket	1.7	N	N	12.3	N	N	7.3	N	N
Air bag(s) (safety device only)	7.4	9.2	-19.7	238.8	590.3	-59.5	32.2	64.0	-49.7
Air compressor (except air brakes)	4.0	N	N	107.6	N	N	27.1	N	N
Air-conditioning	41.6	37.8	10.1	1 471.0	1 549.9	-5.1	35.3	41.0	-13.8
Air springs	10.4	N	N	595.5	N	N	57.4	N	N

See footnotes at end of table.

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

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

Vehicle and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE⁴—Con.									
Antilock brake system	18.1	9.4	91.5	757.9	445.6	70.1	42.0	47.2	-11.2
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	1.7	N	N	126.7	N	N	73.6	N	N
Crane	2.5	N	N	31.9	N	N	12.5	N	N
Electronic vehicle identification device .....	.5	2.0	-75.8	41.3	187.6	-78.0	86.4	94.7	-8.8
Engine retarder/brake	12.1	10.3	17.8	780.6	833.4	-6.3	64.4	81.0	-20.5
Front-wheel drive	V	V	N	V	V	N	V	V	N
Hoist	34.1	N	N	100.3	N	N	2.9	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	N	N	90.8	N	N	48.4	N	N
Internet access .....	.1	N	N	S	N	N	S	N	N
Lift gate	4.4	N	N	50.3	N	N	11.4	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	.4	S	S	42.0	S	S	95.4	S
Power take-off	41.7	N	N	528.8	N	N	12.7	N	N
Radial tires	54.9	62.1	-11.7	1 348.2	1 716.4	-21.5	24.6	27.6	-11.1
Reflective material in addition to those required by law	8.4	16.3	-48.3	283.9	619.1	-54.2	33.6	37.9	-11.3
Road speed governor	21.2	22.6	-6.0	788.6	892.3	-11.6	37.1	39.5	-6.0
Toolbox	20.9	N	N	458.6	N	N	22.0	N	N
Trip recorder or on-board computer with communication capabilities	2.5	N	N	156.5	N	N	63.1	N	N
Trip recorder or on-board computer without communication capabilities	1.7	N	N	88.5	N	N	53.3	N	N
Vehicle control aids for handicapped drivers	V	V	N	V	V	N	V	V	N
Wheelchair lift	V	V	N	V	V	N	V	V	N
Winch	4.9	N	N	88.0	N	N	17.9	N	N
Transmission type:									
Automatic	19.3	N	N	265.1	N	N	13.8	N	N
Manual	84.8	N	N	1 456.0	N	N	17.2	N	N
Semiautomated manual .....	.5	N	N	S	N	N	S	N	N
Automated manual .....	.1	N	N	S	N	N	S	N	N
Not reported	5.3	N	N	110.9	N	N	20.9	N	N
Braking system:									
Hydraulic (standard)	36.7	37.2	-1.4	283.7	247.5	14.6	7.7	6.6	16.3
Hydraulic with power assist	26.9	36.0	-25.3	197.1	249.1	-20.9	7.3	6.9	6.0
Air	40.7	38.5	5.8	1 303.4	1 463.1	-10.9	32.0	38.0	-15.8
Other	V	1.3	N	V	S	S	V	S	S
Not reported	5.6	N	N	67.7	N	N	12.1	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	50.4	75.4	-33.2	239.8	344.6	-30.4	4.8	4.6	4.2
Diesel	54.2	45.7	18.7	1 596.8	1 706.8	-6.4	29.4	37.4	-21.2
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.2	N	N	S	N	N	S	N	N
Alcohol fuels	V	N	N	V	N	N	V	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	S	N	N	S	N	N	S	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N
Cylinders ⁸ :									
4 cylinders	1.4	1.0	44.2	21.1	29.1	-27.5	14.7	29.2	-49.7
6 cylinders	39.6	31.5	25.4	1 441.6	1 473.1	-2.1	36.4	46.7	-22.0
8 cylinders	37.5	42.7	-12.2	323.5	349.0	-7.3	8.6	8.2	5.5
Other	31.5	50.0	-37.0	65.7	211.0	-68.9	2.1	4.2	-50.6
Cubic inch displacement ⁸ :									
Gasoline fuel	50.4	75.4	-33.2	239.8	344.6	-30.4	4.8	4.6	4.2
Less than 200	V	S	S	V	S	S	V	S	S
200 to 299 .....	.6	1.3	-55.8	S	S	S	S	S	S
300 to 349	3.1	5.2	-41.1	45.7	18.3	149.9	14.9	3.5	323.9
350 to 399	11.9	12.7	-6.3	96.9	81.0	19.6	8.1	6.4	27.6
400 or more	5.9	8.1	-26.6	55.5	97.2	-42.9	9.4	12.0	-22.3
Not available	28.9	47.7	-39.4	33.5	122.5	-72.6	1.2	2.6	-54.8
Diesel fuel	54.2	45.7	18.7	1 596.8	1 706.8	-6.4	29.4	37.4	-21.2
Less than 400	5.7	4.4	30.8	89.6	110.2	-18.7	15.6	25.1	-37.9
400 to 599	16.0	10.5	52.7	288.4	191.3	50.8	18.1	18.3	-1.3
600 to 799	10.3	6.9	49.0	440.5	376.4	17.0	43.0	54.7	-21.5
800 or more	13.0	12.4	4.4	574.3	779.0	-26.3	44.2	62.6	-29.4
Not available	9.3	11.5	-19.3	204.0	249.9	-18.4	22.0	21.7	1.2
Other fuel	1.3	S	S	14.7	S	S	11.4	S	S
Less than 400 .....	.6	V	N	S	V	S	S	V	S
400 or more .....	.6	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N
REFUELING LOCATION									
Gas station	50.0	N	N	461.1	N	N	9.2	N	N
Truck stop	15.5	N	N	817.7	N	N	52.7	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	35.4	N	N	498.2	N	N	14.1	N	N
Other company's/contractor's facility not open to the public	1.1	N	N	28.2	N	N	24.6	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	3.8	N	N	46.1	N	N	12.2	N	N
Not applicable ²	4.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
MAINTENANCE⁴									
General maintenance performed by:									
None performed	2.9	3.1	-6.6	S	93.2	S	S	30.1	S
Company-owned maintenance facility	33.5	34.4	-2.6	990.1	1 083.6	-8.6	29.5	31.5	-6.2
General repair business or private mechanic	30.6	25.3	21.0	738.7	471.7	56.6	24.1	18.6	29.5
Dealership service department	9.2	10.1	-8.8	352.2	377.6	-6.7	38.4	37.5	2.3
Leasing company .....	.7	1.1	-39.7	69.5	56.5	23.0	104.9	51.4	104.1
Individual not employed/paid by any maintenance type facility									
Other	41.6	62.3	-33.2	301.5	569.1	-47.0	7.3	9.1	-20.7
Not reported	3.0	7.1	-58.3	29.0	76.5	-62.1	9.8	10.8	-9.2
Not applicable ²	4.0	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed	83.5	7.2	1 064.3	1 222.5	143.8	750.3	14.6	20.1	-27.0
Company-owned maintenance facility	6.4	14.9	-57.3	227.7	326.8	-30.3	35.7	21.9	63.0
General repair business or private mechanic	7.0	22.4	-68.9	173.0	300.7	-42.5	24.8	13.4	84.8
Dealership service department	3.4	13.5	-74.6	149.9	653.1	-77.0	43.8	48.5	-9.7
Leasing company .....	.1	.7	-79.8	S	36.0	S	S	49.4	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility .....	.7	3.9	-81.8	21.6	247.2	-91.3	30.3	63.1	-52.0
Other	3.5	14.2	-75.5	41.5	98.5	-57.9	11.9	6.9	71.9
Not reported	S	54.9	S	S	603.2	S	S	11.0	S
Not applicable ²	4.0	N	N	S	N	N	S	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles	82.1	99.4	-17.5	620.7	735.0	-15.6	7.6	7.4	2.3
3 axles	68.7	82.7	-17.0	503.3	554.3	-9.2	7.3	6.7	9.4
4 axles	11.6	15.2	-23.7	93.8	155.2	-39.6	8.1	10.2	-20.8
5 axles or more	1.0	1.5	-32.6	17.8	25.6	-30.2	18.0	17.3	3.6
Not reported .....	.3	N	N	5.6	N	N	21.9	N	N
Combinations	27.9	25.8	8.2	1 231.2	1 327.3	-7.2	44.1	51.5	-14.3
Single-unit trucks with trailer	4.9	4.0	24.1	62.0	56.3	10.2	12.6	14.2	-11.2
3 axles	S	S	S	S	S	S	S	S	S
4 axles	3.6	2.7	35.5	37.6	29.9	25.7	10.4	11.2	-7.2
5 axles or more	1.0	1.0	-2.2	20.0	25.5	-21.5	19.6	24.4	-19.7
Truck-tractors with single trailer	22.2	21.6	2.8	1 101.5	1 249.6	-11.9	49.7	57.9	-14.3
3 axles	2.1	1.4	53.7	S	27.0	S	S	19.4	S
4 axles	2.2	2.4	-11.0	S	57.5	S	S	23.7	S
5 axles or more	16.9	17.7	-5.0	962.6	1 165.1	-17.4	57.1	65.7	-13.0
Truck-tractors with double trailers .....	.8	.2	227.9	67.7	S	S	86.2	S	S
5 axles .....	.5	.2	164.6	S	S	S	S	S	S
6 axles .....	.2	S	S	19.6	S	S	88.6	S	S
7 axles	S	S	S	S	S	S	S	V	S
8 axles or more	V	V	N	V	V	N	V	V	N
Truck-tractors with triple trailers	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Driving axles:									
1	75.3	91.9	-18.1	659.9	734.1	-10.1	8.8	8.0	9.7
2	34.3	32.9	4.4	1 189.0	1 322.5	-10.1	34.6	40.2	-13.9
3 or more	S	S	S	S	S	S	S	S	S
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations ⁹ :									
None	106.7	43.6	145.0	1 816.0	833.2	118.0	17.0	19.1	-11.0
1	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
Forward of the drive axle	1.7	N	N	17.2	N	N	10.0	N	N
Below the chassis .....	.5	N	N	7.9	N	N	14.7	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported .....	.4	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
Forward of the drive axle .....	.3	N	N	5.6	N	N	21.9	N	N
Below the chassis	V	N	N	V	N	N	V	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Total liftable axles and number of braking axles:									
None	106.7	43.6	145.0	1 816.0	833.2	118.0	17.0	19.1	-11.0
1	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
0 braking .....	.5	N	N	S	N	N	S	N	N
1 braking	2.1	N	N	26.1	N	N	12.5	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
0 braking	V	N	N	V	N	N	V	N	N
1 braking	V	N	N	V	N	N	V	N	N
2 or more braking .....	.3	N	N	5.6	N	N	21.9	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
CAB TYPE									
Conventional cab	101.0	96.6	4.5	1 759.7	1 757.0	.2	17.4	18.2	-4.2
With sleeper	10.6	N	N	800.6	N	N	75.2	N	N
Without sleeper	89.9	N	N	930.9	N	N	10.4	N	N
Not reported .....	.4	N	N	28.2	N	N	63.8	N	N
Cab over engine	8.6	10.7	-19.8	90.8	111.6	-18.6	10.6	10.4	1.5
With sleeper	1.7	N	N	30.4	N	N	17.6	N	N
Without sleeper	6.9	N	N	60.3	N	N	8.8	N	N
Not reported	V	N	N	V	N	N	V	N	N
Cab forward of engine	S	2.7	S	S	41.5	S	S	15.4	S
Cab beside engine	S	1.8	S	S	39.9	S	S	21.7	S
Not reported .....	.2	N	N	S	N	N	S	N	N

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

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

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

³Truck-tractors not in use.

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

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

⁶Distributed miles data are available in Table 8.

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

⁸Data were derived from administrative records.

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

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

Note: Table 3b provides estimated measures of sampling variability. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
Total .....	.8	2.7	2.5	4.0	3.4	4.7	4.0	3.9	5.7
BUSINESS									
For-hire transportation or warehousing	6.6	7.0	10.5	6.4	6.0	7.9	5.1	5.5	6.2
Vehicle leasing or rental	30.8	41.0	30.5	31.0	34.3	36.7	18.2	31.8	49.1
Agriculture, forestry, fishing, or hunting	3.6	4.1	4.6	15.7	8.8	16.2	15.4	8.2	18.8
Mining	21.0	20.5	25.0	25.5	23.6	22.7	24.9	23.9	26.6
Utilities	19.7	25.6	35.5	23.8	33.2	59.8	17.0	20.9	35.8
Construction	7.7	12.2	12.5	11.5	11.2	11.8	9.8	11.0	12.5
Manufacturing	18.8	19.6	23.4	23.8	20.9	18.8	21.4	18.2	19.5
Wholesale trade	17.9	19.4	21.6	18.5	20.9	18.8	12.8	14.7	16.0
Retail trade	13.9	15.7	18.1	21.7	20.3	25.8	17.2	14.9	23.0
Information services	40.5	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	16.9	N	N	19.0	N	N	14.4	N	N
Arts, entertainment, or recreation services	S	N	N	S	N	N	S	N	N
Accommodation or food services	34.1	N	N	48.5	N	N	36.1	N	N
Other services	21.3	N	N	32.8	N	N	23.8	N	N
Personal transportation	39.1	42.1	11.0	S	S	S	S	S	S
Not reported	17.9	N	N	22.6	N	N	23.0	N	N
Not applicable ¹	16.0	14.3	14.4	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	1.3	3.3	3.0	5.8	6.2	7.4	5.7	6.2	8.7
Armored	N	N	N	N	N	N	N	N	N
Beverage	S	N	S	S	N	S	N	N	S
Concrete mixer	22.3	17.4	22.9	27.1	22.2	11.6	21.9	13.8	10.6
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	S	28.6	S	S	45.4	S	S	38.0	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	7.4	12.4	30.1	17.1	16.0	28.4	16.4	15.6	13.1
Flatbed, stake, or platform	6.9	6.0	5.3	13.0	13.3	10.1	11.0	11.7	15.0
Low boy	S	41.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Service, utility	16.4	29.2	68.0	19.6	41.7	134.5	10.9	28.7	44.2
Service, other	19.9	29.6	53.3	24.2	40.5	62.4	14.2	26.9	26.9
Street sweeper	N	N	N	N	N	N	N	N	N
Tank, dry bulk	38.9	S	S	40.6	S	S	34.8	S	S
Tank, liquids or gases	17.2	25.9	46.4	23.1	31.6	62.2	16.1	22.6	29.5
Tow/Wrecker	24.0	S	S	39.8	S	S	30.7	S	S
Trash, garbage, or recycling	19.9	20.2	22.8	20.7	20.6	21.9	13.6	12.6	17.3
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	14.3	25.3	60.9	18.8	37.1	54.2	13.2	30.2	20.5
Van, insulated nonrefrigerated	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated	47.0	S	S	S	S	S	S	S	S
Van, open top	7.4	7.1	7.1	12.9	11.8	6.2	11.5	9.8	7.7
Van, step, walk-in, or multistop	16.4	21.4	13.3	22.6	18.6	23.0	15.6	17.4	37.1
Van, other	29.8	N	N	40.8	N	N	27.9	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	3.3	3.8	5.5	5.6	4.3	6.5	5.1	4.3	5.6
Automobile carrier	S	N	S	S	N	S	S	N	S
Beverage	40.7	S	S	40.9	S	S	33.8	S	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	10.9	14.6	36.4	16.0	17.7	24.8	13.5	10.0	8.8
Flatbed, stake, or platform	12.3	15.3	30.8	15.5	18.9	31.9	13.6	16.4	17.7
Livestock	20.4	24.2	30.6	25.7	23.7	22.9	21.2	22.4	20.9
Low boy	15.9	17.9	18.1	23.5	31.3	23.9	17.4	19.8	21.2
Mobile home toter	49.2	N	N	S	N	N	S	N	N
Open top	9.7	10.9	11.6	16.0	13.8	15.1	13.9	13.3	17.3
Pole, logging, pulpwood, or pipe	S	S	S	S	S	S	S	S	S
Tank, dry bulk	25.3	32.7	63.5	29.5	40.6	82.0	15.2	24.0	30.3
Tank, liquids or gases	19.8	18.5	14.2	22.4	19.4	16.3	10.4	10.3	15.4
Van, basic enclosed	9.6	10.7	17.6	12.1	11.3	16.3	6.8	6.4	7.5
Van, drop-frame	S	49.3	S	S	S	S	S	S	S
Van, insulated nonrefrigerated	S	40.1	S	S	40.6	S	S	5.9	S
Van, insulated refrigerated	14.9	12.2	17.2	18.3	12.9	23.0	7.4	4.2	9.8
Other	S	N	N	S	N	N	S	N	N
Not applicable ²	27.5	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	3.2	5.9	5.8	5.4	9.5	7.4	4.5	5.7	5.7
5,000 to 9,999	9.0	9.7	10.7	9.3	10.0	11.5	2.0	2.4	3.2
10,000 to 19,999	7.5	8.9	10.6	7.8	9.2	11.1	1.8	1.9	2.7
20,000 to 29,999	12.2	14.5	20.0	12.2	14.7	20.2	1.6	1.5	2.2
30,000 to 49,999	11.1	13.5	19.8	11.0	14.0	19.8	1.6	2.2	2.7
50,000 to 74,999	13.7	15.8	16.2	13.7	15.1	17.0	1.9	1.9	2.8
75,000 or more	6.9	5.7	7.7	7.8	5.7	8.3	2.7	1.5	3.1
Not applicable ¹	16.0	15.3	17.5	S	N	S	S	N	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
PRIMARY RANGE OF OPERATION									
Off-the-road	12.3	11.9	6.0	26.9	17.0	9.7	24.5	17.1	26.0
50 miles or less	2.5	4.3	4.5	6.2	6.3	7.8	5.8	6.0	8.1
51 to 100 miles	9.4	11.0	12.1	11.6	12.5	16.4	8.8	10.2	15.5
101 to 200 miles	13.3	13.2	13.3	12.3	11.4	9.3	10.6	10.9	11.8
201 to 500 miles	13.7	14.1	19.5	12.5	13.5	18.2	9.2	8.5	12.4
501 miles or more	9.8	9.3	12.7	12.3	9.1	14.2	6.3	4.2	7.5
Not reported	10.6	15.3	33.4	18.9	N	N	17.5	N	N
Not applicable	16.0	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	N	N	N	N	N	N	N	N	N
Operated in Mexico	N	N	N	N	N	N	N	N	N
Operated within the home base state	1.6	N	N	4.8	N	N	4.6	N	N
Operated in states other than the home base state	8.1	N	N	9.4	N	N	6.8	N	N
Not reported	11.1	N	N	17.2	N	N	16.5	N	N
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	3.8	N	N	5.3	N	N	4.8	N	N
7 to 11	7.1	N	N	10.2	N	N	9.4	N	N
2 to 6	6.0	N	N	12.6	N	N	12.2	N	N
1 or less	6.4	N	N	19.0	N	N	18.1	N	N
Vehicle not used	16.0	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	9.2	13.4	8.6	15.7	15.3	15.7	12.7	14.7	26.2
Medium	6.7	7.1	7.8	12.3	13.8	21.4	10.4	11.8	22.7
Light-heavy	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
Heavy-heavy	2.8	3.6	4.7	4.9	3.8	5.6	5.0	4.5	5.9
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	18.2	28.3	14.3	27.9	28.3	19.5	20.9	26.9	39.3
6,001 to 8,500	17.4	N	N	25.9	N	N	18.9	N	N
8,501 to 10,000	15.3	N	N	27.0	N	N	22.0	N	N
10,001 to 14,000	9.9	11.8	15.1	16.1	21.5	42.3	12.8	17.6	35.0
14,001 to 16,000	15.8	16.9	18.9	29.2	23.0	29.4	24.3	15.9	28.2
16,001 to 19,500	15.2	13.3	11.5	28.8	29.6	35.3	24.3	26.6	54.2
19,501 to 26,000	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
26,001 to 33,000	10.7	10.7	10.6	25.2	22.3	29.0	22.7	20.0	37.4
33,001 to 40,000	12.4	16.5	32.4	34.0	20.8	37.0	32.0	19.0	22.0
40,001 to 50,000	9.1	8.5	10.1	20.5	11.4	9.0	18.8	10.8	10.2
50,001 to 60,000	6.4	8.9	15.3	23.0	12.6	20.0	21.4	9.6	12.8
60,001 to 80,000	4.1	4.6	6.6	6.1	5.8	8.2	4.7	4.4	5.8
80,001 to 100,000	11.0	24.2	69.5	13.9	25.3	76.6	10.0	23.9	26.4
100,001 to 130,000	S	S	S	S	S	S	S	S	S
130,001 or more	N	N	N	N	N	N	N	N	N
TOTAL LENGTH (FEET)									
Less than 20.0	5.9	9.4	7.7	10.9	12.9	12.4	9.3	12.0	16.1
20.0 to 27.9	4.2	4.7	5.2	10.5	10.3	13.4	9.7	9.4	14.8
28.0 to 35.9	7.7	9.3	11.7	12.5	13.5	13.6	10.2	11.0	11.4
36.0 to 40.9	13.5	21.3	58.0	27.6	22.7	74.3	24.6	21.3	29.5
41.0 to 44.9	20.5	20.4	39.0	24.3	25.5	27.9	21.5	22.2	18.1
45.0 to 49.9	20.2	21.6	22.3	29.9	26.5	21.6	26.2	20.5	23.8
50.0 to 54.9	13.8	14.0	31.6	26.7	21.8	30.4	21.8	16.7	15.1
55.0 to 59.9	10.5	11.8	16.3	14.5	13.0	11.5	13.0	12.2	10.2
60.0 to 64.9	8.7	9.5	13.6	11.5	12.4	17.5	9.0	8.6	12.2
65.0 to 69.9	9.3	8.5	12.8	12.6	9.7	15.1	8.4	4.8	9.1
70.0 to 74.9	14.6	15.6	25.8	16.4	14.7	22.4	8.7	7.1	9.5
75.0 to 79.9	24.4	N	N	28.3	N	N	14.3	N	N
80.0 or more	44.0	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	7.1	8.9	11.8	9.6	10.7	18.7	9.2	10.6	17.6
5 to 6.9	4.4	5.0	6.0	5.7	4.8	5.8	5.8	5.7	7.0
7 to 8.9	7.8	7.8	7.6	20.2	13.0	23.5	18.8	11.4	31.3
9 to 10.9	8.3	12.5	12.2	14.2	19.6	22.7	11.3	18.7	25.2
11 to 12.9	14.3	27.4	26.3	20.4	26.7	22.8	15.3	26.3	24.3
13 to 14.9	21.8	42.4	30.2	27.4	33.1	58.7	16.9	24.8	64.8
15 or more	28.6	22.5	14.8	35.3	31.0	9.5	19.2	21.4	14.3
15 to 20.9	28.6	22.5	14.8	35.3	31.0	9.5	19.2	21.4	14.3
21 to 24.9	N	N	N	N	N	N	N	N	N
25 or more	N	N	N	N	N	N	N	N	N
Not reported	7.5	8.3	10.6	14.6	14.5	27.7	13.8	13.9	27.9
Not applicable ¹	16.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	S	N	N	S	N	N	S	N	N
2002	24.8	N	N	29.4	N	N	21.3	N	N
2001	19.1	N	N	21.8	N	N	16.6	N	N
2000	14.0	N	N	12.7	N	N	10.0	N	N
1999	14.6	N	N	19.5	N	N	15.7	N	N
1998	16.4	S	S	15.8	S	S	14.8	S	S
1997	14.5	18.6	31.3	16.0	15.0	19.7	12.1	14.6	12.9
1996	15.3	15.6	19.6	14.8	12.9	10.2	12.0	10.0	9.0
1995	14.6	18.2	25.8	15.9	14.8	12.7	12.0	13.0	9.4
1994	14.4	20.0	36.1	15.8	19.0	16.3	12.8	15.0	9.0
1993	16.9	19.6	28.7	24.6	17.7	16.4	19.4	15.2	12.1
Pre-1993	2.2	3.3	2.7	6.1	4.8	2.9	5.9	5.0	4.1
VEHICLE ACQUISITION									
New	5.0	6.3	8.2	7.4	6.9	10.6	6.5	6.3	9.3
Used	2.3	4.2	4.1	5.2	5.8	8.5	5.1	6.1	10.1
Not reported	14.8	11.0	10.0	19.0	9.3	6.1	17.7	9.4	10.7
LEASE CHARACTERISTICS									
Leased	9.5	N	N	8.8	N	N	7.3	N	N
Lessee	10.3	N	N	9.3	N	N	8.0	N	N
Vehicle only	12.3	N	N	11.5	N	N	9.8	N	N
Vehicle with driver	16.0	N	N	17.0	N	N	5.9	N	N
Not reported	S	N	N	S	N	N	S	N	N
Lessor	28.0	N	N	32.8	N	N	16.1	N	N
Vehicle only	31.1	N	N	35.6	N	N	17.4	N	N
Vehicle with driver	S	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	2.4	N	N	6.4	N	N	6.2	N	N
Not reported	5.0	N	N	9.0	N	N	8.5	N	N
Length of leasing agreement:									
Leased	9.5	N	N	8.8	N	N	7.3	N	N
1 to 11 months	44.0	N	N	48.8	N	N	21.1	N	N
12 months or more	9.8	N	N	9.1	N	N	7.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
Provisions of lease:									
Financing only	15.2	N	N	15.4	N	N	11.7	N	N
Full maintenance	21.1	N	N	19.6	N	N	16.8	N	N
Payment of taxes	14.7	N	N	13.8	N	N	10.3	N	N
Obtaining licenses and permits	11.5	N	N	11.0	N	N	7.3	N	N
Recordkeeping	16.6	N	N	14.9	N	N	12.0	N	N
Fuel contract	29.5	N	N	28.3	N	N	21.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	1.6	N	N	7.0	N	N	6.8	N	N
Motor carrier	6.8	N	N	7.1	N	N	5.6	N	N
Owner operator	10.5	N	N	10.9	N	N	8.7	N	N
Rental	29.6	N	N	30.9	N	N	18.6	N	N
Personal transportation	39.1	N	N	S	N	N	S	N	N
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	8.8	N	N	8.3	N	N	5.5	N	N
Common	8.6	N	N	9.8	N	N	7.7	N	N
Not reported	17.8	N	N	20.0	N	N	12.9	N	N
Not applicable ³	1.4	N	N	6.8	N	N	6.6	N	N
Type of service:									
Truckload	5.9	7.2	11.1	6.1	6.8	8.8	4.7	5.3	5.8
Less-than truckload	15.7	23.3	45.3	19.1	20.5	48.6	13.7	17.7	24.1
Not reported	17.8	N	N	20.6	N	N	13.9	N	N
Not applicable ³	1.4	N	N	6.8	N	N	6.6	N	N
Source of hauls:									
Shippers or receivers	6.9	N	N	7.1	N	N	5.3	N	N
Brokers	22.3	N	N	24.3	N	N	9.8	N	N
Centralized markets or exchanges	40.7	N	N	40.7	N	N	29.1	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	12.2	N	N	13.2	N	N	10.6	N	N
Not applicable ³	1.4	N	N	6.8	N	N	6.6	N	N
HAZARDOUS MATERIALS CARRIED⁴									
Carrying hazardous materials	12.9	12.1	17.6	15.0	10.0	10.9	12.3	10.2	9.7
Not carrying hazardous materials	1.7	2.1	2.3	4.9	4.3	5.7	4.8	4.2	6.5
Not reported	9.2	10.3	12.7	12.6	17.6	54.0	12.5	16.2	55.6
Not applicable ⁵	13.4	N	N	28.7	N	N	28.5	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE									
Aerial work platform/bucket	27.5	N	N	37.3	N	N	24.2	N	N
Air bag(s) (safety device only)	11.9	9.9	12.4	13.1	8.5	6.3	10.5	7.4	6.5
Air compressor (except air brakes)	14.5	N	N	16.7	N	N	14.5	N	N
Air-conditioning	3.6	6.4	8.1	4.5	4.4	6.0	4.1	5.9	6.2
Air springs	5.6	N	N	7.5	N	N	5.5	N	N
Antilock brake system	6.8	11.3	25.3	7.1	10.0	20.8	6.1	9.1	9.7
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	15.5	N	N	17.1	N	N	10.8	N	N
Crane	20.4	N	N	23.3	N	N	12.3	N	N
Electronic vehicle identification device	27.1	19.2	8.0	32.0	16.1	7.9	17.1	12.3	19.2
Engine retarder/brake	4.4	5.7	8.5	6.0	6.4	8.2	4.4	4.1	4.8
Front-wheel drive	N	N	N	N	N	N	N	N	N
Hoist	4.8	N	N	9.6	N	N	9.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	19.6	N	N	19.8	N	N	15.6	N	N
Internet access	49.2	N	N	S	N	N	S	N	N
Lift gate	15.7	N	N	23.3	N	N	17.2	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	29.5	S	S	33.8	S	S	16.5	S
Power take-off	4.0	N	N	7.3	N	N	7.0	N	N
Radial tires	3.1	4.4	4.8	4.3	4.0	4.6	4.1	4.7	5.5
Reflective material in addition to those required by law	9.9	8.0	6.6	12.3	8.2	6.8	10.7	8.0	11.9
Road speed governor	5.6	6.4	8.0	7.0	6.4	8.4	6.2	6.5	8.5
Toolbox	6.3	N	N	7.7	N	N	6.7	N	N
Trip recorder or on-board computer with communication capabilities	20.3	N	N	19.6	N	N	14.0	N	N
Trip recorder or on-board computer without communication capabilities	20.4	N	N	20.4	N	N	16.8	N	N
Vehicle control aids for handicapped drivers	N	N	N	N	N	N	N	N	N
Wheelchair lift	N	N	N	N	N	N	N	N	N
Winch	14.0	N	N	23.0	N	N	18.3	N	N
Transmission type:									
Automatic	7.2	N	N	10.7	N	N	7.8	N	N
Manual	1.9	N	N	4.9	N	N	4.9	N	N
Semiautomated manual	45.9	N	N	S	N	N	S	N	N
Automated manual	49.2	N	N	S	N	N	S	N	N
Not reported	13.8	N	N	17.6	N	N	18.0	N	N
Braking system:									
Hydraulic (standard)	4.5	5.8	7.3	15.2	13.0	23.0	14.6	11.5	21.6
Hydraulic with power assist	5.8	6.0	6.2	11.7	12.5	13.6	10.1	11.0	15.8
Air	2.8	3.6	4.8	4.6	3.9	5.4	4.5	4.3	5.2
Other	N	34.3	N	N	S	S	N	S	S
Not reported	13.8	N	N	20.3	N	N	18.7	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	3.3	4.8	3.9	10.7	9.2	9.8	10.1	8.6	13.8
Diesel	2.8	3.6	5.5	4.5	3.9	5.6	4.3	3.8	4.5
Natural gas	N	N	N	N	N	N	N	N	N
Propane	34.0	N	N	S	N	N	S	N	N
Alcohol fuels	N	N	N	N	N	N	N	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	S	N	N	S	N	N	S	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
Cylinders ⁶ :									
4 cylinders	22.7	27.1	51.0	28.3	30.0	29.9	20.5	16.5	13.2
6 cylinders	3.3	4.6	7.1	4.9	4.1	6.3	4.7	4.5	5.0
8 cylinders	4.4	8.5	8.4	9.1	11.1	13.3	7.9	10.5	13.8
Other	5.0	4.4	4.2	13.0	10.3	5.2	12.4	9.7	7.8
Cubic inch displacement ⁶ :									
Gasoline fuel	3.3	4.8	3.9	10.7	9.2	9.8	10.1	8.6	13.8
Less than 200	N	S	S	N	S	S	N	S	S
200 to 299	49.7	40.5	28.4	S	S	S	S	S	S
300 to 349	20.8	35.4	24.2	38.6	38.5	136.3	32.5	38.2	212.8
350 to 399	9.8	17.2	18.6	14.6	19.0	28.7	11.1	14.9	23.8
400 or more	14.6	24.7	21.1	22.1	23.4	18.4	16.5	22.3	21.6
Not available	5.5	4.7	4.4	13.6	12.6	5.1	12.4	11.6	7.7
Diesel fuel	2.8	3.6	5.5	4.5	3.9	5.6	4.3	3.8	4.5
Less than 400	13.9	19.3	31.1	16.8	24.8	24.4	10.4	15.7	11.7
400 to 599	7.9	12.2	22.1	15.9	16.1	34.1	13.6	11.1	17.3
600 to 799	6.5	7.9	15.3	9.6	9.4	15.7	8.1	7.5	8.7
800 or more	4.6	4.2	6.6	7.3	6.1	7.0	5.9	4.5	5.2
Not available	7.8	7.0	8.4	12.6	11.8	14.1	12.2	10.1	16.0
Other fuel	32.2	S	S	46.2	S	S	32.5	S	S
Less than 400	47.0	N	N	S	N	S	S	N	S
400 or more	49.7	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	16.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
REFUELING LOCATION									
Gas station	3.5	N	N	7.7	N	N	7.0	N	N
Truck stop	5.7	N	N	5.9	N	N	5.6	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	4.5	N	N	11.0	N	N	10.4	N	N
Other company's/contractor's facility not open to the public	27.2	N	N	37.3	N	N	37.6	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	16.6	N	N	22.3	N	N	22.4	N	N
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	19.7	22.1	27.6	S	22.3	S	S	26.6	S
Company-owned maintenance facility	4.5	7.2	8.2	6.9	5.7	8.1	6.2	7.1	8.9
General repair business or private mechanic	5.1	9.6	13.1	6.6	8.9	17.4	5.9	10.4	15.5
Dealership service department	9.6	11.3	13.5	9.7	11.0	13.7	8.5	10.1	13.5
Leasing company	23.0	30.7	23.1	25.4	25.2	44.0	11.1	18.0	43.2
Individual not employed/paid by any maintenance type facility:									
Other	4.1	4.6	4.1	9.0	7.2	6.1	8.9	7.1	9.0
Not reported	N	S	S	N	S	S	N	S	S
Not reported	19.3	13.2	9.7	27.6	20.2	13.0	27.2	18.7	30.0
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed	1.9	14.0	164.9	5.5	16.8	150.0	5.4	18.2	13.9
Company-owned maintenance facility	10.7	14.0	7.5	13.0	11.3	12.0	11.1	14.4	29.6
General repair business or private mechanic	11.5	7.7	4.3	13.5	10.4	9.8	11.1	9.8	27.4
Dealership service department	16.4	8.2	4.7	19.3	7.8	4.8	15.9	6.7	15.6
Leasing company	49.2	34.6	12.1	S	30.2	S	S	32.1	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	36.6	13.6	7.1	40.8	13.0	3.7	26.7	10.9	13.8
Other	N	44.9	N	N	42.7	N	N	51.3	N
Not reported	S	5.1	S	S	7.6	S	S	7.3	S
Not applicable ¹	16.0	N	N	S	N	N	S	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer:									
2 axles	1.6	3.5	3.2	6.0	6.5	7.5	5.8	6.4	8.9
3 axles	1.9	4.3	3.9	7.2	8.2	9.9	6.9	8.0	11.5
4 axles	5.7	7.5	7.2	9.2	10.6	8.5	8.3	9.7	10.1
5 axles or more	18.6	20.4	18.6	22.9	22.4	22.4	13.3	20.1	25.0
Not reported	37.1	N	N	42.9	N	N	21.5	N	N
Combinations	43.1	N	N	S	N	S	S	N	S
Single-unit trucks with trailer:									
3 axles	3.7	4.4	6.2	5.5	4.2	6.4	5.2	4.7	6.0
4 axles	15.0	20.1	31.1	26.8	25.6	40.8	22.9	19.9	26.9
5 axles or more	S	S	S	S	S	S	S	S	S
Not reported	18.8	26.9	44.5	39.9	39.2	70.4	35.1	28.6	42.0
Truck-tractors with single trailer:	21.9	26.3	33.4	32.0	32.6	35.9	23.3	25.6	27.8
3 axles	N	N	N	N	N	N	N	N	N
4 axles	3.3	3.9	5.2	5.5	4.3	6.2	5.1	4.3	5.7
5 axles or more	21.0	28.8	54.8	S	36.5	S	S	38.6	S
Not reported	18.5	18.3	23.1	S	23.7	S	S	19.4	S
Truck-tractors with double trailers:	3.0	3.8	4.6	4.8	4.6	5.5	4.1	3.9	4.9
5 axles	21.9	N	N	25.8	N	N	19.2	N	N
6 axles	33.8	40.2	172.3	41.0	S	S	18.5	S	S
7 axles	47.0	44.1	170.4	S	S	S	S	S	S
8 axles or more	40.1	S	S	40.9	S	S	7.9	S	S
Not reported	S	N	S	S	N	S	S	N	S
Truck-tractors with triple trailers:	N	N	N	N	N	N	N	N	N
7 axles	N	N	N	N	N	N	N	N	N
8 axles	N	N	N	N	N	N	N	N	N
9 axles	N	N	N	N	N	N	N	N	N
10 axles or more	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Driving axles:									
1	1.6	3.4	3.0	9.0	6.9	10.2	8.9	6.8	12.3
2	2.6	6.1	6.9	4.0	4.3	5.3	4.0	6.3	6.4
3 or more	S	S	S	S	S	S	S	S	S
Not reported	37.1	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.9	4.8	12.0	4.1	6.2	16.3	4.1	6.3	6.7
1	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
Forward of the drive axle	22.2	N	N	25.0	N	N	23.5	N	N
Below the chassis	40.7	N	N	44.9	N	N	46.6	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	45.7	N	N	S	N	N	S	N	N
2 or more	37.1	49.2	100.7	42.9	S	S	21.5	S	S
Forward of the drive axle	37.1	N	N	42.9	N	N	21.5	N	N
Below the chassis	N	N	N	N	N	N	N	N	N
Beyond the chassis	S	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.1	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicle and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
TRUCK TYPE AND AXLE ARRANGEMENT—Con.									
Total liftable axles and number of braking axles:									
None .....	.9	4.8	12.0	4.1	6.2	16.3	4.1	6.3	6.7
1	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
0 braking	45.9	N	N	S	N	N	S	N	N
1 braking	19.0	N	N	22.1	N	N	20.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	37.1	49.2	100.7	42.9	S	S	21.5	S	S
0 braking	N	N	N	N	N	N	N	N	N
1 braking	N	N	N	N	N	N	N	N	N
2 or more braking	37.1	N	N	42.9	N	N	21.5	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.1	N	N	S	N	N	S	N	N
CAB TYPE									
Conventional cab	1.1	2.3	2.7	4.2	3.9	5.7	4.2	3.9	5.5
With sleeper	4.9	N	N	7.1	N	N	5.2	N	N
Without sleeper	1.4	N	N	5.8	N	N	5.6	N	N
Not reported	28.3	N	N	35.1	N	N	20.7	N	N
Cab over engine	8.8	10.2	10.8	17.0	14.0	17.9	15.6	13.3	20.8
With sleeper	14.1	N	N	37.1	N	N	34.3	N	N
Without sleeper	10.5	N	N	17.5	N	N	15.2	N	N
Not reported	N	N	N	N	N	N	N	N	N
Cab forward of engine	S	25.0	S	S	34.3	S	S	24.8	S
Cab beside engine	S	32.2	S	S	38.7	S	S	19.5	S
Not reported	44.0	N	N	S	N	N	S	N	N

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

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

²Truck-tractors not in use.

³Vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

⁴Distributed miles data are available in Table 8.

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

⁶Data were derived from administrative records.

Table 4. Trucks by Vehicle Size: 2002

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
Total	1 079.1	967.3	37.1	21.8	52.8	X
Coefficient of variation (percent) .....	.5	.8	15.3	6.7	2.8	X
BUSINESS¹						
For-hire transportation or warehousing	20.0	S	1.6	1.8	10.0	18.1
Vehicle leasing or rental	8.8	8.2	S	V	.5	46.4
Agriculture, forestry, fishing, or hunting	89.3	40.5	14.0	11.6	23.3	10.3
Mining	S	S	S	S	1.2	S
Utilities	7.3	S	.7	S	1.2	41.4
Construction	56.9	42.1	5.4	2.3	7.1	16.0
Manufacturing	12.9	10.8	S	S	1.2	35.7
Wholesale trade	5.6	S	1.2	S	.9	38.8
Retail trade	36.2	31.8	1.6	1.1	1.8	21.4
Information services .....	.8	S	S	V	S	40.5
Waste management, landscaping, or administrative/support services	11.5	S	S	.6	1.9	36.2
Arts, entertainment, or recreation services	S	V	S	V	S	S
Accommodation or food services	1.0	S	S	S	S	34.1
Other services	23.0	20.9	1.4	.5	S	27.8
Personal transportation	769.8	767.0	S	S	S	2.4
Not reported	7.2	S	S	.9	1.3	41.8
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
BODY TYPE						
Single-unit trucks	1 055.4	967.3	37.1	21.4	29.5	.5
Pickup	562.3	547.2	15.0	V	V	1.2
Minivan	108.0	108.0	V	V	V	11.8
Other light vans	72.4	72.4	V	V	V	15.1
Sport utility	226.4	226.4	V	V	V	6.6
Armored	V	V	V	V	V	N
Beverage	S	V	S	S	S	S
Concrete mixer	1.0	V	V	V	1.0	22.3
Concrete pumper	S	V	V	V	S	S
Crane	S	V	S	V	S	S
Curtainside	S	V	V	S	V	S
Dump	16.8	1.2	2.4	5.0	8.2	7.4
Flatbed, stake, or platform	20.7	4.4	7.7	5.6	3.1	6.9
Low boy	S	V	V	V	S	S
Pole, logging, pulpwood, or pipe	S	V	V	S	V	S
Service, utility	4.6	1.3	1.7	S	1.3	16.4
Service, other	3.2	1.5	1.1	S	.4	19.9
Street sweeper	V	V	V	V	V	N
Tank, dry bulk .....	.7	V	S	S	S	38.9
Tank, liquids or gases	3.5	S	S	.9	2.2	17.2
Tow/Wrecker	2.0	S	.7	.7	.3	24.0
Trash, garbage, or recycling	2.1	V	V	S	1.8	19.9
Vacuum	S	V	V	V	S	S
Van, basic enclosed	5.6	1.5	1.6	2.1	.3	14.3
Van, insulated nonrefrigerated	S	V	S	V	V	S
Van, insulated refrigerated .....	.6	S	S	S	V	47.0
Van, open top	18.0	.5	3.0	4.6	9.9	7.4
Van, step, walk-in, or multistop	4.7	1.6	2.5	.6	S	16.4
Van, other	1.5	.8	S	S	S	29.8
Other	V	V	V	V	V	N
Truck-tractors	23.7	V	V	.4	23.3	3.3
Automobile carrier	S	V	V	V	S	S
Beverage .....	.5	V	V	V	.5	40.7
Curtainside	S	V	V	V	S	S
Dump	3.4	V	V	V	3.4	10.9
Flatbed, stake, or platform	3.5	V	V	S	3.5	12.3
Livestock	1.1	V	V	V	1.1	20.4
Low boy	1.4	V	V	V	1.4	15.9
Mobile home toter .....	.1	V	V	V	.1	49.2
Open top	4.1	V	V	V	4.1	9.7
Pole, logging, pulpwood, or pipe	S	V	V	V	S	S
Tank, dry bulk .....	.6	V	V	V	.6	25.3
Tank, liquids or gases .....	.9	V	V	V	.9	19.8
Van, basic enclosed	4.7	V	V	S	4.6	9.6
Van, drop-frame	S	V	V	V	S	S
Van, insulated nonrefrigerated	S	V	V	V	S	S
Van, insulated refrigerated	2.1	V	V	V	2.1	14.9
Other	S	V	V	V	S	S
Not applicable ³ .....	.7	V	V	S	.5	27.5
ANNUAL MILES						
Less than 5,000	238.4	185.5	15.9	14.3	22.7	7.4
5,000 to 9,999	229.2	216.9	4.8	2.2	5.2	8.1
10,000 to 19,999	423.2	404.1	10.0	2.1	7.0	5.2
20,000 to 29,999	98.8	91.1	S	1.0	2.5	13.3
30,000 to 49,999	47.8	42.1	1.2	1.0	3.6	18.9
50,000 to 74,999	9.0	S	S	S	2.4	39.8
75,000 or more	9.9	S	V	V	7.8	20.9
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
PRIMARY RANGE OF OPERATION						
Off-the-road	27.3	19.0	S	1.1	3.4	23.9
50 miles or less	766.9	701.1	22.0	14.2	29.6	2.7
51 to 100 miles	89.8	77.2	S	1.3	5.4	13.8
101 to 200 miles	35.2	29.1	S	.7	2.8	22.4
201 to 500 miles	13.6	10.7	S	S	2.5	33.7
501 miles or more	21.0	16.6	S	V	4.3	27.8
Not reported	102.5	94.4	1.8	3.2	3.2	12.9
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
PRIMARY JURISDICTION						
Operated in Canada.....	V	V	V	V	V	N
Operated in Mexico.....	V	V	V	V	V	N
Operated within the home base state.....	942.2	851.2	31.8	17.4	41.7	1.6
Operated in states other than the home base state.....	18.2	8.6	S	S	6.6	25.6
Not reported.....	95.8	88.2	1.7	3.0	2.9	13.3
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
MONTHS OPERATED						
12.....	756.8	711.9	18.3	6.5	20.2	2.7
7 to 11.....	115.2	98.4	5.2	3.0	8.6	11.8
2 to 6.....	120.7	97.4	5.9	4.4	12.9	11.2
1 or less.....	63.7	40.4	7.0	6.7	9.6	14.3
Vehicle not used.....	22.8	19.3	.7	1.1	1.6	27.2
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	705.4	705.4	N	N	N	2.9
6,001 to 8,500.....	211.6	211.6	N	N	N	8.7
8,501 to 10,000.....	50.4	50.4	N	N	N	18.4
10,001 to 14,000.....	26.6	N	26.6	N	N	21.0
14,001 to 16,000.....	5.1	N	5.1	N	N	15.8
16,001 to 19,500.....	5.5	N	5.5	N	N	15.2
19,501 to 26,000.....	21.8	N	N	21.8	N	6.7
26,001 to 33,000.....	9.8	N	N	N	9.8	10.7
33,001 to 40,000.....	6.8	N	N	N	6.8	12.4
40,001 to 50,000.....	8.6	N	N	N	8.6	9.1
50,001 to 60,000.....	9.7	N	N	N	9.7	6.4
60,001 to 80,000.....	14.8	N	N	N	14.8	4.1
80,001 to 100,000.....	3.0	N	N	N	3.0	11.0
100,001 to 130,000.....	S	N	N	N	S	S
130,001 or more.....	V	N	N	N	V	N
TOTAL LENGTH (FEET)						
Less than 20.0.....	863.9	843.9	10.0	6.0	3.8	1.8
20.0 to 27.9.....	102.4	64.6	12.4	11.6	13.7	10.8
28.0 to 35.9.....	77.3	58.7	6.9	2.5	9.2	14.1
36.0 to 40.9.....	11.4	S	7.4	.5	3.3	32.2
41.0 to 44.9.....	2.0	V	V	.6	1.4	20.5
45.0 to 49.9.....	1.9	V	S	S	1.4	20.2
50.0 to 54.9.....	3.0	V	V	S	3.0	13.8
55.0 to 59.9.....	4.5	V	V	S	4.2	10.5
60.0 to 64.9.....	4.8	V	V	S	4.8	8.7
65.0 to 69.9.....	4.5	V	V	V	4.5	9.3
70.0 to 74.9.....	2.6	V	V	V	2.6	14.6
75.0 to 79.9.....	6	V	V	V	.6	24.4
80.0 or more.....	.2	V	V	V	.2	44.0
MILES PER GALLON						
Less than 5.....	16.8	S	1.8	2.2	10.1	13.9
5 to 6.9.....	39.5	7.5	4.1	4.6	23.4	9.8
7 to 8.9.....	37.1	22.2	4.1	3.4	7.5	17.8
9 to 10.9.....	86.2	69.0	10.8	3.1	3.4	13.5
11 to 12.9.....	91.1	82.8	6.9	1.2	6	13.9
13 to 14.9.....	72.7	71.5	.6	S	S	15.9
15 or more.....	556.0	551.2	S	S	S	4.0
15 to 20.9.....	427.4	422.5	S	S	S	5.2
21 to 24.9.....	95.9	95.9	V	V	V	13.8
25 or more.....	32.7	32.7	V	V	V	24.6
Not reported.....	156.7	141.1	3.5	5.9	6.2	10.1
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
MODEL YEAR						
2003.....	S	V	V	V	S	S
2002.....	81.3	77.7	S	S	.9	15.1
2001.....	62.4	60.4	.7	S	1.3	17.2
2000.....	65.6	61.7	1.1	.6	2.2	16.6
1999.....	77.9	71.8	S	.6	2.3	15.1
1998.....	70.8	65.9	S	S	1.6	16.0
1997.....	71.0	67.0	1.5	.6	1.8	15.8
1996.....	68.6	65.6	.7	S	1.9	16.1
1995.....	51.6	46.2	S	S	2.5	18.7
1994.....	51.6	48.0	.8	.6	2.3	18.7
1993.....	52.6	50.0	.6	V	2.0	18.7
Pre-1993.....	425.6	353.2	20.2	18.2	34.0	5.0
VEHICLE ACQUISITION						
New.....	346.5	309.8	17.9	4.6	14.1	6.0
Used.....	683.3	611.8	18.3	16.3	36.8	3.2
Not reported.....	49.3	45.8	.8	.8	1.9	19.1
LEASE CHARACTERISTICS						
Leased.....	36.9	28.9	1.9	1.1	5.0	20.5
Lessees.....	29.8	22.8	1.9	.9	4.2	22.6
Vehicle only.....	5.9	S	1.9	.9	2.7	12.3
Vehicle with driver.....	1.3	V	V	V	1.3	16.0
Not reported.....	S	V	V	V	S	S
Not applicable ⁴	22.5	22.5	V	V	V	29.9
Lessors.....	S	S	V	S	.7	S
Vehicle only.....	8	S	V	V	5.5	31.1
Vehicle with driver.....	S	V	V	V	S	S
Not reported.....	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	S
Not reported.....	S	S	V	V	S	S
Not leased.....	654.7	584.7	22.4	13.8	33.8	3.4
Not reported.....	387.5	353.7	12.8	7.0	14.0	5.6

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	36.9	28.9	1.9	1.1	5.0	20.5
1 to 11 months	.2	V	V	V	.2	44.0
12 months or more	7.9	S	1.9	.9	4.7	9.8
Not reported	S	V	V	S	S	S
Not applicable ⁴	28.6	28.6	V	V	V	26.4
Provisions of lease ⁵ :						
Financing only	4.3	S	1.6	.9	1.7	15.2
Full maintenance	1.6	S	S	S	1.1	21.1
Payment of taxes	2.6	S	S	S	2.0	14.7
Obtaining licenses and permits	3.4	S	S	S	2.9	11.5
Recordkeeping	2.2	S	S	S	1.7	16.6
Fuel contract	.7	V	S	S	.4	29.5
PRIMARY OPERATOR CLASSIFICATION						
Private	253.8	166.1	32.1	18.4	37.1	6.7
Motor carrier	15.7	S	1.5	1.8	9.7	14.1
Owner operator	8.1	S	S	S	3.7	35.1
Rental	8.8	8.2	S	V	.5	46.3
Personal transportation	769.8	767.0	S	S	S	2.4
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
For-hire characteristics:						
Type of carrier:						
Contract	6.4	S	S	S	5.3	8.8
Common	8.6	S	.6	1.4	6.3	8.6
Not reported	2.8	S	.7	S	1.8	17.8
Not applicable ⁶	1 061.3	966.6	35.4	19.9	39.4	.5
Type of service:						
Truckload	11.0	V	.6	.9	9.5	5.9
Less-than truckload	4.0	.6	.6	.8	2.1	15.7
Not reported	2.8	S	.6	S	1.8	17.8
Not applicable ⁶	1 061.3	966.6	35.4	19.9	39.4	.5
Source of hauls:						
Shippers or receivers	11.6	.6	.9	1.2	8.9	6.9
Brokers	.7	V	V	V	.7	22.3
Centralized markets or exchanges	.5	V	S	S	.3	40.7
Other	V	V	V	V	V	N
Not reported	5.0	S	.7	.6	3.6	12.2
Not applicable ⁶	1 061.3	966.6	35.4	19.9	39.4	.5
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	5.4	S	S	.9	4.1	12.9
Not carrying hazardous materials	87.7	10.0	18.9	16.6	42.2	1.7
Not reported	11.3	2.4	1.8	2.9	4.3	9.2
Not applicable ⁸	974.6	954.8	16.1	1.4	2.3	.6
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	1.7	.6	S	S	S	27.5
Air bag(s) (safety device only)	540.8	531.9	6.5	.6	1.9	4.0
Air compressor (except air brakes)	4.0	S	S	.5	2.7	14.5
Air-conditioning	852.3	803.6	19.5	3.9	25.2	2.0
Air springs	10.4	S	S	S	9.9	5.6
Antilock brake system	562.6	541.4	10.6	2.0	8.6	3.9
Collision warning system	S	V	V	V	S	S
Computerized drive train control unit	126.5	122.7	S	S	1.5	11.8
Crane	2.5	S	S	S	1.7	20.4
Electronic vehicle identification device	.5	V	V	V	.5	27.1
Engine retarder/brake	12.1	S	S	S	11.7	4.4
Front-wheel drive	387.5	383.2	S	V	V	5.6
Hoist	34.1	2.1	6.7	9.1	16.2	4.8
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	S	S	S	1.2	19.6
Internet access	.1	V	V	V	.1	49.2
Lift gate	4.4	.7	1.4	.8	1.5	15.7
Mounting bar for snowplow	S	S	S	S	S	S
Navigational system	S	V	V	S	S	S
Power take-off	41.7	1.5	7.0	8.6	24.5	4.0
Radial tires	727.2	672.0	14.3	7.3	33.6	2.9
Reflective material in addition to those required by law	8.4	S	1.3	1.3	5.4	9.9
Road speed governor	21.2	1.0	2.0	2.4	15.8	5.6
Toolbox	144.6	118.7	13.4	2.5	10.0	10.0
Trip recorder or on-board computer with communication capabilities	41.1	36.7	S	.7	.9	21.1
Trip recorder or on-board computer without communication capabilities	168.9	165.4	S	S	1.0	9.9
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	15.4	10.8	1.6	.8	2.2	30.5
Transmission type:						
Automatic	807.8	792.3	10.1	2.6	2.9	2.1
Manual	242.4	151.8	26.0	17.7	46.9	6.5
Semiautomated manual	.5	S	V	V	.3	45.9
Automated manual	.1	V	V	V	.1	49.2
Not reported	28.3	23.1	1.0	1.5	2.6	24.2
Braking system:						
Hydraulic (standard)	36.7	7.4	11.6	10.8	6.9	4.5
Hydraulic with power assist	26.9	5.1	8.3	7.4	6.1	5.8
Air	40.7	S	.8	2.2	37.7	2.8
Other	V	V	V	V	V	N
Not reported	5.6	.7	1.3	1.4	2.2	13.8
Not applicable ¹⁰	969.1	954.1	15.0	V	V	.6

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	929.1	876.8	25.4	15.1	11.7	1.5
Diesel	105.3	50.5	10.7	4.8	39.3	9.4
Natural gas	V	V	V	V	V	N
Propane	1.2	S	S	.7	S	34.0
Alcohol fuels	S	S	V	V	V	S
Electricity	V	V	V	V	V	N
Combination	18.6	18.5	S	V	V	32.8
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
Cylinders ¹¹ :						
4 cylinders	96.3	95.6	.3	S	S	13.8
6 cylinders	413.6	375.6	2.0	3.7	32.3	5.0
8 cylinders	523.0	481.8	25.3	8.5	7.4	4.1
Other	46.2	14.3	9.6	9.3	13.1	12.2
Cubic inch displacement ¹¹ :						
Gasoline fuel	929.1	876.8	25.4	15.1	11.7	1.5
Less than 200	182.3	182.3	V	V	V	9.6
200 to 299	284.9	284.4	S	S	V	6.8
300 to 349	187.8	186.0	1.1	S	.6	9.4
350 to 399	182.5	170.5	7.9	2.2	2.0	9.3
400 or more	47.9	37.2	8.8	1.0	.8	19.0
Not available	43.8	16.5	7.4	11.6	8.3	13.0
Diesel fuel	105.3	50.5	10.7	4.8	39.3	9.4
Less than 400	22.7	18.7	2.1	.9	1.0	26.0
400 to 599	50.1	31.7	7.7	2.9	7.8	16.4
600 to 799	10.3	V	S	S	9.8	6.5
800 or more	13.0	V	V	S	12.9	4.6
Not available	9.3	S	.8	.5	7.8	7.8
Other fuel	21.8	20.7	S	.7	S	29.6
Less than 400	21.1	20.6	V	.6	S	30.5
400 or more	.6	S	S	S	V	49.7
Not available	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
REFUELING LOCATION						
Gas station	897.7	850.6	20.1	9.9	17.1	1.7
Truck stop	25.9	8.9	S	.8	13.1	18.2
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	77.4	37.8	11.9	8.7	19.0	11.9
Other company's/contractor's facility not open to the public	7.4	S	.5	V	.7	48.8
Other	S	S	V	V	V	S
Not reported	45.8	42.4	.7	1.3	1.4	19.8
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
MAINTENANCE⁵						
General maintenance performed by:						
None performed	37.7	35.3	.7	1.0	.6	22.0
Company-owned maintenance facility	94.9	57.8	12.4	5.4	19.3	11.6
General repair business or private mechanic	397.3	365.3	14.3	4.1	13.5	5.4
Dealership service department	223.4	213.9	S	S	5.1	8.2
Leasing company	S	S	S	V	.7	S
Individual not employed/paid by any maintenance type facility	451.5	409.7	11.5	9.4	20.9	4.8
Other	V	V	V	V	V	N
Not reported	42.9	40.3	S	1.0	1.1	20.7
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
Extensive repairs performed by:						
None performed	828.2	742.0	30.5	17.1	38.5	2.3
Company-owned maintenance facility	26.7	20.6	.8	.6	4.7	24.0
General repair business or private mechanic	51.9	45.6	1.6	.7	4.0	18.1
Dealership service department	54.3	49.1	S	S	2.2	18.3
Leasing company	S	S	V	V	.1	S
Component distributorship (engine, transmission, body, etc.)	S	S	S	S	.4	S
Individual not employed/paid by any repair type facility	51.1	48.4	.5	.6	1.7	18.9
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	22.8	19.3	.7	1.1	1.6	27.2
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	1 034.4	961.2	25.8	20.5	26.9	.8
2 axles	1 021.0	961.0	25.5	20.0	14.6	.8
3 axles	11.6	S	S	.3	11.0	5.7
4 axles	1.0	V	V	V	1.0	18.6
5 axles or more	.3	V	V	V	.3	37.1
Not reported	.5	S	S	S	S	43.1
Combinations	44.7	S	11.3	1.3	25.9	13.2
Single-unit trucks with trailer	21.7	S	11.3	1.2	3.0	27.1
3 axles	S	S	S	S	S	S
4 axles	14.2	S	9.2	1.0	1.9	33.0
5 axles or more	1.0	V	V	V	1.0	21.9
Not reported	V	V	V	V	V	N
Truck-tractors with single trailer	22.2	V	V	S	22.1	3.3
3 axles	2.1	V	V	S	2.1	21.0
4 axles	2.2	V	V	S	2.1	18.5
5 axles or more	16.9	V	V	V	16.9	3.0
Not reported	1.0	V	V	V	1.0	21.9
Truck-tractors with double trailers	.8	V	V	V	.8	33.8
5 axles	.5	V	V	V	.5	47.0
6 axles	.2	V	V	V	.2	40.1
7 axles	S	V	V	V	S	S
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Driving axles:						
1	656.9	583.1	30.7	20.7	22.4	3.3
2	421.9	384.2	6.4	1.1	30.2	5.2
3 or more	S	V	V	V	S	S
Not reported .....	.3	V	S	S	.1	37.1
Total liftable axles and locations ¹² :						
None	106.7	13.1	21.8	21.5	50.2	.9
1	2.7	S	S	S	2.2	17.2
Forward of the drive axle	1.7	S	S	S	1.3	22.2
Below the chassis .....	.5	V	V	V	.5	40.7
Beyond the chassis	S	V	V	V	S	S
Not reported .....	.4	V	S	S	S	45.7
2 or more .....	.3	V	V	V	.3	37.1
Forward of the drive axle .....	.3	V	V	V	.3	37.1
Below the chassis	V	V	V	V	V	N
Beyond the chassis	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not reported .....	.3	V	S	S	.1	37.1
Not applicable ¹⁰	969.1	954.1	15.0	V	V	.6
Total liftable axles and number of braking axles:						
None	106.7	13.1	21.8	21.5	50.2	.9
1	2.7	S	S	S	2.2	17.2
0 braking .....	.5	S	V	S	.1	45.9
1 braking	2.1	V	S	S	1.9	19.0
Not reported	S	V	V	V	S	S
2 or more .....	.3	V	V	V	.3	37.1
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking .....	.3	V	V	V	.3	37.1
Not reported	V	V	V	V	V	N
Not reported .....	.3	V	S	S	.1	37.1
Not applicable ¹⁰	969.1	954.1	15.0	V	V	.6
CAB TYPE						
Conventional cab	101.0	12.4	20.3	20.4	47.8	1.1
With sleeper	10.6	V	V	V	10.6	4.9
Without sleeper	89.9	12.4	20.3	20.4	36.8	1.4
Not reported .....	.4	V	V	V	.4	28.3
Cab over engine	8.6	.7	1.7	1.3	4.8	8.8
With sleeper	1.7	V	V	S	1.7	14.1
Without sleeper	6.9	.7	1.7	1.3	3.1	10.5
Not reported	V	V	V	V	V	N
Cab forward of engine	S	V	V	V	S	S
Cab beside engine	S	S	V	V	S	S
Not reported .....	.2	V	S	S	S	44.0
Not applicable ¹⁰	969.1	954.1	15.0	V	V	.6

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

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

²Vehicles not in use.

³Truck-tractors not in use.

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

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

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

⁷Distributed miles data are available in Table 8.

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

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

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

¹¹Data were derived from administrative records.

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

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

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

Table 5. Trucks by Truck Type: 2002

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
Total	1 079.1	1 034.4	44.7	21.7	22.2	.8	V	X
Coefficient of variation (percent) .....	.5	.8	13.2	27.1	3.3	33.8	N	X
BUSINESS¹								
For-hire transportation or warehousing	20.0	11.5	8.5	S	7.8	.7	V	18.1
Vehicle leasing or rental	8.8	8.4	.4	V	.4		V	46.4
Agriculture, forestry, fishing, or hunting	89.3	75.3	14.0	6.2	7.8		S	10.3
Mining	S	S	S	S	.4		V	S
Utilities	7.3	S	S	S	.1		V	41.4
Construction	56.9	51.0	5.9	S	2.4		V	16.0
Manufacturing	12.9	12.0	.9	S	.7		V	35.7
Wholesale trade	5.6	5.0	.6	S	.6		V	38.8
Retail trade	36.2	35.5	.7	S	.5		V	21.4
Information services .....	.8	.8	V	V	V		V	40.5
Waste management, landscaping, or administrative/support services	11.5	11.1	.4	S	.3		V	36.2
Arts, entertainment, or recreation services	S	S	S	V	S		V	S
Accommodation or food services	1.0	.8	S	V	S		V	34.1
Other services	23.0	22.8	S	V	S		V	27.8
Personal transportation	769.8	763.4	S	S	S		V	2.4
Not reported	7.2	6.3	.8	S	.7		V	41.8
Not applicable ²	22.8	22.8	V	V	V		V	27.2
BODY TYPE								
Single-unit trucks	1 055.4	1 033.7	21.7	21.7	N	N	N	.5
Pickup	562.3	547.5	14.8	14.8	N	N	N	1.2
Minivan	108.0	108.0	V	V	N	N	N	11.8
Other light vans	72.4	70.4	S	S	N	N	N	15.1
Sport utility	226.4	226.4	V	V	N	N	N	6.6
Armored	V	V	V	V	N	N	N	N
Beverage	S	S	V	V	N	N	N	S
Concrete mixer	1.0	1.0	V	V	N	N	N	22.3
Concrete pumper	S	S	V	V	N	N	N	S
Crane	S	S	V	V	N	N	N	S
Curtainside	S	S	V	V	N	N	N	S
Dump	16.8	14.9	1.9	1.9	N	N	N	7.4
Flatbed, stake, or platform	20.7	19.0	1.7	1.7	N	N	N	6.9
Low boy	S	V	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe	S	S	V	V	N	N	N	S
Service, utility	4.6	4.2	S	S	N	N	N	16.4
Service, other	3.2	3.2	V	V	N	N	N	19.9
Street sweeper	V	V	V	V	N	N	N	N
Tank, dry bulk .....	.7	.7	V	V	N	N	N	38.9
Tank, liquids or gases	3.5	3.1	.3	.3	N	N	N	17.2
Tow/Wrecker	2.0	1.8	S	S	N	N	N	24.0
Trash, garbage, or recycling	2.1	2.1	V	V	N	N	N	19.9
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	5.6	5.4	S	S	N	N	N	14.3
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated .....	.6	.6	V	V	N	N	N	47.0
Van, open top	18.0	17.8	S	S	N	N	N	7.4
Van, step, walk-in, or multistop	4.7	4.7	V	V	N	N	N	16.4
Van, other	1.5	1.5	V	V	N	N	N	29.8
Other	V	V	V	V	N	N	N	N
Truck-tractors	23.7	.7	23.0	N	22.2	.8	V	3.3
Automobile carrier	S	N	S	N	S	V	V	S
Beverage .....	.5	N	.5	N	.5	V	V	40.7
Curtainside	S	S	S	N	S	V	V	S
Dump	3.4	N	3.4	N	3.4	S	V	10.9
Flatbed, stake, or platform	3.5	N	3.5	N	3.5	V	V	12.3
Livestock	1.1	N	1.1	N	1.1	V	V	20.4
Low boy	1.4	N	1.4	N	1.4	V	V	15.9
Mobile home toter .....	.1	N	.1	N	.1	V	V	49.2
Open top	4.1	N	4.1	N	4.1	V	V	9.7
Pole, logging, pulpwood, or pipe	S	N	S	N	S	V	V	S
Tank, dry bulk .....	.6	N	.6	N	.6	V	V	25.3
Tank, liquids or gases .....	.9	N	.9	N	.9	V	V	19.8
Van, basic enclosed	4.7	N	4.7	N	4.0	.7	V	9.6
Van, drop-frame	S	N	S	N	S	V	V	S
Van, insulated nonrefrigerated	S	N	S	N	S	V	V	S
Van, insulated refrigerated	2.1	N	2.1	N	2.1	V	V	14.9
Other	S	N	S	N	S	V	V	S
Not applicable ³ .....	.7	.7	V	N	V	V	V	27.5
ANNUAL MILES								
Less than 5,000	238.4	224.6	13.8	8.0	5.7	S	V	7.4
5,000 to 9,999	229.2	225.9	3.3	1.1	2.2	V	V	8.1
10,000 to 19,999	423.2	411.6	11.7	9.6	2.1	V	V	5.2
20,000 to 29,999	98.8	95.1	S	S	1.0	S	V	13.3
30,000 to 49,999	47.8	45.5	2.3	S	2.2	S	V	18.9
50,000 to 74,999	9.0	S	2.3	S	1.9	S	V	39.8
75,000 or more	9.9	S	7.6	S	7.1	.3	V	20.9
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
PRIMARY RANGE OF OPERATION								
Off-the-road	27.3	24.0	S	S	.8	V	V	23.9
50 miles or less	766.9	743.8	23.1	13.9	9.2	S	V	2.7
51 to 100 miles	89.8	84.2	5.5	S	2.6	S	V	13.8
101 to 200 miles	35.2	30.8	4.4	S	3.2	V	V	22.4
201 to 500 miles	13.6	11.3	2.4	V	2.1	.3	V	33.7
501 miles or more	21.0	16.9	4.1	S	3.9	S	V	27.8
Not reported	102.5	100.6	1.9	S	1.5	S	V	12.9
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
PRIMARY JURISDICTION								
Operated in Canada	V	V	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	V	V	N
Operated within the home base state	942.2	907.1	35.1	19.4	15.3	S	V	1.6
Operated in states other than the home base state	18.2	10.1	8.1	S	5.5	S	V	25.6
Not reported	95.8	94.3	1.5	.1	1.3	S	V	13.3
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
MONTHS OPERATED								
12	756.8	733.7	23.1	11.4	11.1	.6	V	2.7
7 to 11	115.2	107.3	7.9	S	4.5	S	V	11.8
2 to 6	120.7	111.9	8.7	S	4.1	S	V	11.2
1 or less	63.7	58.7	4.9	S	2.4	S	V	14.3
Vehicle not used	22.8	22.8	V	V	V	V	V	27.2
VEHICLE SIZE								
Light	967.3	961.2	S	S	V	V	V	.8
Medium	37.1	25.8	11.3	11.3	V	V	V	15.3
Light-heavy	21.8	20.5	1.3	1.2	S	V	V	6.7
Heavy-heavy	52.8	26.9	25.9	3.0	22.1	.8	V	2.8
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	705.4	701.3	S	S	V	V	V	2.9
6,001 to 8,500	211.6	209.5	S	S	V	V	V	8.7
8,501 to 10,000	50.4	50.4	V	V	V	V	V	18.4
10,001 to 14,000	26.6	15.6	11.0	11.0	V	V	V	21.0
14,001 to 16,000	5.1	4.8	S	S	V	V	V	15.8
16,001 to 19,500	5.5	5.5	V	V	V	V	V	15.2
19,501 to 26,000	21.8	20.5	1.3	1.2	S	V	V	6.7
26,001 to 33,000	9.8	8.3	1.5	1.0	.5	V	V	10.7
33,001 to 40,000	6.8	5.3	1.4	1.0	.4	V	V	12.4
40,001 to 50,000	8.6	5.7	2.9	S	2.7	V	V	9.1
50,001 to 60,000	9.7	6.9	2.8	.4	2.4	S	V	6.4
60,001 to 80,000	14.8	.6	14.3	.3	13.3	.7	V	4.1
80,001 to 100,000	3.0	S	2.9	.2	2.7	S	V	11.0
100,001 to 130,000	S	V	S	V	S	V	V	S
130,001 or more	V	V	V	V	V	V	V	N
TOTAL LENGTH (FEET)								
Less than 20.0	863.9	863.9	V	V	V	V	V	1.8
20.0 to 27.9	102.4	100.0	S	S	V	V	V	10.8
28.0 to 35.9	77.3	67.7	9.6	9.1	.5	V	V	14.1
36.0 to 40.9	11.4	1.7	9.7	8.0	1.7	V	V	32.2
41.0 to 44.9	2.0	S	1.7	.5	1.2	V	V	20.5
45.0 to 49.9	1.9	.5	1.4	S	1.1	V	V	20.2
50.0 to 54.9	3.0	S	2.8	.7	2.1	S	V	13.8
55.0 to 59.9	4.5	V	4.5	S	4.1	V	V	10.5
60.0 to 64.9	4.8	V	4.8	S	4.7	V	V	8.7
65.0 to 69.9	4.5	V	4.5	S	4.2	S	V	9.3
70.0 to 74.9	2.6	V	2.6	V	2.0	.6	V	14.6
75.0 to 79.9 .....	.6	V	.6	S	.5	V	V	24.4
80.0 or more .....	.2	V	.2	V	.1	S	V	44.0
MILES PER GALLON								
Less than 5	16.8	11.8	5.0	.6	4.4	S	V	13.9
5 to 6.9	39.5	25.9	13.6	1.3	12.2	S	V	9.8
7 to 8.9	37.1	33.7	3.5	.7	2.2	.6	V	17.8
9 to 10.9	86.2	76.7	9.5	8.8	.7	V	V	13.5
11 to 12.9	91.1	86.1	S	S	S	V	V	13.9
13 to 14.9	72.7	72.4	S	S	S	V	V	15.9
15 or more	556.0	551.9	S	S	S	V	V	4.0
15 to 20.9	427.4	425.2	S	S	S	V	V	5.2
21 to 24.9	95.9	93.9	S	S	S	V	V	13.8
25 or more	32.7	32.7	V	V	V	V	V	24.6
Not reported	156.7	153.2	3.5	1.3	2.1	S	V	10.1
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
MODEL YEAR								
2003	S	V	S	V	S	V	V	S
2002	81.3	78.4	S	S	.7	S	V	15.1
2001	62.4	59.3	S	S	.7	V	V	17.2
2000	65.6	63.6	2.0	S	1.7	S	V	16.6
1999	77.9	73.8	S	S	1.5	S	V	15.1
1998	70.8	69.5	1.3	V	1.3	V	V	16.0
1997	71.0	69.2	1.8	S	1.4	V	V	15.8
1996	68.6	66.9	1.7	S	1.4	S	V	16.1
1995	51.6	48.0	S	S	1.1	S	V	18.7
1994	51.6	50.4	1.3	S	1.1	S	V	18.7
1993	52.6	51.1	1.5	.5	.9	S	V	18.7
Pre-1993	425.6	404.3	21.4	11.0	10.3	S	V	5.0
VEHICLE ACQUISITION								
New	346.5	328.4	18.2	11.6	6.0	.6	V	6.0
Used	683.3	658.0	25.3	10.1	15.1	2	V	3.2
Not reported	49.3	48.1	1.2	S	1.1	V	V	19.1
LEASE CHARACTERISTICS								
Leased	36.9	32.7	4.2	S	3.8	S	V	20.5
Lessee	29.8	26.3	3.5	S	3.3	S	V	22.6
Vehicle only	5.9	3.9	2.1	S	2.0	S	V	12.3
Vehicle with driver	1.3	V	1.3	V	1.3	V	V	16.0
Not reported	S	V	S	S	V	V	V	S
Not applicable ⁴	22.5	22.5	V	V	V	V	V	29.9
Lessor	S	S	.6	S	.4	V	V	S
Vehicle only	.8	S	.5	S	.4	V	V	31.1
Vehicle with driver	S	S	S	V	S	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
Not leased	654.7	631.5	23.2	9.5	13.0	.7	V	3.4
Not reported	387.5	370.2	17.3	11.9	5.4	V	V	5.6
Length of leasing agreement:								
Leased	36.9	32.7	4.2	S	3.8	S	V	20.5
1 to 11 months	.2	S	.1	V	.1	V	V	44.0
12 months or more	7.9	4.0	3.9	S	3.6	S	V	9.8
Not reported	S	S	S	V	S	V	V	S
Not applicable ⁴	28.6	28.6	V	V	V	V	V	26.4
Provisions of lease ⁵ :								
Financing only	4.3	3.2	1.1	S	.9	S	V	15.2
Full maintenance	1.6	.6	1.0	V	1.0	V	V	21.1
Payment of taxes	2.6	.7	1.8	S	1.8	V	V	14.7
Obtaining licenses and permits	3.4	.6	2.8	V	2.8	V	V	11.5
Recordkeeping	2.2	.6	1.5	V	1.5	V	V	16.6
Fuel contract	.7	S	.4	V	.4	V	V	29.5
PRIMARY OPERATOR CLASSIFICATION								
Private	253.8	226.4	27.4	15.2	12.2	S	V	6.7
Motor carrier	15.7	8.4	7.3	S	6.5	V	V	14.1
Owner operator	8.1	S	3.2	S	3.0	S	V	35.1
Rental	8.8	8.4	.4	V	.4	V	V	46.3
Personal transportation	769.8	763.4	S	S	S	V	V	2.4
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
For-hire characteristics:								
Type of carrier:								
Contract	6.4	1.7	4.7	V	4.6	S	V	8.8
Common	8.6	3.5	5.1	S	4.5	S	V	8.6
Not reported	2.8	2.2	.7	S	.5	S	V	17.8
Not applicable ⁶	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
Type of service:								
Truckload	11.0	3.0	8.0	S	7.9	S	V	5.9
Less-than truckload	4.0	2.3	1.8	V	1.1	V	V	15.7
Not reported	2.8	2.1	.7	S	.5	S	V	17.8
Not applicable ⁶	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
Source of hauls:								
Shippers or receivers	11.6	3.7	7.9	S	7.2	.7	V	6.9
Brokers	.7	S	.6	V	.6	V	V	22.3
Centralized markets or exchanges	.5	S	.1	V	.1	V	V	40.7
Other	V	V	V	V	V	V	V	N
Not reported	5.0	3.2	1.8	S	1.6	S	V	12.2
Not applicable ⁶	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	5.4	2.7	2.7	S	1.9	.6	V	12.9
Not carrying hazardous materials	87.7	65.5	22.2	4.3	17.8	.1	V	1.7
Not reported	11.3	9.0	2.3	S	2.1	V	V	9.2
Not applicable ⁸	974.6	957.2	17.4	17.0	.4	V	V	.6
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	1.7	1.6	S	S	V	V	V	27.5
Air bag(s) (safety device only)	540.8	530.9	10.0	8.3	1.7	V	V	4.0
Air compressor (except air brakes)	4.0	2.2	1.7	S	1.3	V	V	14.5
Air-conditioning	852.3	815.4	36.8	19.2	16.9	.7	V	2.0
Air springs	10.4	1.7	8.7	.5	8.2	S	V	5.6

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	562.6	548.7	13.9	7.5	6.2	S	V	3.9
Collision warning system	S	V	S	S	S	V	V	S
Computerized drive train control unit	126.5	123.0	S	S	1.4	V	V	11.8
Crane	2.5	2.1	S	S	V	V	V	20.4
Electronic vehicle identification device	.5	V	.5	V	.4	S	V	27.1
Engine retarder/brake	12.1	2.1	10.0	.3	9.8	S	V	4.4
Front-wheel drive	387.5	385.3	S	S	V	V	V	5.6
Hoist	34.1	32.5	1.6	1.6	V	V	V	4.8
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	.7	1.1	S	1.1	V	V	19.6
Internet access	.1	V	.1	V	.1	V	V	49.2
Lift gate	4.4	4.4	V	V	V	V	V	15.7
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	S	S	S	V	S	V	V	S
Power take-off	41.7	34.4	7.3	2.3	5.0	V	V	4.0
Radial tires	727.2	696.2	30.9	13.7	16.6	.6	V	2.9
Reflective material in addition to those required by law	8.4	5.5	2.9	.7	2.2	S	V	9.9
Road speed governor	21.2	10.0	11.3	1.5	9.1	.7	V	5.6
Toolbox	144.6	129.7	14.9	10.6	4.3	S	V	10.0
Trip recorder or on-board computer with communication capabilities	41.1	38.1	S	S	.9	V	V	21.1
Trip recorder or on-board computer without communication capabilities	168.9	164.0	S	S	.8	S	V	9.9
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	15.4	14.7	.6	S	.4	V	V	30.5
Transmission type:								
Automatic	807.8	800.2	7.6	7.2	.4	V	V	2.1
Manual	242.4	206.7	35.7	14.3	20.5	.8	V	6.5
Semiautomated manual	.5	S	S	V	S	V	V	45.9
Automated manual	.1	S	S	V	V	V	V	49.2
Not reported	28.3	27.1	1.2	S	1.0	V	V	24.2
Braking system:								
Hydraulic (standard)	36.7	34.5	2.2	1.8	S	V	V	4.5
Hydraulic with power assist	26.9	26.1	.8	.8	V	V	V	5.8
Air	40.7	16.8	24.0	2.1	21.1	.8	V	2.8
Other	V	V	V	V	V	V	V	N
Not reported	5.6	4.7	.9	S	.7	V	V	13.8
Not applicable ¹⁰	969.1	952.3	16.8	16.8	V	V	V	.6
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	929.1	916.4	12.6	12.5	S	V	V	1.5
Diesel	105.3	73.3	32.0	9.2	22.0	.8	V	9.4
Natural gas	V	V	V	V	V	V	V	N
Propane	1.2	1.2	V	V	V	V	V	34.0
Alcohol fuels	S	S	V	V	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	18.6	18.6	V	V	V	V	V	32.8
Other	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
Cylinders¹¹:								
4 cylinders	96.3	96.3	S	S	V	V	V	13.8
6 cylinders	413.6	390.6	23.0	2.3	19.9	.7	V	5.0
8 cylinders	523.0	505.4	17.6	17.0	.6	V	V	4.1
Other	46.2	42.1	S	S	1.7	S	V	12.2
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	929.1	916.4	12.6	12.5	S	V	V	1.5
200 to 299	182.3	182.3	V	V	V	V	V	9.6
300 to 349	284.9	284.9	V	V	V	V	V	6.8
350 to 399	187.8	185.8	S	S	V	V	V	9.4
400 or more	182.5	179.8	S	S	V	V	V	9.3
Not available	47.9	40.2	7.7	7.7	V	V	V	19.0
Diesel fuel								
Less than 400	43.8	43.5	S	S	S	V	V	13.0
400 to 599	105.3	73.3	32.0	9.2	22.0	.8	V	9.4
600 to 799	22.7	21.8	.8	.7	.1	V	V	26.0
800 or more	50.1	40.5	9.6	7.4	2.2	V	V	16.4
Not available	10.3	3.8	6.4	.1	5.8	.5	V	6.5
Other fuel	13.0	1.8	11.1	.7	10.2	S	V	4.6
Not available	9.3	5.3	4.0	S	3.6	S	V	7.8
Other fuel	21.8	21.8	V	V	V	V	V	29.6
Less than 400	21.1	21.1	V	V	V	V	V	30.5
400 or more	.6	.6	V	V	V	V	V	49.7
Not available	S	S	V	V	V	V	V	S
Not reported	S	V	S	V	S	V	V	S
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
REFUELING LOCATION								
Gas station	897.7	878.3	19.4	13.7	5.6	S	V	1.7
Truck stop	25.9	13.2	12.7	S	9.8	S	V	18.2
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	77.4	66.0	11.4	S	5.7	.5	V	11.9
Other company's/contractor's facility not open to the public	7.4	S	.4	V	.4	V	V	48.8
Other	S	S	V	V	V	V	V	S
Not reported	45.8	45.0	.8	S	.7	V	V	19.8
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
MAINTENANCE⁵								
General maintenance performed by:								
None performed	37.7	35.2	S	S	.2	V	V	22.0
Company-owned maintenance facility	94.9	78.5	16.5	S	9.9	.6	V	11.6
General repair business or private mechanic	397.3	382.7	14.6	7.7	6.5	.5	V	5.4
Dealership service department	223.4	215.7	7.7	S	3.0	S	V	8.2
Leasing company	S	S	.6	V	.6	V	V	S
Individual not employed/paid by any maintenance type facility	451.5	440.3	11.2	S	7.0	S	V	4.8
Other	V	V	V	V	V	V	V	N
Not reported	42.9	42.3	.6	V	.6	V	V	20.7
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
Extensive repairs performed by:								
None performed	828.2	794.8	33.4	16.6	16.2	.6	V	2.3
Company-owned maintenance facility	26.7	24.6	2.2	S	1.9	V	V	24.0
General repair business or private mechanic	51.9	47.8	S	S	1.6	S	V	18.1
Dealership service department	54.3	50.8	S	S	.8	S	V	18.3
Leasing company	S	S	.1	V	.1	V	V	S
Component distributorship (engine, transmission, body, etc.)	S	S	.4	S	.3	V	V	S
Individual not employed/paid by any repair type facility	51.1	50.3	.9	S	.8	V	V	18.9
Other	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable ²	22.8	22.8	V	V	V	V	V	27.2
AXLE ARRANGEMENT								
Driving axles:								
1	656.9	634.1	22.8	17.7	4.5	.5	V	3.3
2	421.9	400.1	21.8	S	17.6	.3	V	5.2
3 or more	S	S	S	V	S	V	V	S
Not reported	.3	.2	S	V	S	V	V	37.1
Total liftable axles and locations ¹² :								
None	106.7	79.2	27.6	4.8	22.0	.8	V	.9
1	2.7	2.5	.3	.1	S	V	V	17.2
Forward of the drive axle	1.7	1.6	.1	S	S	V	V	22.2
Below the chassis	.5	.5	S	S	V	V	V	40.7
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	.4	S	S	V	S	V	V	45.7
2 or more	.3	.3	V	V	V	V	V	37.1
Forward of the drive axle	.3	.3	V	V	V	V	V	37.1
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not reported	.3	.2	S	V	S	V	V	37.1
Not applicable ¹⁰	969.1	952.3	16.8	16.8	V	V	V	.6
Total liftable axles and number of braking axles:								
None	106.7	79.2	27.6	4.8	22.0	.8	V	.9
1	2.7	2.5	.3	.1	S	V	V	17.2
0 braking	.5	.5	V	V	V	V	V	45.9
1 braking	2.1	1.8	.3	.1	S	V	V	19.0
Not reported	S	S	V	V	V	V	V	S
2 or more	.3	.3	V	V	V	V	V	37.1
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	.3	.3	V	V	V	V	V	37.1
Not reported	V	V	V	V	V	V	V	N
Not reported	.3	.2	S	V	S	V	V	37.1
Not applicable ¹⁰	969.1	952.3	16.8	16.8	V	V	V	.6
CAB TYPE								
Conventional cab	101.0	75.4	25.5	4.9	19.9	.7	V	1.1
With sleeper	10.6	S	10.6	V	10.6	S	V	4.9
Without sleeper	89.9	75.4	14.5	4.9	8.9	.7	V	1.4
Not reported	.4	V	.4	V	.4	V	V	28.3
Cab over engine	8.6	6.2	2.3	S	2.3	S	V	8.8
With sleeper	1.7	S	1.6	V	1.6	S	V	14.1
Without sleeper	6.9	6.1	.7	S	.7	V	V	10.5
Not reported	V	V	V	V	V	V	V	N
Cab forward of engine	S	S	V	V	V	V	V	S
Cab beside engine	S	S	V	V	V	V	V	S
Not reported	.2	.2	V	V	V	V	V	44.0
Not applicable ¹⁰	969.1	952.3	16.8	16.8	V	V	V	.6

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

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

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

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

Table 6. Truck Miles by Vehicle Size: 2002

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
Total	13 236.6	11 387.9	323.2	121.1	1 404.3	X
Coefficient of variation (percent)	3.3	3.8	20.6	14.7	4.9	X
BUSINESS¹						
For-hire transportation or warehousing	1 005.3	S	34.8	41.5	781.9	10.7
Vehicle leasing or rental	137.6	S	S	V	24.9	46.4
Agriculture, forestry, fishing, or hunting	711.6	459.1	46.3	23.8	182.4	19.2
Mining	S	S	S	S	22.6	S
Utilities	97.6	S	S	S	20.5	42.6
Construction	698.7	491.8	S	14.1	126.2	19.2
Manufacturing	204.7	142.7	S	S	50.0	35.4
Wholesale trade	112.9	S	17.6	S	37.3	35.5
Retail trade	830.9	750.2	24.4	13.0	43.3	25.2
Information services	S	S	S	V	S	S
Waste management, landscaping, or administrative/support services	61.9	S	S	S	36.6	22.6
Arts, entertainment, or recreation services	S	V	S	V	S	S
Accommodation or food services	38.5	S	S	S	S	48.5
Other services	429.4	397.3	26.1	S	S	37.1
Personal transportation	8 615.1	8 592.6	S	S	S	4.6
Not reported	108.9	S	S	S	51.3	35.7
Not applicable ²	S	S	S	S	S	S
BODY TYPE						
Single-unit trucks	12 067.3	11 387.9	323.2	120.1	236.0	3.5
Pickup	5 991.1	5 852.0	139.0	V	V	5.5
Minivan	1 322.6	1 322.6	V	V	V	14.7
Other light vans	947.2	947.2	V	V	V	24.3
Sport utility	3 123.8	3 123.8	V	V	V	8.6
Armored	V	V	V	V	V	N
Beverage	S	V	S	S	S	S
Concrete mixer	5.4	V	V	V	5.4	27.1
Concrete pumper	S	V	V	V	S	S
Crane	S	V	S	V	S	S
Curtainside	S	V	V	S	V	S
Dump	97.9	.6	4.3	10.8	82.2	17.1
Flatbed, stake, or platform	115.5	43.4	40.9	15.3	15.9	13.0
Low boy	S	V	V	V	S	S
Pole, logging, pulpwood, or pipe	S	V	V	V	V	S
Service, utility	54.6	12.9	24.2	S	14.7	19.6
Service, other	45.3	17.5	18.0	S	5.4	24.2
Street sweeper	V	V	V	V	V	N
Tank, dry bulk	1.0	V	S	S	S	40.6
Tank, liquids or gases	43.7	S	S	9.6	30.9	23.1
Tow/Wrecker	46.0	S	S	S	S	39.8
Trash, garbage, or recycling	35.2	V	V	S	32.4	20.7
Vacuum	S	V	V	V	S	S
Van, basic enclosed	74.3	18.6	24.5	25.2	6.1	18.8
Van, insulated nonrefrigerated	S	V	S	V	V	S
Van, insulated refrigerated	S	S	S	S	V	S
Van, open top	25.3	S	2.7	6.4	15.7	12.9
Van, step, walk-in, or multistop	93.8	40.1	39.8	S	S	22.6
Van, other	23.0	7.5	V	S	S	40.8
Other	V	V	V	V	V	N
Truck-tractors	1 169.2	V	V	S	1 168.2	5.6
Automobile carrier	S	V	V	V	S	S
Beverage	6.8	V	V	V	6.8	40.9
Curtainside	S	V	V	V	S	S
Dump	106.7	V	V	V	106.7	16.0
Flatbed, stake, or platform	139.8	V	V	S	139.5	15.5
Livestock	45.9	V	V	V	45.9	25.7
Low boy	23.2	V	V	V	23.2	23.5
Mobile home toter	S	V	V	V	S	S
Open top	113.1	V	V	V	113.1	16.0
Pole, logging, pulpwood, or pipe	S	V	V	V	S	S
Tank, dry bulk	45.7	V	V	V	45.7	29.5
Tank, liquids or gases	65.2	V	V	V	65.2	22.4
Van, basic enclosed	322.2	V	V	S	321.6	12.1
Van, drop-frame	S	V	V	V	S	S
Van, insulated nonrefrigerated	S	V	V	V	S	S
Van, insulated refrigerated	271.2	V	V	V	271.2	18.3
Other	S	V	V	V	S	S
Not applicable ³	V	V	V	V	V	N
ANNUAL MILES						
Less than 5,000	409.0	349.4	13.7	15.6	30.4	10.2
5,000 to 9,999	1 613.4	1 526.1	S	15.3	33.9	8.4
10,000 to 19,999	5 657.1	5 411.1	123.3	27.6	95.1	5.3
20,000 to 29,999	2 214.3	2 043.2	88.4	23.3	59.5	13.3
30,000 to 49,999	1 714.9	1 499.8	41.0	36.9	137.2	19.0
50,000 to 74,999	532.3	S	S	S	152.0	39.8
75,000 or more	1 059.0	S	V	V	895.8	15.7
Not applicable ²	S	S	S	S	S	S
PRIMARY RANGE OF OPERATION						
Off-the-road	457.4	402.0	S	S	18.1	41.9
50 miles or less	8 273.8	7 756.0	155.9	78.0	283.8	4.5
51 to 100 miles	1 385.2	1 140.8	78.8	17.4	148.2	16.4
101 to 200 miles	702.9	498.6	S	9.7	169.1	22.6
201 to 500 miles	306.5	80.9	S	S	212.8	16.1
501 miles or more	677.5	203.3	S	V	472.0	15.2
Not reported	1 396.8	1 270.4	17.1	9.4	99.9	17.3
Not applicable ²	S	S	S	S	S	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Vehicle size				Coefficient of variation of total (percent)	
	Total	Light	Medium	Light-heavy		Heavy-heavy
PRIMARY JURISDICTION						
Operated in Canada	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	N
Operated within the home base state	11 386.6	10 302.1	270.5	108.9	705.0	3.7
Operated in states other than the home base state	728.8	S	S	S	632.0	9.8
Not reported	1 084.7	989.7	20.2	S	66.9	19.6
Not applicable ²	S	S	S	S	S	S
MONTHS OPERATED						
12	10 504.0	9 247.3	216.8	82.9	957.0	4.0
7 to 11	1 600.9	1 200.1	50.5	25.4	324.9	14.8
2 to 6	987.6	819.3	S	8.6	110.8	21.1
1 or less	107.5	S	S	4.1	11.2	40.0
Vehicle not used	S	S	S	S	S	S
AVERAGE WEIGHT (POUNDS)						
Less than 6,001	8 075.4	8 075.4	N	N	N	5.2
6,001 to 8,500	2 572.0	2 572.0	N	N	N	10.7
8,501 to 10,000	740.5	740.5	N	N	N	28.3
10,001 to 14,000	250.6	N	250.6	N	N	26.0
14,001 to 16,000	34.3	N	34.3	N	N	29.2
16,001 to 19,500	38.3	N	38.3	N	N	28.8
19,501 to 26,000	121.1	N	N	121.1	N	14.7
26,001 to 33,000	66.6	N	N	N	66.6	25.2
33,001 to 40,000	45.1	N	N	N	45.1	34.0
40,001 to 50,000	99.1	N	N	N	99.1	20.5
50,001 to 60,000	164.0	N	N	N	164.0	23.0
60,001 to 80,000	867.4	N	N	N	867.4	6.1
80,001 to 100,000	157.8	N	N	N	157.8	13.9
100,001 to 130,000	S	N	N	N	S	S
130,001 or more	V	N	N	N	V	N
TOTAL LENGTH (FEET)						
Less than 20.0	10 094.9	9 986.6	65.9	19.6	22.7	4.1
20.0 to 27.9	942.8	686.9	103.2	62.7	90.0	17.0
28.0 to 35.9	894.4	713.3	78.1	28.4	74.5	21.6
36.0 to 40.9	134.9	S	S	S	57.4	37.5
41.0 to 44.9	37.0	V	V	S	31.5	24.3
45.0 to 49.9	33.9	V	S	S	31.2	29.9
50.0 to 54.9	68.3	V	V	S	68.2	26.7
55.0 to 59.9	119.3	V	V	S	118.0	14.5
60.0 to 64.9	249.9	V	V	S	249.5	11.5
65.0 to 69.9	383.7	V	V	V	383.7	12.6
70.0 to 74.9	219.1	V	V	V	219.1	16.4
75.0 to 79.9	54.9	V	V	V	54.9	28.3
80.0 or more	S	V	V	V	S	S
MILES PER GALLON						
Less than 5	294.9	S	S	9.6	272.4	9.5
5 to 6.9	947.1	S	24.4	31.5	828.9	6.8
7 to 8.9	334.1	102.4	43.6	29.4	158.6	18.7
9 to 10.9	881.3	748.5	103.0	19.1	10.7	25.1
11 to 12.9	896.7	819.8	S	9.5	S	18.6
13 to 14.9	840.1	830.8	S	S	S	19.0
15 or more	7 426.3	7 371.9	S	S	S	5.8
15 to 20.9	5 884.6	5 830.2	S	S	S	7.1
21 to 24.9	1 170.8	1 170.8	V	V	V	17.0
25 or more	370.9	370.9	V	V	V	28.4
Not reported	1 579.5	1 413.4	18.0	21.4	126.7	12.2
Not applicable ²	S	S	S	S	S	S
MODEL YEAR						
2003	S	V	V	V	S	S
2002	1 454.3	1 327.4	S	S	82.8	18.1
2001	1 140.2	1 040.7	12.9	S	86.2	19.1
2000	1 014.0	773.8	28.5	S	194.7	15.5
1999	1 372.8	1 111.3	S	S	176.1	15.8
1998	1 077.5	925.4	S	S	118.3	17.4
1997	1 108.9	955.4	21.0	S	118.2	15.7
1996	1 138.5	994.3	S	S	121.1	17.4
1995	625.1	487.3	S	S	107.2	19.9
1994	794.7	694.2	8.9	S	78.1	24.9
1993	740.1	675.9	S	V	59.2	21.9
Pre-1993	2 770.4	2 402.2	59.9	46.2	262.2	8.6
VEHICLE ACQUISITION						
New	5 396.4	4 458.9	232.1	67.6	637.7	7.3
Used	7 211.5	6 418.9	86.4	51.5	654.6	5.6
Not reported	628.7	510.2	S	S	111.9	19.1
LEASE CHARACTERISTICS						
Leased	845.0	343.8	43.6	19.6	438.0	12.3
Lessee	704.6	262.2	43.6	14.8	384.1	13.1
Vehicle only	318.3	S	43.6	14.8	255.1	11.5
Vehicle with driver	127.3	V	V	V	127.3	17.0
Not reported	S	V	V	V	S	S
Not applicable ⁴	257.4	257.4	V	V	V	31.9
Lessor	81.2	S	V	S	48.5	40.2
Vehicle only	48.6	S	V	S	43.4	35.6
Vehicle with driver	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	S
Not reported	S	S	V	V	S	S
Not leased	8 083.3	7 106.6	199.4	77.2	700.1	5.4
Not reported	4 308.2	3 937.5	S	24.3	266.1	7.9

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	845.0	343.8	43.6	19.6	438.0	12.3
1 to 11 months	10.5	V	V	V	10.5	48.8
12 months or more	488.2	S	43.6	18.3	421.2	9.1
Not reported	S	V	V	V	S	S
Not applicable ⁴	338.6	338.6	V	V	V	27.8
Provisions of lease ⁵ :						
Financing only	180.8	S	36.6	17.7	125.4	15.4
Full maintenance	103.7	S	S	S	94.6	19.6
Payment of taxes	201.4	S	S	S	189.5	13.8
Obtaining licenses and permits	299.7	S	S	S	290.7	11.0
Recordkeeping	183.2	S	S	S	173.9	14.9
Fuel contract	49.2	V	S	S	45.6	28.3
PRIMARY OPERATOR CLASSIFICATION						
Private	3 296.0	2 500.5	259.1	78.7	457.7	10.2
Motor carrier	837.6	S	37.2	41.6	656.0	12.2
Owner operator	313.8	S	S	S	265.1	14.2
Rental	137.6	S	S	V	24.9	46.4
Personal transportation	8 615.1	8 592.6	S	S	S	4.6
Not applicable ²	S	S	S	S	S	S
For-hire characteristics:						
Type of carrier:						
Contract	508.1	S	S	S	470.8	8.3
Common	442.9	S	S	24.4	404.9	9.8
Not reported	66.6	S	14.8	S	45.4	20.0
Not applicable ⁶	12 219.0	11 371.8	284.9	79.1	483.2	3.5
Type of service:						
Truckload	765.2	V	S	S	739.7	6.1
Less-than truckload	180.7	S	S	16.4	133.0	19.1
Not reported	71.6	S	S	S	48.4	20.6
Not applicable ⁶	12 219.0	11 371.8	284.9	79.1	483.2	3.5
Source of hauls:						
Shippers or receivers	755.0	S	23.3	24.3	691.2	7.1
Brokers	57.8	V	V	V	57.8	24.3
Centralized markets or exchanges	13.5	V	S	S	9.5	40.7
Other	V	V	V	V	V	N
Not reported	191.2	S	S	S	162.6	13.2
Not applicable ⁶	12 219.0	11 371.8	284.9	79.1	483.2	3.5
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	244.9	S	S	15.1	226.4	15.0
Not carrying hazardous materials	1 350.4	119.6	165.8	94.6	970.4	4.9
Not reported	225.5	18.9	13.7	11.0	181.9	12.6
Not applicable ⁸	11 415.7	11 246.8	143.0	S	25.5	3.7
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	12.3	S	S	S	S	37.3
Air bag(s) (safety device only)	7 977.7	7 724.4	108.2	S	135.1	5.5
Air compressor (except air brakes)	107.6	S	S	S	89.0	16.7
Air-conditioning	11 514.0	9 998.4	254.0	64.8	1 196.8	3.7
Air springs	595.5	S	S	S	592.5	7.5
Antilock brake system	8 346.3	7 563.5	167.7	32.5	582.5	5.1
Collision warning system	S	V	V	V	S	S
Computerized drive train control unit	1 688.0	1 529.9	S	S	122.1	13.0
Crane	31.9	S	S	S	23.2	23.3
Electronic vehicle identification device	41.3	V	V	V	41.3	32.0
Engine retarder/brake	780.6	S	S	S	774.3	6.0
Front-wheel drive	5 229.4	5 209.0	S	V	V	7.9
Hoist	100.3	2.6	13.3	13.4	71.0	9.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	90.8	S	S	S	76.6	19.8
Internet access	S	V	V	V	S	S
Lift gate	50.3	8.1	20.0	S	9.7	23.3
Mounting bar for snowplow	S	S	S	S	S	S
Navigational system	S	V	V	S	S	S
Power take-off	528.8	S	33.4	42.0	450.3	7.3
Radial tires	9 201.7	7 837.6	207.2	88.9	1 068.0	4.5
Reflective material in addition to those required by law	283.9	S	19.3	16.4	241.6	12.3
Road speed governor	788.6	16.5	36.9	40.1	695.1	7.0
Toolbox	1 908.1	1 395.3	147.9	29.4	335.5	13.6
Trip recorder or on-board computer with communication capabilities	713.4	532.1	S	16.0	111.1	20.8
Trip recorder or on-board computer without communication capabilities	2 178.6	2 070.8	S	S	78.5	11.5
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	221.9	134.5	S	S	52.6	31.3
Transmission type:						
Automatic	9 933.5	9 756.8	119.3	27.4	30.0	4.5
Manual	2 970.9	1 429.8	197.4	87.2	1 256.6	7.3
Semiautomated manual	S	S	V	V	S	S
Automated manual	S	V	V	V	S	S
Not reported	312.1	201.2	S	S	97.9	23.3
Braking system:						
Hydraulic (standard)	283.7	81.9	89.3	48.3	S	15.2
Hydraulic with power assist	197.1	48.2	79.4	46.6	22.9	11.7
Air	1 303.4	S	9.7	20.0	1 273.2	4.6
Other	V	V	V	V	V	N
Not reported	67.7	S	S	S	44.0	20.3
Not applicable ¹⁰	11 384.6	11 245.6	139.0	V	V	3.7

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	10 574.2	10 342.5	163.6	44.3	23.8	3.9
Diesel	2 270.0	667.6	152.3	70.2	1 379.9	9.1
Natural gas	V	V	V	V	V	N
Propane	S	S	S	S	S	S
Alcohol fuels	S	S	V	V	V	S
Electricity	V	V	V	V	V	N
Combination	322.2	320.1	S	V	V	39.5
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	S	S	S	S	S	S
Cylinders ¹¹ :						
4 cylinders	1 098.8	1 087.7	6.6	S	S	17.3
6 cylinders	6 212.0	4 793.3	32.0	49.2	1 337.5	5.7
8 cylinders	5 645.2	5 328.8	233.1	57.8	25.5	7.2
Other	280.5	178.1	S	13.1	37.9	34.5
Cubic inch displacement ¹¹ :						
Gasoline fuel	10 574.2	10 342.5	163.6	44.3	23.8	3.9
Less than 200	2 077.6	2 077.6	V	V	V	12.1
200 to 299	4 100.5	4 092.3	S	S	V	9.0
300 to 349	2 343.9	2 325.9	S	S	S	11.5
350 to 399	1 571.1	1 503.0	48.5	12.2	7.4	13.4
400 or more	372.9	269.2	S	S	7.9	26.7
Not available	108.2	S	7.4	18.0	8.4	38.0
Diesel fuel	2 270.0	667.6	152.3	70.2	1 379.9	9.1
Less than 400	427.2	363.0	40.1	11.7	12.4	39.8
400 to 599	624.0	304.4	111.3	55.6	152.6	17.5
600 to 799	440.5	V	S	S	438.6	9.6
800 or more	574.3	V	V	S	573.7	7.3
Not available	204.0	S	.6	S	202.6	12.6
Other fuel	355.7	342.0	S	S	S	36.2
Less than 400	344.4	341.1	V	S	S	37.4
400 or more	S	S	S	V	V	S
Not available	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Not applicable ²	S	S	S	S	S	S
REFUELING LOCATION						
Gas station	10 943.6	10 501.2	209.9	45.4	187.0	4.1
Truck stop	911.8	S	S	S	789.3	7.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	841.9	339.8	75.0	63.3	363.7	12.8
Other company's/contractor's facility not open to the public	S	S	S	V	25.5	S
Other	S	S	V	V	V	S
Not reported	418.5	375.9	S	1.2	38.3	22.9
Not applicable ²	S	S	S	S	S	S
MAINTENANCE⁵						
General maintenance performed by:						
None performed	290.5	289.6	S	.4	.5	45.0
Company-owned maintenance facility	1 864.3	874.5	111.9	68.9	809.1	10.8
General repair business or private mechanic	5 636.9	4 916.9	156.8	29.7	533.5	6.9
Dealership service department	3 424.3	3 079.8	55.5	S	284.8	9.1
Leasing company	95.5	S	S	V	69.5	31.8
Individual not employed/paid by any maintenance type facility	4 671.3	4 346.8	60.2	18.5	245.8	7.7
Other	V	V	V	V	V	N
Not reported	400.0	374.5	S	1.2	23.9	23.9
Not applicable ²	S	S	S	S	S	S
Extensive repairs performed by:						
None performed	10 208.7	8 981.1	256.0	91.2	880.5	4.4
Company-owned maintenance facility	511.8	290.1	5.2	S	205.6	24.7
General repair business or private mechanic	707.0	547.4	26.4	S	125.8	18.6
Dealership service department	830.2	662.4	S	S	135.6	18.8
Leasing company	S	S	V	V	S	S
Component distributorship (engine, transmission, body, etc.)	107.6	S	S	S	13.3	47.8
Individual not employed/paid by any repair type facility	500.4	462.4	S	S	35.4	25.8
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	S	S	S	S	S	S
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	11 860.5	11 359.7	200.9	111.4	188.5	3.6
2 axles	11 743.1	11 359.5	200.5	111.1	72.0	3.7
3 axles	93.8	S	S	S	93.0	9.2
4 axles	17.8	V	V	V	17.8	22.9
5 axles or more	5.6	V	V	V	5.6	42.9
Not reported	S	S	S	S	V	S
Combinations	1 376.1	S	122.4	9.7	1 215.8	6.8
Single-unit trucks with trailer	206.9	S	122.4	8.7	47.6	32.7
3 axles	S	S	S	S	S	S
4 axles	160.5	S	S	S	S	39.9
5 axles or more	20.0	V	V	S	20.0	32.0
Not reported	V	V	V	V	V	N
Truck-tractors with single trailer	1 101.5	V	V	S	1 100.5	5.5
3 axles	S	V	V	S	S	S
4 axles	S	V	V	S	S	S
5 axles or more	962.6	V	V	V	962.6	4.8
Not reported	41.7	V	V	V	41.7	25.8
Truck-tractors with double trailers	67.7	V	V	V	67.7	41.0
5 axles	S	V	V	V	S	S
6 axles	19.6	V	V	V	19.6	40.9
7 axles	S	V	V	V	S	S
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Combinations—Con.						
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Driving axles:						
1	6 815.1	6 161.4	278.3	114.8	260.6	5.7
2	6 418.3	5 226.6	44.9	6.3	1 140.6	6.5
3 or more	S	V	V	V	S	S
Not reported	S	V	S	S	S	S
Total liftable axles and locations ¹² :						
None	1 816.0	142.3	184.2	121.0	1 368.5	4.1
1	29.3	S	S	S	29.2	20.3
Forward of the drive axle	17.2	S	S	S	17.1	25.0
Below the chassis	7.9	V	V	V	7.9	44.9
Beyond the chassis	S	V	V	V	S	S
Not reported	S	S	S	S	S	S
2 or more	5.6	V	V	V	5.6	42.9
Forward of the drive axle	5.6	V	V	V	5.6	42.9
Below the chassis	V	V	V	V	V	N
Beyond the chassis	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not reported	S	V	S	S	S	S
Not applicable ¹⁰	11 384.6	11 245.6	139.0	V	V	3.7
Total liftable axles and number of braking axles:						
None	1 816.0	142.3	184.2	121.0	1 368.5	4.1
1	29.3	S	S	S	29.2	20.3
0 braking	S	S	S	S	S	S
1 braking	26.1	V	S	S	26.1	22.1
Not reported	S	V	V	V	S	S
2 or more	5.6	V	V	V	5.6	42.9
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking	5.6	V	V	V	5.6	42.9
Not reported	V	V	V	V	V	N
Not reported	S	V	S	S	S	S
Not applicable ¹⁰	11 384.6	11 245.6	139.0	V	V	3.7
CAB TYPE						
Conventional cab	1 759.7	135.2	160.9	109.7	1 353.8	4.2
With sleeper	800.6	V	V	V	800.6	7.1
Without sleeper	930.9	135.2	160.9	109.7	525.1	5.8
Not reported	28.2	V	V	V	28.2	35.1
Cab over engine	90.8	5.9	23.3	11.4	50.2	17.0
With sleeper	30.4	V	V	V	30.4	37.1
Without sleeper	60.3	5.9	23.3	11.4	19.7	17.5
Not reported	V	V	V	V	V	N
Cab forward of engine	S	V	V	V	S	S
Cab beside engine	S	S	V	V	S	S
Not reported	S	V	S	S	S	S
Not applicable ¹⁰	11 384.6	11 245.6	139.0	V	V	3.7

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

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

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

³Truck-tractors not in use.

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

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

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

⁷Distributed miles data are available in Table 8.

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

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

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

¹¹Data were derived from administrative records.

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

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

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

Table 7. Truck Miles by Truck Type: 2002

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
Total	13 236.6	11 860.5	1 376.1	206.9	1 101.5	67.7	V	X
Coefficient of variation (percent)	3.3	3.6	6.8	32.7	5.5	41.0	N	X
BUSINESS¹								
For-hire transportation or warehousing	1 005.3	252.9	752.4	S	686.6	64.4	V	10.7
Vehicle leasing or rental	137.6	S	23.9	V	23.9	V	V	46.4
Agriculture, forestry, fishing, or hunting	711.6	530.6	181.0	S	146.1	S	V	19.2
Mining	S	S	S	S	15.4	V	V	S
Utilities	97.6	S	S	S	S	V	V	42.6
Construction	698.7	570.7	128.1	S	59.1	V	V	19.2
Manufacturing	204.7	156.7	48.0	S	44.1	V	V	35.4
Wholesale trade	112.9	82.0	30.9	S	29.1	V	V	35.5
Retail trade	830.9	816.1	14.7	S	13.3	V	V	25.2
Information services	S	S	V	V	V	V	V	S
Waste management, landscaping, or administrative/support services	61.9	55.1	S	S	S	V	V	22.6
Arts, entertainment, or recreation services	S	S	S	V	S	V	V	S
Accommodation or food services	38.5	14.0	S	V	S	V	V	48.5
Other services	429.4	428.9	S	V	S	V	V	37.1
Personal transportation	8 615.1	8 592.8	S	S	S	V	V	4.6
Not reported	108.9	S	50.6	S	45.2	V	V	35.7
Not applicable ²	S	S	V	V	V	V	V	S
BODY TYPE								
Single-unit trucks	12 067.3	11 860.5	206.9	206.9	N	N	N	3.5
Pickup	5 991.1	5 846.4	144.7	144.7	N	N	N	5.5
Minivan	1 322.6	1 322.6	V	V	N	N	N	14.7
Other light vans	947.2	947.0	S	S	N	N	N	24.3
Sport utility	3 123.8	3 123.8	V	V	N	N	N	8.6
Armored	V	V	V	V	N	N	N	N
Beverage	S	S	V	V	N	N	N	S
Concrete mixer	5.4	5.4	V	V	N	N	N	27.1
Concrete pumper	S	S	V	V	N	N	N	S
Crane	S	S	V	V	N	N	N	S
Curtainside	S	S	V	V	N	N	N	S
Dump	97.9	56.6	41.3	41.3	N	N	N	17.1
Flatbed, stake, or platform	115.5	106.5	9.0	9.0	N	N	N	13.0
Low boy	S	V	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe	S	S	V	V	N	N	N	S
Service, utility	54.6	50.6	S	S	N	N	N	19.6
Service, other	45.3	45.3	V	V	N	N	N	24.2
Street sweeper	V	V	V	V	N	N	N	N
Tank, dry bulk	1.0	1.0	V	V	N	N	N	40.6
Tank, liquids or gases	43.7	39.2	S	S	N	N	N	23.1
Tow/Wrecker	46.0	46.0	S	S	N	N	N	39.8
Trash, garbage, or recycling	35.2	35.2	V	V	N	N	N	20.7
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	74.3	71.3	S	S	N	N	N	18.8
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated	S	S	V	V	N	N	N	S
Van, open top	25.3	25.3	S	S	N	N	N	12.9
Van, step, walk-in, or multistop	93.8	93.8	V	V	N	N	N	22.6
Van, other	23.0	23.0	V	V	N	N	N	40.8
Other	V	V	V	V	N	N	N	N
Truck-tractors	1 169.2	V	1 169.2	N	1 101.5	67.7	V	5.6
Automobile carrier	S	N	S	N	S	V	V	S
Beverage	6.8	N	6.8	N	6.8	V	V	40.9
Curtainside	S	N	S	N	S	V	V	S
Dump	106.7	N	106.7	N	103.4	S	V	16.0
Flatbed, stake, or platform	139.8	N	139.8	N	139.8	V	V	15.5
Livestock	45.9	N	45.9	N	45.9	V	V	25.7
Low boy	23.2	N	23.2	N	23.2	V	V	23.5
Mobile home toter	S	N	S	N	S	V	V	S
Open top	113.1	N	113.1	N	113.1	V	V	16.0
Pole, logging, pulpwood, or pipe	S	N	S	N	S	V	V	S
Tank, dry bulk	45.7	N	45.7	N	45.7	V	V	29.5
Tank, liquids or gases	65.2	N	65.2	N	65.2	V	V	22.4
Van, basic enclosed	322.2	N	322.2	N	257.8	64.4	V	12.1
Van, drop-frame	S	N	S	N	S	V	V	S
Van, insulated nonrefrigerated	S	N	S	N	S	V	V	S
Van, insulated refrigerated	271.2	N	271.2	N	271.2	V	V	18.3
Other	S	N	S	N	S	V	V	S
Not applicable ³	V	V	V	N	V	V	V	N
ANNUAL MILES								
Less than 5,000	409.0	393.9	15.1	5.1	10.0	S	V	10.2
5,000 to 9,999	1 613.4	1 591.1	22.3	8.2	14.1	V	V	8.4
10,000 to 19,999	5 657.1	5 514.6	142.5	113.8	28.7	V	V	5.3
20,000 to 29,999	2 214.3	2 135.8	S	S	23.8	V	V	13.3
30,000 to 49,999	1 714.9	1 624.8	90.1	S	87.5	S	V	19.0
50,000 to 74,999	532.3	S	145.1	S	117.5	S	V	39.8
75,000 or more	1 059.0	S	882.4	S	820.0	S	V	15.7
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
PRIMARY RANGE OF OPERATION								
Off-the-road	457.4	417.7	S	S	5.3	V	V	41.9
50 miles or less	8 273.8	8 019.8	254.0	116.9	137.1	S	V	4.5
51 to 100 miles	1 385.2	1 241.7	143.5	S	105.3	S	V	16.4
101 to 200 miles	702.9	521.3	181.7	S	157.2	V	V	22.6
201 to 500 miles	306.5	97.2	209.2	V	186.3	22.9	V	16.1
501 miles or more	677.5	220.0	457.5	S	431.3	S	V	15.2
Not reported	1 396.8	1 306.4	90.4	S	79.0	S	V	17.3
Not applicable ²	S	S	V	V	V	V	V	S
PRIMARY JURISDICTION								
Operated in Canada	V	V	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	V	V	N
Operated within the home base state	11 386.6	10 713.3	673.2	183.0	468.9	S	V	3.7
Operated in states other than the home base state	728.8	87.6	641.1	S	573.9	S	V	9.8
Not reported	1 084.7	1 022.9	61.8	S	58.6	S	V	19.6
Not applicable ²	S	S	V	V	V	V	V	S
MONTHS OPERATED								
12	10 504.0	9 551.6	952.5	140.6	767.8	44.0	V	4.0
7 to 11	1 600.9	1 295.9	304.9	S	249.9	S	V	14.8
2 to 6	987.6	874.5	113.1	S	78.5	S	V	21.1
1 or less	107.5	101.9	5.6	S	5.2	S	V	40.0
Vehicle not used	S	S	V	V	V	V	V	S
VEHICLE SIZE								
Light	11 387.9	11 359.7	S	S	V	V	V	3.8
Medium	323.2	200.9	122.4	122.4	V	V	V	20.6
Light-heavy	121.1	111.4	9.7	8.7	S	V	V	14.7
Heavy-heavy	1 404.3	188.5	1 215.8	47.6	1 100.5	67.7	V	4.9
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	8 075.4	8 074.4	S	S	V	V	V	5.2
6,001 to 8,500	2 572.0	2 544.8	S	S	V	V	V	10.7
8,501 to 10,000	740.5	740.5	V	V	V	V	V	28.3
10,001 to 14,000	250.6	129.1	121.5	121.5	V	V	V	26.0
14,001 to 16,000	34.3	33.5	S	S	V	V	V	29.2
16,001 to 19,500	38.3	38.3	V	V	V	V	V	28.8
19,501 to 26,000	121.1	111.4	9.7	8.7	S	V	V	14.7
26,001 to 33,000	66.6	52.8	13.8	9.3	S	V	V	25.2
33,001 to 40,000	45.1	19.8	S	S	S	V	V	34.0
40,001 to 50,000	99.1	34.0	65.1	S	64.9	V	V	20.5
50,001 to 60,000	164.0	71.0	93.0	S	89.7	S	V	23.0
60,001 to 80,000	867.4	10.2	857.2	4.7	789.0	63.5	V	6.1
80,001 to 100,000	157.8	S	157.1	S	143.6	S	V	13.9
100,001 to 130,000	S	V	S	V	S	V	V	S
130,001 or more	V	V	V	V	V	V	V	N
TOTAL LENGTH (FEET)								
Less than 20.0	10 094.9	10 094.9	V	V	V	V	V	4.1
20.0 to 27.9	942.8	927.2	S	S	V	V	V	17.0
28.0 to 35.9	894.4	804.5	S	S	3.2	V	V	21.6
36.0 to 40.9	134.9	14.2	120.7	S	45.0	V	V	37.5
41.0 to 44.9	37.0	S	34.6	S	27.4	V	V	24.3
45.0 to 49.9	33.9	S	30.4	S	28.3	V	V	29.9
50.0 to 54.9	68.3	S	54.3	S	43.1	S	V	26.7
55.0 to 59.9	119.3	V	119.3	S	117.0	V	V	14.5
60.0 to 64.9	249.9	V	249.9	S	244.2	V	V	11.5
65.0 to 69.9	383.7	V	383.7	S	375.2	S	V	12.6
70.0 to 74.9	219.1	V	219.1	V	160.5	58.5	V	16.4
75.0 to 79.9	54.9	V	54.9	S	54.0	V	V	28.3
80.0 or more	S	V	S	V	S	S	V	S
MILES PER GALLON								
Less than 5	294.9	71.3	223.6	S	216.2	S	V	9.5
5 to 6.9	947.1	208.1	739.0	16.1	713.5	S	V	6.8
7 to 8.9	334.1	205.0	129.0	S	S	54.1	V	18.7
9 to 10.9	881.3	803.6	S	S	S	V	V	25.1
11 to 12.9	896.7	847.2	S	S	S	V	V	18.6
13 to 14.9	840.1	837.2	S	S	S	V	V	19.0
15 or more	7 426.3	7 394.7	S	S	S	V	V	5.8
15 to 20.9	5 884.6	5 853.1	S	S	S	V	V	7.1
21 to 24.9	1 170.8	1 170.6	S	S	V	V	V	17.0
25 or more	370.9	370.9	V	V	V	V	V	28.4
Not reported	1 579.5	1 456.7	122.8	S	92.4	S	V	12.2
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
MODEL YEAR								
2003	S	V	S	V	S	V	S	
2002	1 454.3	1 344.2	110.1	S	55.9	S	V	18.1
2001	1 140.2	1 042.0	98.2	S	68.0	V	V	19.1
2000	1 014.0	824.1	189.9	S	172.4	V	V	15.5
1999	1 372.8	1 163.5	209.3	S	151.9	S	V	15.8
1998	1 077.5	961.4	116.1	V	116.1	V	V	17.4
1997	1 108.9	997.6	111.3	S	108.4	V	V	15.7
1996	1 138.5	1 023.7	114.8	S	107.4	S	V	17.4
1995	625.1	513.3	111.8	S	74.8	S	V	19.9
1994	794.7	730.3	64.3	S	59.0	S	V	24.9
1993	740.1	688.4	51.6	S	32.8	S	V	21.9
Pre-1993	2 770.4	2 571.9	198.5	S	154.4	S	V	8.6
VEHICLE ACQUISITION								
New	5 396.4	4 709.5	686.8	139.3	493.4	54.1	V	7.3
Used	7 211.5	6 616.6	594.9	67.4	513.9	S	V	5.6
Not reported	628.7	534.4	94.4	S	94.1	V	V	19.1
LEASE CHARACTERISTICS								
Leased	845.0	432.5	412.5	S	388.8	S	V	12.3
Lessee	704.6	343.3	361.3	S	351.6	S	V	13.1
Vehicle only	318.3	85.9	232.4	S	224.3	S	V	11.5
Vehicle with driver	127.3	V	127.3	V	127.3	V	V	17.0
Not reported	S	V	S	S	V	V	V	S
Not applicable ⁴	257.4	257.4	V	V	V	V	V	31.9
Lessor	81.2	S	46.3	S	32.4	V	V	40.2
Vehicle only	48.6	S	43.4	S	29.5	V	V	35.6
Vehicle with driver	S	S	S	V	S	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not applicable ⁴	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
Not leased	8 083.3	7 411.5	671.9	103.5	505.1	63.3	V	5.4
Not reported	4 308.2	4 016.5	291.8	S	207.6	V	V	7.9
Length of leasing agreement:								
Leased	845.0	432.5	412.5	S	388.8	S	V	12.3
1 to 11 months	10.5	S	S	V	S	V	V	48.8
12 months or more	488.2	91.5	396.8	S	373.1	V	V	9.1
Not reported	S	S	S	V	S	V	V	S
Not applicable ⁴	338.6	338.6	V	V	V	V	V	27.8
Provisions of lease⁵:								
Financing only	180.8	77.6	103.2	S	93.4	S	V	15.4
Full maintenance	103.7	S	93.4	V	93.4	V	V	19.6
Payment of taxes	201.4	14.0	187.3	S	183.7	V	V	13.8
Obtaining licenses and permits	299.7	10.2	289.5	V	289.5	V	V	11.0
Recordkeeping	183.2	S	173.3	V	173.3	V	V	14.9
Fuel contract	49.2	S	45.6	V	45.6	V	V	28.3
PRIMARY OPERATOR CLASSIFICATION								
Private	3 296.0	2 830.0	466.0	183.0	283.0	S	V	10.2
Motor carrier	837.6	228.3	609.3	S	545.4	62.4	V	12.2
Owner operator	313.8	S	254.7	S	249.2	S	V	14.2
Rental	137.6	S	23.9	V	23.9	V	V	46.4
Personal transportation	8 615.1	8 592.8	S	S	S	V	V	4.6
Not applicable ²	S	S	V	V	V	V	V	S
For-hire characteristics:								
Type of carrier:								
Contract	508.1	52.2	455.9	V	448.1	S	V	8.3
Common	442.9	61.3	381.6	S	321.1	59.1	V	9.8
Not reported	66.6	40.2	26.4	S	25.3	S	V	20.0
Not applicable ⁶	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
Type of service:								
Truckload	765.2	58.8	706.4	S	701.6	S	V	6.1
Less-than truckload	180.7	52.7	128.1	V	64.6	63.6	V	19.1
Not reported	71.6	42.1	29.5	S	28.4	S	V	20.6
Not applicable ⁶	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
Source of hauls:								
Shippers or receivers	755.0	84.8	670.2	S	605.3	63.5	V	7.1
Brokers	57.8	S	56.0	V	56.0	V	V	24.3
Centralized markets or exchanges	13.5	S	S	V	S	V	V	40.7
Other	V	V	V	V	V	V	V	N
Not reported	191.2	61.3	129.9	S	125.5	S	V	13.2
Not applicable ⁶	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	244.9	39.0	205.8	S	142.7	58.5	V	15.0
Not carrying hazardous materials	1 350.4	524.2	826.2	53.5	763.5	S	V	4.9
Not reported	225.5	50.6	174.9	S	171.3	V	V	12.6
Not applicable ⁸	11 415.7	11 246.6	169.1	145.2	23.9	V	V	3.7
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	12.3	12.2	S	S	V	V	V	37.3
Air bag(s) (safety device only)	7 977.7	7 746.4	231.3	S	130.7	V	V	5.5
Air compressor (except air brakes)	107.6	28.4	79.3	S	75.6	V	V	16.7
Air-conditioning	11 514.0	10 260.3	1 253.7	187.4	999.5	66.9	V	3.7
Air springs	595.5	30.8	564.7	11.9	549.4	S	V	7.5

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
EQUIPMENT TYPE^{5 9}—Con.								
Antilock brake system	8 346.3	7 696.7	649.6	S	511.9	20.6	V	5.1
Collision warning system	S	V	S	S	S	V	V	S
Computerized drive train control unit	1 688.0	1 538.6	149.4	S	117.6	V	V	13.0
Crane	31.9	26.4	S	S	S	V	V	23.3
Electronic vehicle identification device	41.3	V	41.3	V	36.9	S	V	32.0
Engine retarder/brake	780.6	41.5	739.1	11.9	722.8	S	V	6.0
Front-wheel drive	5 229.4	5 227.8	S	S	V	V	V	7.9
Hoist	100.3	79.0	21.3	21.3	V	V	V	9.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	90.8	S	76.2	S	76.2	V	V	19.8
Internet access	S	V	S	V	S	V	V	S
Lift gate	50.3	50.3	V	V	V	V	V	23.3
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	S	S	S	V	S	V	V	S
Power take-off	528.8	220.9	307.8	35.3	272.5	V	V	7.3
Radial tires	9 201.7	8 143.7	1 057.9	161.1	854.6	42.2	V	4.5
Reflective material in addition to those required by law	283.9	81.8	202.0	8.3	189.3	S	V	12.3
Road speed governor	788.6	137.1	651.5	19.9	569.2	62.4	V	7.0
Toolbox	1 908.1	1 522.9	385.2	128.2	253.7	S	V	13.6
Trip recorder or on-board computer with communication capabilities	713.4	570.9	142.5	S	111.1	V	V	20.8
Trip recorder or on-board computer without communication capabilities	2 178.6	2 083.7	94.9	S	68.8	S	V	11.5
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	221.9	206.5	15.4	S	13.7	V	V	31.3
Transmission type:								
Automatic	9 933.5	9 891.9	S	S	S	V	V	4.5
Manual	2 970.9	1 747.1	1 223.9	168.0	988.1	67.7	V	7.3
Semiautomated manual	S	S	S	V	S	V	V	S
Automated manual	S	S	S	V	S	V	V	S
Not reported	312.1	219.2	92.9	S	91.8	V	V	23.3
Braking system:								
Hydraulic (standard)	283.7	229.6	S	13.0	S	V	V	15.2
Hydraulic with power assist	197.1	189.7	7.5	7.5	V	V	V	11.7
Air	1 303.4	172.8	1 130.6	40.4	1 022.5	67.7	V	4.6
Other	V	V	V	V	V	V	V	N
Not reported	67.7	28.6	39.1	S	38.0	V	V	20.3
Not applicable ¹⁰	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	10 574.2	10 467.1	S	S	S	V	V	3.9
Diesel	2 270.0	1 001.0	1 268.9	100.3	1 100.8	67.7	V	9.1
Natural gas	V	V	V	V	V	V	V	N
Propane	S	S	V	V	V	V	V	S
Alcohol fuels	S	S	V	V	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	322.2	322.2	V	V	V	V	V	39.5
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ²	S	V	V	V	V	V	V	S
Cylinders¹¹:								
4 cylinders	1 098.8	1 098.4	S	S	V	V	V	17.3
6 cylinders	6 212.0	5 016.8	1 195.2	40.4	1 088.0	66.9	V	5.7
8 cylinders	5 645.2	5 520.8	124.4	122.7	1.7	V	V	7.2
Other	280.5	224.5	S	S	11.8	S	V	34.5
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	10 574.2	10 467.1	S	S	S	V	V	3.9
200 to 299	2 077.6	2 077.6	V	V	V	V	V	12.1
300 to 349	4 100.5	4 100.5	V	V	V	V	V	9.0
350 to 399	2 343.9	2 343.7	S	S	V	V	V	11.5
400 or more	1 571.1	1 543.3	S	S	V	V	V	13.4
Not available	372.9	297.4	S	S	V	V	V	26.7
Diesel fuel	108.2	104.6	S	S	V	V	V	38.0
Diesel fuel								
Less than 400	2 270.0	1 001.0	1 268.9	100.3	1 100.8	67.7	V	9.1
400 to 599	427.2	416.4	10.8	5.2	S	V	V	39.8
600 to 799	624.0	490.2	133.8	S	S	V	V	17.5
800 or more	440.5	47.7	392.8	S	346.1	S	V	9.6
Not available	574.3	23.1	551.2	10.7	527.0	S	V	7.3
Other fuel	204.0	23.6	180.4	S	165.0	S	V	12.6
Less than 400	355.7	355.7	V	V	V	V	V	36.2
400 or more	344.4	344.4	V	V	V	V	V	37.4
Not available	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
REFUELING LOCATION								
Gas station	10 943.6	10 718.8	224.8	125.5	99.2	S	V	4.1
Truck stop	911.8	147.6	764.2	S	715.1	S	V	7.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	841.9	513.2	328.6	S	229.6	S	V	12.8
Other company's/contractor's facility not open to the public	S	S	22.2	V	22.2	V	V	S
Other	S	S	V	V	V	V	V	S
Not reported	418.5	382.2	36.3	S	35.5	V	V	22.9
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
MAINTENANCE⁵								
General maintenance performed by:								
None performed	290.5	289.9	6	S	S	V	V	45.0
Company-owned maintenance facility	1 864.3	1 114.5	749.8	70.3	618.3	61.2	V	10.8
General repair business or private mechanic	5 636.9	5 099.1	537.7	S	431.7	31.3	V	6.9
Dealership service department	3 424.3	3 119.4	304.9	S	245.7	S	V	9.1
Leasing company	95.5	S	69.4	V	69.4	V	V	31.8
Individual not employed/paid by any maintenance type facility	4 671.3	4 433.9	237.4	S	198.3	S	V	7.7
Other	V	V	V	V	V	V	V	N
Not reported	400.0	377.2	22.8	V	22.8	V	V	23.9
Not applicable ²	S	S	V	V	V	V	V	S
Extensive repairs performed by:								
None performed	10 208.7	9 295.9	912.9	156.6	701.2	55.1	V	4.4
Company-owned maintenance facility	511.8	354.3	157.6	S	140.0	V	V	24.7
General repair business or private mechanic	707.0	599.1	107.9	S	94.1	S	V	18.6
Dealership service department	830.2	703.8	126.5	S	79.6	S	V	18.8
Leasing company	S	S	S	V	S	V	V	S
Component distributorship (engine, transmission, body, etc.)	107.6	S	11.9	S	10.0	V	V	47.8
Individual not employed/paid by any repair type facility	500.4	467.6	32.8	S	31.8	V	V	25.8
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
AXLE ARRANGEMENT								
Driving axles:								
1	6 815.1	6 478.2	337.0	181.2	107.6	S	V	5.7
2	6 418.3	5 381.9	1 036.4	25.7	991.1	19.6	V	6.5
3 or more	S	S	S	V	S	V	V	S
Not reported	S	S	S	V	S	V	V	S
Total liftable axles and locations ¹² :								
None	1 816.0	593.4	1 222.6	57.4	1 097.5	67.7	V	4.1
1	29.3	21.7	7.6	S	S	V	V	20.3
Forward of the drive axle	17.2	15.2	S	S	S	V	V	25.0
Below the chassis	7.9	5.1	S	S	V	V	V	44.9
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
2 or more	5.6	5.6	V	V	V	V	V	42.9
Forward of the drive axle	5.6	5.6	V	V	V	V	V	42.9
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ¹⁰	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
Total liftable axles and number of braking axles:								
None	1 816.0	593.4	1 222.6	57.4	1 097.5	67.7	V	4.1
1	29.3	21.7	7.6	S	S	V	V	20.3
0 braking	S	S	V	V	V	V	V	S
1 braking	26.1	18.5	7.6	S	S	V	V	22.1
Not reported	S	S	V	V	V	V	V	S
2 or more	5.6	5.6	V	V	V	V	V	42.9
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	5.6	5.6	V	V	V	V	V	42.9
Not reported	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable ¹⁰	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
CAB TYPE								
Conventional cab	1 759.7	560.2	1 199.5	62.0	1 070.7	66.9	V	4.2
With sleeper	800.6	V	800.6	V	796.2	S	V	7.1
Without sleeper	930.9	560.2	370.7	62.0	246.3	62.4	V	5.8
Not reported	28.2	V	28.2	V	28.2	V	V	35.1
Cab over engine	90.8	59.1	31.7	S	30.8	S	V	17.0
With sleeper	30.4	V	30.4	V	29.5	S	V	37.1
Without sleeper	60.3	59.1	1.3	S	1.3	V	V	17.5
Not reported	V	V	V	V	V	V	V	N
Cab forward of engine	S	S	V	V	V	V	V	S
Cab beside engine	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable ¹⁰	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7

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

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

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

³Truck-tractors not in use.

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

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

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

⁷Distributed miles data are available in Table 8.

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

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

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

¹¹Data were derived from administrative records.

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

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

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

Table 8. Truck Miles Distribution by Operational Characteristics: 2002

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

Vehicular and operational characteristics	Truck miles distribution for all trucks		Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities		Coefficient of variation (percent)	
	A	B	A	B	A	B
Total	13 236.6	1 851.9	3.3	4.0		
TRAILER CONFIGURATION						
No trailer pulled	11 610.8	641.9	3.6	5.8		
Single trailer pulled	1 529.8	1 149.9	6.2	5.2		
Double trailers pulled	58.5	58.5	40.6	40.6		
Triple trailers pulled	S	S	S	S		
Not applicable ¹	S	S	S	S		
RANGE OF OPERATION						
Off-the-road	389.7	30.8	33.6	17.6		
50 miles or less	7 384.6	536.5	4.4	5.8		
51 to 100 miles	1 798.6	273.7	10.2	8.3		
101 to 200 miles	957.0	218.0	14.3	8.6		
201 to 500 miles	576.9	247.1	10.5	10.8		
501 miles or more	696.4	410.7	11.0	10.3		
Not reported	1 396.8	134.4	17.3	18.9		
Not applicable ¹	S	S	S	S		
JURISDICTION						
Operated in Canada	S	V	S	N		
Operated in Mexico	S	V	S	N		
Operated within the home base state	10 807.1	1 115.4	3.7	4.1		
Operated in states other than the home base state	1 301.0	637.0	7.7	7.8		
Not reported	1 084.7	98.9	19.6	17.2		
Not applicable ¹	S	S	S	S		
OPERATOR CLASSIFICATION						
Private	3 397.8	799.6	9.4	7.0		
Motor carrier	839.1	750.9	12.1	7.1		
Owner operator	311.8	268.0	13.8	10.8		
Rental	137.9	28.9	46.2	30.6		
Personal transportation	8 513.4	3.8	4.3	47.1		
Not applicable ¹	S	S	S	S		
For-hire characteristics:						
Type of carrier:						
Contract	491.4	491.4	8.2	8.2		
Common	459.6	459.6	8.2	8.2		
Not reported	66.6	66.6	20.0	20.0		
Not applicable ^{2 3}	12 219.0	834.4	3.5	6.8		
Type of service:						
Truckload	187.6	187.6	18.0	18.0		
Less-than truckload	758.3	758.3	6.0	6.0		
Not reported	71.6	71.6	20.6	20.6		
Not applicable ^{2 3}	12 219.0	834.4	3.5	6.8		
PRODUCTS CARRIED⁴						
Animals and fish, live	82.6	38.7	29.1	23.6		
Animal feed and products of animal origin	92.8	55.7	24.3	18.0		
Grains, cereal	107.8	86.8	17.1	11.7		
All other agricultural products	50.0	S	49.7	S		
Basic chemicals	S	12.3	S	43.1		
Fertilizers and fertilizer materials	S	19.6	S	26.9		
Pharmaceutical products	1.3	1.3	49.8	49.8		
All other chemical products and preparations	S	10.0	S	31.8		
Alcoholic beverages	S	10.1	S	25.0		
Bakery and milled grain products	52.6	41.3	35.0	35.3		
Meat, seafood, and their preparations	91.5	91.3	18.5	18.5		
Tobacco products	S	S	S	S		
All other prepared foodstuffs	83.0	83.0	22.3	22.3		
Logs and other wood in the rough	4.8	4.8	43.4	43.5		
Paper or paperboard articles	29.7	28.5	23.5	24.1		
Printed products	S	24.9	S	24.9		
Pulp, newsprint, paper, and paperboard	S	S	S	S		
Wood products	S	11.8	S	29.4		
Articles of base metal	233.2	62.6	37.3	19.2		
Base metal in primary or semifinished forms	31.7	31.0	21.2	21.6		
Nonmetallic mineral products	54.8	41.7	22.7	19.0		
Tools, nonpowered	761.4	149.1	18.4	12.2		
Tools, powered	573.2	122.6	22.9	13.6		
Electronic and other electrical equipment	S	23.1	S	30.5		
Furniture, mattresses, lamps, etc.	30.4	27.3	32.8	34.7		
Machinery	106.6	68.6	23.9	19.3		
Miscellaneous manufactured products	32.0	12.3	42.0	25.3		
Precision instruments and apparatus	S	19.2	S	32.1		
Textile, leather, and related articles	78.5	33.7	47.7	28.9		
Vehicles, including parts	52.1	41.1	32.9	37.6		
All other transportation equipment	S	9.2	S	32.4		
Coal	S	S	S	S		
Crude petroleum	S	S	S	S		
Gravel or crushed stone	56.5	56.5	14.8	14.8		
Metallic ores and concentrates	V	V	N	N		
Monumental or building stone	2.7	2.7	48.6	48.6		
Natural sands	19.6	19.6	23.3	23.3		
All other nonmetallic minerals	3.7	3.7	30.4	30.4		
Fuel oils	56.0	32.7	40.0	23.4		
Gasoline and aviation turbine fuel	16.2	15.9	31.0	31.6		

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Truck miles distribution for all trucks	Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities	Coefficient of variation (percent)	
	A	B	A	B
PRODUCTS CARRIED⁴—Con.				
Plastics and rubber	18.9	18.9	26.8	26.8
All other coal and refined petroleum products	S	16.5	S	32.4
Hazardous waste (EPA manifest)	S	S	S	S
All other waste and scrap (non-EPA manifest)	61.9	32.2	36.8	18.9
Recyclable products	10.5	8.3	37.2	38.7
Mail and courier parcels	77.1	58.8	28.7	26.8
Empty shipping containers	9.0	5.9	41.1	33.7
Passengers	S	S	S	S
Mixed freight	174.2	174.2	17.8	17.8
Products, equipment, or materials not elsewhere classified	10.7	10.7	45.4	45.4
Products not specified	211.3	63.2	33.5	18.0
Not applicable ¹	S	S	S	S
HAZARDOUS MATERIALS CARRIED⁴				
Division 1.1, Explosives	V	V	N	N
Division 1.2, Explosives	V	V	N	N
Division 1.3, Explosives	S	S	S	S
Division 1.4, Explosives	S	S	S	S
Division 1.5, Explosives	S	S	S	S
Division 1.6, Explosives	V	V	N	N
Division 2.1, Flammable gas	12.0	12.0	38.9	38.9
Division 2.2, Nonflammable gas	6.1	6.1	46.6	46.6
Division 2.3, Poison gas	S	S	S	S
Class 3, Flammable	37.5	37.5	23.2	23.2
Combustible liquid	2.2	2.2	38.9	38.9
Oxygen 2, Oxygen	S	S	S	S
Division 4.1, Flammable solid	S	S	S	S
Division 4.2, Spontaneously combustible	S	S	S	S
Division 4.3, Dangerous when wet	S	S	S	S
Division 5.1, Oxidizer	S	S	S	S
Division 5.2, Organic peroxide	S	S	S	S
Division 6.1, Poison inhalation hazard	S	S	S	S
Division 6.1, Poison	S	S	S	S
Class 7, Radioactive	V	V	N	N
Class 8, Corrosive	12.8	12.8	30.8	30.8
Class 9	S	S	S	S
Hazardous materials not specified	S	S	S	S
Not applicable ¹	S	S	S	S

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

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

²Column A includes: pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

³Column B includes: all other vehicles that are private, rental, used for personal transportation, or not in use.

⁴Detail lines may not add to total because multiple products/hazardous materials may be carried at the same time.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at www.census.gov/svsd/www/02vehinv.html.

Appendix.

Approximating Unpublished Coefficients of Variation

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

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

Tables 4 and 5

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

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

where:

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

C = the number of trucks in the cell

STATE = the number of trucks in the state

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

Tables 6 and 7

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

Example

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

CV (retail light-sized trucks)=

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

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

Columns of predominately “large trucks:”

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

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

Rows of predominately “large-trucks:”

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

Annual Miles—75,000 miles or more

Vehicle Size—Light-heavy and Heavy-heavy

Average Weight—19,501 pounds or more

Total Length—50.0 or more

Miles per Gallon—Less than 5 and 5 to 6.9

Primary Operator Classification— Motor carrier, Owner operator

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

Hazardous Materials Carried—Carrying hazardous materials

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

Equipment Type, Braking system—All rows except Not applicable

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

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

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

Cab Type—All rows except Not applicable

