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2002 Economic Census

Vehicle Inventory and Use Survey

Geographic Area Series



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2002 Economic Census
Vehicle Inventory and Use Survey
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Table 1a. Trucks—Comparative Summary: 2002 and Earlier Years

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

Vehicular and operational characteristics	2002	1997	1992	1987	Vehicular and operational characteristics	2002	1997	1992	1987
Total	100.0	100.0	100.0	100.0	MODEL YEAR				
BUSINESS¹					1 to 2 years old	12.4	15.5	12.4	15.5
Agriculture, forestry, fishing, or hunting	5.9	7.8	10.8	14.2	3 to 4 years old	16.3	17.1	16.1	14.3
Mining	S	S	.1	.1	Over 4 years old	71.3	67.4	71.5	70.2
Construction	5.7	8.7	7.1	8.4	VEHICLE ACQUISITION				
Manufacturing	1.0	.7	.6	1.6	New	41.5	41.4	41.7	44.3
Wholesale and retail trade	2.2	2.5	4.4	4.7	Used	53.3	54.1	56.4	52.6
For-hire transportation or warehousing	1.8	1.0	1.7	2.1	Not reported ⁴	5.3	4.5	1.8	3.1
Utilities and all services	6.4	7.3	4.1	3.3	TRUCK TYPE				
Personal transportation	73.8	69.7	69.9	65.2	Single-unit trucks ⁵	95.5	97.0	95.8	96.0
Other, not reported, and not applicable	3.0	2.1	1.3	.3	2 axles	94.6	96.0	94.6	94.7
BODY TYPE					3 axles or more .....	.9	1.0	1.2	1.3
Pickup, minivan, other light vans, and sport utility	92.5	91.7	90.7	88.0	Trailer/axles not specified	V	N	N	N
Flatbed, stake, platform, and low boy	1.8	3.0	2.6	4.2	Combinations	4.5	3.0	4.2	4.0
Van ²	2.6	2.1	2.2	2.4	3 axles .....	.7	.3	.6	.9
Service, utility .....	.4	.2	.3	.4	4 axles	1.5	.6	1.7	1.2
Van, step, walk-in, or multistop .....	.4	.4	.5	1.0	5 axles or more	1.8	2.0	1.9	2.0
Dump .....	.9	.8	1.1	1.1	Trailer/axles not specified .....	.4	V	V	V
Tank for liquids, gases, or dry bulk .....	.4	.4	.5	.5	RANGE OF OPERATION				
Other and not applicable	1.0	1.5	2.1	2.5	50 miles or less	69.1	67.3	74.8	70.2
VEHICLE SIZE					51 to 200 miles	15.2	22.0	14.8	20.1
Light	90.4	92.5	90.9	89.7	201 miles or more	3.5	5.4	4.1	5.0
Medium	4.1	2.3	3.3	2.6	Off-the-road, not reported, and not applicable	12.2	5.3	6.4	4.6
Light-heavy	1.6	1.2	1.4	2.6	FUEL TYPE				
Heavy-heavy	3.9	4.0	4.4	5.2	Gasoline	88.4	92.9	93.6	93.9
ANNUAL MILES					All other fuels	9.8	7.1	6.1	6.1
Less than 5,000 ³	19.2	18.1	20.2	23.0	Other, not reported, and not applicable	1.7	V	.3	V
5,000 to 9,999	20.2	18.2	23.7	21.6					
10,000 to 19,999	38.9	41.5	36.8	36.6					
20,000 to 29,999	12.1	14.5	12.7	11.8					
30,000 or more	9.5	7.7	6.5	7.0					

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 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	8.8	9.9
Agriculture, forestry, fishing, or hunting	19.7	23.8	3 to 4 years old	15.5	12.7
Mining	1.1	.8	Over 4 years old	75.7	77.3
Construction	15.9	18.3	VEHICLE ACQUISITION		
Manufacturing	3.4	4.0	New	43.2	35.6
Wholesale and retail trade	11.4	14.9	Used	51.4	54.5
For-hire transportation or warehousing	21.1	12.5	Not reported ⁴	5.4	9.9
Utilities and all services	14.4	16.5	TRUCK TYPE		
Personal transportation	1.4	4.7	Single-unit trucks ⁵	65.7	67.9
Other, not reported, and not applicable	11.5	4.5	2 axles	53.7	55.6
BODY TYPE			3 axles or more	11.8	12.3
Flatbed, stake, platform, and low boy	24.7	36.1	Trailer/axles not specified .....	.1	N
Van ²	34.2	24.6	Combinations	34.3	32.1
Service, utility	4.9	2.4	3 axles	2.2	1.9
Van, step, walk-in, or multistop	5.5	4.6	4 axles	5.1	6.0
Dump	12.3	9.1	5 axles or more	24.3	24.3
Tank for liquids, gases, or dry bulk	5.6	4.9	Trailer/axles not specified	2.7	V
Other and not applicable	12.8	18.2	RANGE OF OPERATION		
VEHICLE SIZE			50 miles or less	56.0	56.6
Light	9.4	15.8	51 to 200 miles	15.3	20.2
Medium	18.8	22.2	201 miles or more	11.0	16.6
Light-heavy	19.1	14.3	Off-the-road, not reported, and not applicable	17.7	6.5
Heavy-heavy	52.8	47.7	FUEL TYPE		
ANNUAL MILES			Gasoline	30.8	42.4
Less than 5,000 ³	29.3	31.7	All other fuels	66.7	57.4
5,000 to 9,999	14.7	14.0	Other, not reported, and not applicable	2.6	.2
10,000 to 19,999	17.2	15.1			
20,000 to 29,999	10.4	11.0			
30,000 or more	28.4	28.1			

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

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

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

³Includes vehicles not in use.

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

⁵Excludes truck-tractors not in use.

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

Table 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	1 739.5	1 626.7	6.9	24 254.5	24 050.1	.8	13.9	14.8	-5.7
BUSINESS¹									
For-hire transportation or warehousing	30.8	17.0	81.3	2 210.8	1 553.9	42.3	71.7	91.3	-21.5
Vehicle leasing or rental	7.8	18.6	-58.0	271.9	379.8	-28.4	34.8	20.4	70.3
Agriculture, forestry, fishing, or hunting	102.5	127.3	-19.5	1 152.9	1 312.9	-12.2	11.2	10.3	9.1
Mining	S	S	S	49.6	29.6	67.5	S	S	S
Utilities	15.0	19.0	-20.8	212.7	211.1	.7	14.2	11.1	27.1
Construction	98.4	141.3	-30.4	1 658.7	2 433.2	-31.8	16.9	17.2	-2.1
Manufacturing	18.0	10.6	69.1	284.1	314.7	-9.7	15.8	29.6	-46.6
Wholesale trade	12.6	15.6	-19.0	282.8	1 048.8	-73.0	22.4	67.4	-66.7
Retail trade	26.2	25.0	4.8	415.9	437.6	-5.0	15.9	17.5	-9.3
Information services	S	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	14.7	N	N	152.8	N	N	10.4	N	N
Arts, entertainment, or recreation services .....	.8	N	N	S	N	N	S	N	N
Accommodation or food services	S	N	N	S	N	N	S	N	N
Other services	69.6	N	N	1 073.7	N	N	15.4	N	N
Personal transportation	1 283.8	1 134.3	13.2	15 926.7	14 303.5	11.3	12.4	12.6	-1.6
Not reported	13.9	V	N	278.7	V	N	20.0	V	N
Not applicable ²	30.1	15.3	96.6	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	1 702.9	1 589.0	7.2	21 739.7	21 195.1	2.6	12.8	13.3	-4.3
Pickup	934.5	894.2	4.5	11 058.4	11 556.5	-4.3	11.8	12.9	-8.4
Minivan	221.5	177.1	25.1	3 169.6	2 542.5	24.7	14.3	14.4	-3
Other light vans	72.8	103.8	-29.8	1 107.9	1 318.6	-16.0	15.2	12.7	19.7
Sport utility	380.8	315.8	20.6	5 213.8	4 543.0	14.8	13.7	14.4	-4.8
Armored	V	N	N	V	N	N	V	N	N
Beverage .....	.5	S	S	S	S	S	S	S	S
Concrete mixer	2.5	2.4	4.3	24.2	35.1	-31.0	9.7	14.7	-33.8
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane .....	.3	.6	-46.2	S	13.3	S	S	20.6	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	13.8	10.7	29.3	124.7	128.2	-2.7	9.0	12.0	-24.8
Flatbed, stake, or platform	26.7	39.7	-32.6	222.4	398.5	-44.2	8.3	10.0	-17.1
Low boy	S	S	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	.5	.8	-43.3	3.3	8.1	-59.6	6.9	9.7	-28.7
Service, utility	6.3	3.3	91.2	85.5	38.4	122.7	13.6	11.6	16.5
Service, other	4.6	2.3	104.1	85.0	29.6	187.1	18.4	13.1	40.6
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	1.3	S	S	12.7	S	S	10.0	S	S
Tank, liquids or gases	3.7	3.8	-3.1	38.4	69.7	-45.0	10.3	18.1	-43.2
Tow/Wrecker	2.6	1.5	74.3	44.5	S	S	17.3	S	S
Trash, garbage, or recycling	2.3	2.1	8.5	43.6	42.7	2.2	18.9	20.1	-5.9
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	11.8	11.5	2.5	248.5	221.8	12.1	21.0	19.2	9.4
Van, insulated nonrefrigerated	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated	2.1	1.5	44.6	51.5	36.9	39.5	24.1	25.0	-3.5
Van, open top	4.5	8.4	-46.4	23.1	32.1	-27.9	5.2	3.8	34.6
Van, step, walk-in, or multistop	7.1	6.2	13.7	145.5	128.8	12.9	20.5	20.6	-7
Van, other	1.7	N	N	17.4	N	N	10.3	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	36.6	37.6	-2.7	2 514.8	2 855.0	-11.9	68.7	75.9	-9.4
Automobile carrier .....	.4	.4	4.0	35.9	26.3	36.5	86.5	65.9	31.2
Beverage .....	.9	.6	46.8	33.2	17.0	95.2	37.9	28.5	33.0
Curtainside	S	N	N	S	N	N	S	N	N
Dump	2.2	1.7	25.8	73.0	74.9	-2.5	33.3	43.0	-22.5
Flatbed, stake, or platform	3.6	4.8	-25.1	150.9	259.3	-41.8	41.6	53.5	-22.3
Livestock .....	.5	.2	108.7	19.8	18.0	10.3	38.1	72.0	-47.1
Low boy	1.5	3.1	-50.9	38.0	63.0	-39.6	25.1	20.4	23.1
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	2.4	3.1	-24.9	43.0	113.2	-62.0	18.2	36.0	-49.5
Pole, logging, pulpwood, or pipe .....	.3	S	S	S	8.0	S	S	S	S
Tank, dry bulk .....	.7	.8	-8.6	68.2	63.6	7.2	93.8	79.9	17.3
Tank, liquids or gases	1.5	1.6	-8.7	126.8	136.3	-6.9	84.2	82.6	1.9
Van, basic enclosed	13.8	12.2	13.4	1 128.3	1 017.4	10.9	81.7	83.5	-2.2
Van, drop-frame .....	.5	.2	87.3	19.4	S	S	41.4	S	S
Van, insulated nonrefrigerated	S	.3	S	S	26.5	S	S	88.5	S
Van, insulated refrigerated	7.2	6.9	4.8	755.4	1 001.7	-24.6	104.5	145.3	-28.0
Other	V	N	N	V	N	N	V	N	N
Not applicable ³ .....	.7	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	304.3	282.6	7.7	678.8	637.3	6.5	2.2	2.3	-1.1
5,000 to 9,999	351.2	296.0	18.6	2 412.4	2 061.0	17.1	6.9	7.0	-1.3
10,000 to 19,999	677.4	675.0	.3	8 959.0	9 120.4	-1.8	13.2	13.5	-2.1
20,000 to 29,999	210.7	235.3	-10.5	4 633.4	5 371.8	-13.7	22.0	22.8	-3.7
30,000 to 49,999	128.0	79.7	60.5	4 259.1	2 785.4	52.9	33.3	34.9	-4.7
50,000 to 74,999	16.5	21.5	-23.1	961.9	1 261.3	-23.7	58.1	58.6	-8
75,000 or more	21.3	24.3	-12.4	2 344.8	2 813.0	-16.6	110.1	115.8	-4.9
Not applicable ²	30.1	12.2	146.3	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	23.5	74.2	-68.3	113.0	777.7	-85.5	4.8	10.5	-54.1
50 miles or less	1 202.4	1 094.9	9.8	15 573.7	12 930.0	20.4	13.0	11.8	9.7
51 to 100 miles	199.6	271.6	-26.5	2 982.6	5 209.1	-42.7	14.9	19.2	-22.1
101 to 200 miles	64.0	85.8	-25.4	1 341.4	1 972.6	-32.0	20.9	23.0	-8.9
201 to 500 miles	25.7	33.3	-22.8	642.3	943.5	-31.9	25.0	28.3	-11.8
501 miles or more	35.8	54.6	-34.4	1 341.9	2 217.2	-39.5	37.5	40.6	-7.8
Not reported	158.3	12.2	1 196.8	2 254.5	V	N	14.2	V	N
Not applicable ²	30.1	N	N	S	N	N	S	N	N
PRIMARY JURISDICTION									
Operated in Canada	V	N	N	V	N	N	V	N	N
Operated in Mexico	V	N	N	V	N	N	V	N	N
Operated within the home base state	1 531.6	N	N	20 425.4	N	N	13.3	N	N
Operated in states other than the home base state	37.9	N	N	1 861.1	N	N	49.1	N	N
Not reported	139.8	N	N	1 962.8	N	N	14.0	N	N
Not applicable ²	30.1	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	1 225.0	N	N	18 809.1	N	N	15.4	N	N
7 to 11	253.7	N	N	3 414.5	N	N	13.5	N	N
2 to 6	194.3	N	N	1 992.1	N	N	10.3	N	N
1 or less	36.3	N	N	33.5	N	N	.9	N	N
Vehicle not used	30.1	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	1 571.7	1 504.5	4.5	19 896.7	20 075.1	-9	12.7	13.3	-5.1
Medium	71.1	37.9	87.8	1 016.9	537.1	89.3	14.3	14.2	.8
Light-heavy	28.1	19.5	44.2	461.2	240.9	91.4	16.4	12.4	32.8
Heavy-heavy	68.6	64.8	5.9	2 879.6	3 197.1	-9.9	42.0	49.3	-14.9
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	1 182.5	1 388.7	-14.8	14 322.6	18 552.0	-22.8	12.1	13.4	-9.3
6,001 to 8,500	320.9	N	N	4 541.0	N	N	14.2	N	N
8,501 to 10,000	68.3	N	N	1 033.1	N	N	15.1	N	N
10,001 to 14,000	57.2	23.6	141.7	772.1	325.9	136.9	13.5	13.8	-2.0
14,001 to 16,000	3.8	6.2	-39.5	48.7	104.2	-53.3	12.9	16.7	-22.8
16,001 to 19,500	10.2	8.0	27.6	S	107.1	S	S	13.4	S
19,501 to 26,000	28.1	19.5	44.2	461.2	240.9	91.4	16.4	12.4	32.8
26,001 to 33,000	10.7	13.1	-18.3	110.0	149.0	-26.2	10.3	11.4	-9.7
33,001 to 40,000	6.9	5.9	16.5	78.5	101.8	-22.9	11.4	17.3	-33.8
40,001 to 50,000	8.9	10.5	-15.7	141.4	244.7	-42.2	16.0	23.3	-31.5
50,001 to 60,000	12.8	6.9	84.4	423.5	198.2	113.7	33.1	28.6	15.9
60,001 to 80,000	29.0	28.2	3.0	2 105.8	2 495.5	-15.6	72.6	88.6	-18.1
80,001 to 100,000 .....	.3	S	S	19.4	S	S	61.8	S	S
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	1 445.8	1 517.3	-4.7	18 322.0	20 284.2	-9.7	12.7	13.4	-5.2
20.0 to 27.9	162.8	51.8	214.2	1 822.0	583.7	212.1	11.2	11.3	-6
28.0 to 35.9	75.5	16.8	349.5	1 140.0	258.1	341.8	15.1	15.4	-1.7
36.0 to 40.9	11.3	3.5	221.0	S	73.0	S	S	20.8	S
41.0 to 44.9	3.6	2.0	77.1	112.4	49.0	129.3	31.3	24.2	29.5
45.0 to 49.9	3.6	1.4	146.6	59.0	46.0	28.4	16.6	31.8	-48.0
50.0 to 54.9	7.1	3.6	98.9	218.2	120.0	81.9	30.6	33.5	-8.6
55.0 to 59.9	4.5	6.3	-28.9	165.2	283.7	-41.7	36.9	45.1	-18.1
60.0 to 64.9	6.0	10.2	-41.2	360.5	744.5	-51.6	60.2	73.1	-17.6
65.0 to 69.9	9.5	7.1	34.3	856.9	742.6	15.4	89.9	104.7	-14.1
70.0 to 74.9	7.5	2.8	167.5	662.6	297.2	123.0	88.5	106.2	-16.7
75.0 to 79.9	2.2	N	N	234.2	N	N	107.4	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	11.2	13.9	-19.2	271.8	365.6	-25.7	24.2	26.3	-8.0
5 to 6.9	45.0	52.3	-14.0	1 753.7	2 678.1	-34.5	39.0	51.2	-23.8
7 to 8.9	59.5	27.9	113.5	538.1	367.6	46.4	9.0	13.2	-31.4
9 to 10.9	98.6	125.3	-21.3	915.7	1 110.5	-17.5	9.3	8.9	4.8
11 to 12.9	137.2	187.6	-26.9	1 629.1	1 816.8	-10.3	11.9	9.7	22.6
13 to 14.9	148.5	241.5	-38.5	1 851.2	3 415.9	-45.8	12.5	14.1	-11.8
15 or more	974.5	964.4	1.0	13 870.8	14 178.8	-2.2	14.2	14.7	-3.2
15 to 20.9	780.7	764.8	2.1	11 091.4	11 268.0	-1.6	14.2	14.7	-3.6
21 to 24.9	129.5	150.1	-13.7	1 935.1	2 186.7	-11.5	14.9	14.6	2.6
25 or more	64.3	49.6	29.7	844.3	724.1	16.6	13.1	14.6	-10.1
Not reported	235.0	13.8	1 600.7	3 418.9	116.8	2 828.1	14.5	8.4	72.2
Not applicable ²	30.1	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	V	N	N	V	N	N	V	N	N
2002	106.6	N	N	1 797.7	N	N	16.9	N	N
2001	109.3	N	N	2 310.8	N	N	21.1	N	N
2000	166.5	N	N	3 212.4	N	N	19.3	N	N
1999	116.3	N	N	2 234.9	N	N	19.2	N	N
1998	84.6	S	S	1 809.2	S	S	21.4	S	S
1997	112.3	123.3	-8.9	1 881.1	2 421.7	-22.3	16.8	19.6	-14.7
1996	89.8	128.3	-30.0	1 671.1	2 486.6	-32.8	18.6	19.4	-4.0
1995	147.0	137.5	6.9	1 992.8	2 863.7	-30.4	13.6	20.8	-34.9
1994	117.8	139.9	-15.8	1 868.0	2 787.6	-33.0	15.9	19.9	-20.4
1993	78.8	94.1	-16.2	765.3	1 644.2	-53.5	9.7	17.5	-44.5
Pre-1993	610.4	1 002.8	-39.1	4 711.2	11 797.2	-60.1	7.7	11.8	-34.4
VEHICLE ACQUISITION									
New	721.4	673.9	7.0	11 644.3	10 961.2	6.2	16.1	16.3	-8
Used	926.5	880.1	5.3	11 252.9	11 166.2	.8	12.1	12.7	-4.3
Not reported	91.6	72.6	26.1	1 357.3	1 922.8	-29.4	14.8	26.5	-44.0
LEASE CHARACTERISTICS									
Leased	56.3	N	N	1 972.7	N	N	35.1	N	N
Lessee	42.5	N	N	1 107.3	N	N	26.0	N	N
Vehicle only	5.7	N	N	357.0	N	N	62.3	N	N
Vehicle with driver	2.4	N	N	240.2	N	N	98.3	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not applicable ⁴	34.4	N	N	510.1	N	N	14.8	N	N
Lessor	13.0	N	N	819.9	N	N	63.3	N	N
Vehicle only	8.5	N	N	663.4	N	N	77.8	N	N
Vehicle with driver	1.0	N	N	55.9	N	N	53.4	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ⁴	S	N	N	S	N	N	S	N	N
Not reported	8	N	N	45.5	N	N	58.8	N	N
Not leased	965.7	N	N	13 487.1	N	N	14.0	N	N
Not reported	717.5	N	N	8 794.6	N	N	12.3	N	N
Length of leasing agreement:									
Leased	56.3	N	N	1 972.7	N	N	35.1	N	N
1 to 11 months	1.8	N	N	100.3	N	N	54.7	N	N
12 months or more	16.2	N	N	1 227.9	N	N	75.7	N	N
Not reported	5	N	N	34.5	N	N	64.5	N	N
Not applicable ⁴	37.7	N	N	610.0	N	N	16.2	N	N
Provisions of lease ⁵ :									
Financing only	9.0	N	N	616.6	N	N	68.6	N	N
Full maintenance	5.6	N	N	383.0	N	N	68.4	N	N
Payment of taxes	10.6	N	N	837.1	N	N	79.0	N	N
Obtaining licenses and permits	10.7	N	N	936.5	N	N	87.4	N	N
Recordkeeping	4.0	N	N	299.9	N	N	74.3	N	N
Fuel contract	1.3	N	N	111.7	N	N	83.7	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	372.3	N	N	5 532.1	N	N	14.9	N	N
Motor carrier	24.7	N	N	1 322.6	N	N	53.6	N	N
Owner operator	20.4	N	N	1 182.4	N	N	58.1	N	N
Rental	8.2	N	N	285.6	N	N	34.8	N	N
Personal transportation	1 283.8	N	N	15 926.7	N	N	12.4	N	N
Not applicable ²	30.1	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	13.9	N	N	1 057.6	N	N	76.0	N	N
Common	14.4	N	N	772.7	N	N	53.7	N	N
Not reported	6.5	N	N	467.3	N	N	72.2	N	N
Not applicable ⁶	1 704.7	N	N	21 956.8	N	N	12.9	N	N
Type of service:									
Truckload	20.7	12.4	66.3	1 578.4	1 237.1	27.6	76.4	99.5	-23.3
Less-than truckload	7.3	3.7	97.9	264.4	224.0	18.0	36.3	60.9	-40.4
Not reported	6.8	N	N	454.8	N	N	66.8	N	N
Not applicable ⁶	1 704.7	N	N	21 956.8	N	N	12.9	N	N
Source of hauls:									
Shippers or receivers	21.9	N	N	1 572.5	N	N	71.9	N	N
Brokers	2.1	N	N	171.8	N	N	80.4	N	N
Centralized markets or exchanges .....	.7	N	N	22.3	N	N	31.0	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	10.0	N	N	531.0	N	N	52.9	N	N
Not applicable ⁶	1 704.7	N	N	21 956.8	N	N	12.9	N	N
HAZARDOUS MATERIALS CARRIED⁷									
Carrying hazardous materials	6.3	8.5	-26.1	374.3	539.8	-30.7	59.3	63.2	-6.2
Not carrying hazardous materials	97.0	110.0	-11.8	2 784.6	2 722.0	2.3	28.7	24.7	16.0
Not reported	16.4	22.1	-25.6	284.6	884.4	-67.8	17.3	40.0	-56.7
Not applicable ⁸	1 619.7	N	N	20 811.0	N	N	12.8	N	N
EQUIPMENT TYPE^{5 9}									
Aerial work platform/bucket	3.4	N	N	42.1	N	N	12.3	N	N
Air bag(s) (safety device only)	917.3	408.3	124.7	14 838.3	7 189.2	106.4	16.2	17.6	-8.1
Air compressor (except air brakes)	9.0	N	N	381.7	N	N	42.3	N	N
Air-conditioning	1 418.4	1 229.6	15.4	21 578.8	19 844.9	8.7	15.2	16.1	-5.7
Air springs	18.7	N	N	1 295.6	N	N	69.3	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE^{5 9}—Con.									
Antilock brake system	939.1	669.0	40.4	16 365.7	11 685.4	40.1	17.4	17.5	-2
Collision warning system	1.6	N	N	53.0	N	N	32.9	N	N
Computerized drive train control unit	211.8	N	N	3 510.5	N	N	16.6	N	N
Crane	3.1	N	N	53.2	N	N	17.4	N	N
Electronic vehicle identification device	1.5	3.8	-60.3	146.6	404.7	-63.8	96.0	105.3	-8.8
Engine retarder/brake	24.9	16.0	56.1	1 828.4	1 333.7	37.1	73.3	83.5	-12.2
Front-wheel drive	783.7	319.8	145.0	10 221.1	4 375.5	133.6	13.0	13.7	-4.7
Hoist	22.7	N	N	191.6	N	N	8.4	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	5.1	N	N	471.8	N	N	92.7	N	N
Internet access	2.0	N	N	112.2	N	N	56.8	N	N
Lift gate	6.5	N	N	125.9	N	N	19.5	N	N
Mounting bar for snowplow	18.6	N	N	S	N	N	S	N	N
Navigational system .....	.8	1.7	-53.3	86.9	109.3	-20.5	106.9	62.9	70.0
Power take-off	37.6	N	N	911.5	N	N	24.2	N	N
Radial tires	1 164.6	1 318.1	-11.6	17 314.1	19 812.2	-12.6	14.9	15.0	-1.1
Reflective material in addition to those required by law	18.2	26.2	-30.6	946.8	1 053.3	-10.1	52.0	40.2	29.4
Road speed governor	33.9	35.5	-4.5	1 685.5	1 883.4	-10.5	49.7	53.0	-6.3
Toolbox	197.9	N	N	3 205.9	N	N	16.2	N	N
Trip recorder or on-board computer with communication capabilities	56.5	N	N	1 429.3	N	N	25.3	N	N
Trip recorder or on-board computer without communication capabilities	218.8	N	N	3 408.5	N	N	15.6	N	N
Vehicle control aids for handicapped drivers	S	V	S	S	V	S	S	V	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	8.8	N	N	108.1	N	N	12.2	N	N
Transmission type:									
Automatic	1 231.1	N	N	16 748.7	N	N	13.6	N	N
Manual	457.4	N	N	6 582.0	N	N	14.4	N	N
Semiautomated manual	1.5	N	N	74.7	N	N	49.7	N	N
Automated manual	2.2	N	N	118.5	N	N	54.2	N	N
Not reported	47.3	N	N	730.5	N	N	15.5	N	N
Braking system:									
Hydraulic (standard)	36.6	33.5	9.3	539.6	428.3	26.0	14.7	12.8	15.3
Hydraulic with power assist	27.9	37.6	-25.8	355.1	405.3	-12.4	12.7	10.8	18.0
Air	58.2	57.8	.7	2 587.4	2 677.6	-3.4	44.4	46.3	-4.0
Other	V	1.5	N	V	S	S	V	S	S
Not reported	7.1	N	N	222.7	N	N	31.5	N	N
Not applicable ¹⁰	1 609.7	N	N	20 549.7	N	N	12.8	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1 538.3	1 511.3	1.8	19 376.8	19 922.0	-2.7	12.6	13.2	-4.4
Diesel	138.8	113.1	22.7	4 317.4	4 102.0	5.3	31.1	36.3	-14.2
Natural gas	S	N	N	S	N	N	S	N	N
Propane	1.4	N	N	16.0	N	N	11.7	N	N
Alcohol fuels	S	N	N	S	N	N	S	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	16.9	N	N	343.5	N	N	20.3	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	30.1	N	N	S	N	N	S	N	N
Cylinders¹¹:									
4 cylinders	184.5	147.1	25.5	2 134.2	2 440.2	-12.5	11.6	16.6	-30.3
6 cylinders	775.0	661.9	17.1	13 074.6	11 930.3	9.6	16.9	18.0	-6.4
8 cylinders	748.7	764.1	-2.0	8 813.2	9 310.4	-5.3	11.8	12.2	-3.4
Other	31.2	53.5	-41.8	232.4	369.3	-37.1	7.5	6.9	8.0
Cubic inch displacement¹¹:									
Gasoline fuel	1 538.3	1 511.3	1.8	19 376.8	19 922.0	-2.7	12.6	13.2	-4.4
Less than 200	322.7	326.2	-1.1	4 094.7	5 061.6	-19.1	12.7	15.5	-18.2
200 to 299	517.1	351.1	47.3	7 745.4	5 208.9	48.7	15.0	14.8	1.0
300 to 349	304.6	308.2	-1.2	3 395.0	3 892.0	-12.8	11.1	12.6	-11.7
350 to 399	277.0	375.4	-26.2	3 372.4	4 618.1	-27.0	12.2	12.3	-1.0
400 or more	70.2	69.0	1.8	556.6	682.6	-18.5	7.9	9.9	-19.9
Not available	46.6	81.3	-42.7	212.7	453.7	-53.6	4.6	5.6	-19.0
Diesel fuel	138.8	113.1	22.7	4 317.4	4 102.0	5.3	31.1	36.3	-14.2
Less than 400	29.9	27.8	7.5	715.7	477.9	49.8	23.9	17.2	39.3
400 to 599	60.3	37.6	60.4	922.1	631.7	46.0	15.3	16.8	-9.0
600 to 799	18.3	14.0	30.4	998.8	1 011.4	-1.2	54.6	72.2	-24.3
800 or more	20.5	21.8	-6.1	1 171.0	1 516.6	-22.8	57.2	69.5	-17.7
Not available	9.8	11.9	-16.9	509.8	464.4	9.8	51.8	39.2	32.1
Other fuel	32.2	1.9	1 579.6	555.1	26.1	2 023.7	17.2	13.6	26.4
Less than 400	27.7	S	S	483.5	S	S	17.4	S	S
400 or more	S	1.1	S	S	17.3	S	S	15.9	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	30.1	N	N	S	N	N	S	N	N
REFUELING LOCATION									
Gas station	1 542.8	N	N	20 189.9	N	N	13.1	N	N
Truck stop	46.6	N	N	2 207.6	N	N	47.4	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	78.8	N	N	1 247.7	N	N	15.8	N	N
Other company's/contractor's facility not open to the public	S	N	N	169.8	N	N	S	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	31.4	N	N	362.7	N	N	11.5	N	N
Not applicable ²	30.1	N	N	S	N	N	S	N	N

See footnotes at end of table.

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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	62.3	22.7	174.8	625.3	235.5	165.5	10.0	10.4	-3.4
Company-owned maintenance facility	134.8	100.6	34.0	3 562.5	2 440.9	46.0	26.4	24.3	8.9
General repair business or private mechanic	686.4	528.1	30.0	9 827.5	8 306.3	18.3	14.3	15.7	-9.0
Dealership service department	347.9	331.5	4.9	6 117.3	5 452.8	12.2	17.6	16.4	6.9
Leasing company	S	14.9	S	53.9	345.0	-84.4	S	23.2	S
Individual not employed/paid by any maintenance type facility	714.3	784.1	-8.9	9 109.5	9 752.8	-6.6	12.8	12.4	2.5
Other	V	10.4	N	V	S	S	V	S	S
Not reported	58.4	62.1	-6.0	583.8	1 234.0	-52.7	10.0	19.9	-49.7
Not applicable ²	30.1	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed	1 369.9	95.4	1 336.0	19 101.4	1 273.9	1 399.4	13.9	13.4	4.4
Company-owned maintenance facility	20.3	36.9	-44.9	469.7	838.3	-44.0	23.1	22.7	1.7
General repair business or private mechanic	107.0	272.9	-60.8	1 821.7	4 396.0	-58.6	17.0	16.1	5.7
Dealership service department	80.4	192.2	-58.2	1 553.7	3 625.0	-57.1	19.3	18.9	2.4
Leasing company	S	9.0	S	S	S	S	S	S	S
Component distributorship (engine, transmission, body, etc.) .....	.4	42.0	-99.1	S	795.7	S	S	18.9	S
Individual not employed/paid by any repair type facility	95.4	140.3	-32.0	1 084.7	1 315.3	-17.5	11.4	9.4	21.3
Other	V	S	S	V	S	S	V	S	S
Not reported	S	887.4	S	S	12 263.6	S	S	13.8	S
Not applicable ²	30.1	N	N	S	N	N	S	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer	1 662.1	1 578.1	5.3	21 216.0	21 048.8	.8	12.8	13.3	-4.3
2 axles	1 646.1	1 561.4	5.4	21 002.4	20 798.6	1.0	12.8	13.3	-4.2
3 axles	14.4	14.9	-3.6	192.0	201.3	-4.6	13.4	13.5	-1.0
4 axles	1.3	1.8	-29.1	17.9	48.9	-63.4	14.1	27.3	-48.5
5 axles or more	S	N	N	S	N	N	S	N	N
Not reported	S	V	S	S	V	N	S	V	S
Combinations	77.3	48.6	59.3	3 038.4	3 001.4	1.2	39.3	61.8	-36.5
Single-unit trucks with trailer	41.5	10.9	279.6	523.7	146.4	257.8	12.6	13.4	-5.7
3 axles	S	S	S	S	S	S	S	S	S
4 axles	24.6	7.0	248.8	228.8	82.3	177.9	9.3	11.7	-20.3
5 axles or more	1.8	.8	109.6	19.7	22.0	-10.4	11.2	26.2	-57.3
Not reported	S	N	N	S	N	N	S	N	N
Truck-tractors with single trailer	35.9	37.6	-4.5	2 514.8	2 854.3	-11.9	70.1	76.0	-7.7
3 axles	1.6	2.0	-23.6	36.0	61.4	-41.4	23.1	30.2	-23.3
4 axles	2.1	3.5	-41.0	44.2	135.5	-67.3	21.5	38.9	-44.7
5 axles or more	29.9	32.1	-6.8	2 294.9	2 657.4	-13.6	76.8	82.9	-7.4
Not reported	2.4	N	N	139.7	N	N	58.8	N	N
Truck-tractors with double trailers	V	S	S	V	S	S	V	S	S
5 axles	V	V	N	V	V	N	V	N	N
6 axles	V	S	S	V	S	S	V	S	S
7 axles	V	V	N	V	V	N	V	V	N
8 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Truck-tractors with triple trailers	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Driving axles:									
1	901.6	999.6	-9.8	11 283.8	13 836.8	-18.5	12.5	13.8	-9.6
2	837.3	625.9	33.8	12 964.7	10 117.4	28.1	15.5	16.2	-4.2
3 or more .....	.3	1.1	-76.9	3.3	95.9	-96.6	12.5	83.7	-85.1
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations ¹² :									
None	126.2	49.0	157.7	3 650.0	1 552.7	135.1	28.9	31.7	-8.8
1	3.1	3.3	-6.8	46.9	75.0	-37.4	15.4	22.9	-32.9
Forward of the drive axle	1.3	N	N	21.5	N	N	15.9	N	N
Below the chassis .....	.8	N	N	14.1	N	N	17.6	N	N
Beyond the chassis .....	.2	N	N	S	N	N	S	N	N
Not reported .....	.7	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	S	S
Forward of the drive axle	S	N	N	S	N	N	S	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 .....	.4	N	N	S	N	N	S	N	N
Not applicable ¹⁰	1 609.7	N	N	20 549.7	N	N	12.8	N	N
Total liftable axles and number of braking axles:									
None	126.2	49.0	157.7	3 650.0	1 552.7	135.1	28.9	31.7	-8.8
1	3.1	3.3	-6.8	46.9	75.0	-37.4	15.4	22.9	-32.9
0 braking .....	.3	N	N	S	N	N	S	N	N
1 braking	2.6	N	N	36.1	N	N	13.7	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	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	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.4	N	N	S	N	N	S	N	N
Not applicable ¹⁰	1 609.7	N	N	20 549.7	N	N	12.8	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	120.2	115.9	3.7	3 434.5	3 639.0	-5.6	28.6	31.4	-9.0
With sleeper	21.6	N	N	1 923.2	N	N	88.9	N	N
Without sleeper	98.1	N	N	1 476.8	N	N	15.1	N	N
Not reported .....	.5	N	N	34.6	N	N	73.9	N	N
Cab over engine	9.2	12.7	-27.5	267.9	343.5	-22.0	29.1	27.1	7.5
With sleeper	2.1	N	N	135.3	N	N	64.8	N	N
Without sleeper	7.1	N	N	131.9	N	N	18.7	N	N
Not reported	S	N	N	S	N	N	S	N	N
Cab forward of engine	S	2.9	S	S	45.8	S	S	15.7	S
Cab beside engine	S	.2	S	S	S	S	S	S	S
Not reported	V	N	N	V	N	N	V	N	N
Not applicable ¹⁰	1 609.7	N	N	20 549.7	N	N	12.8	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 .....	.9	.6	1.1	3.1	2.7	4.1	3.0	2.6	3.8
BUSINESS									
For-hire transportation or warehousing	11.8	5.3	23.5	9.1	5.2	14.9	4.2	3.3	4.2
Vehicle leasing or rental	43.4	33.4	23.0	18.5	34.0	27.7	29.7	15.6	57.1
Agriculture, forestry, fishing, or hunting	15.0	11.7	15.3	21.5	15.3	23.2	14.4	8.8	18.4
Mining	S	S	S	49.1	40.8	107.0	S	S	S
Utilities	39.2	29.8	39.0	42.3	34.5	55.0	16.2	19.7	32.4
Construction	16.2	11.5	13.8	21.2	14.4	17.5	12.1	8.0	14.2
Manufacturing	37.9	34.9	87.1	34.1	27.2	39.4	22.6	12.5	13.8
Wholesale trade	39.2	23.2	36.9	32.9	16.9	10.0	20.9	9.9	7.7
Retail trade	29.3	24.9	40.3	31.2	19.2	34.8	16.4	12.3	18.6
Information services	S	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services	39.9	N	N	36.3	N	N	30.0	N	N
Arts, entertainment, or recreation services	39.6	N	N	S	N	N	S	N	N
Accommodation or food services	S	N	N	S	N	N	S	N	N
Other services	20.9	N	N	27.8	N	N	17.9	N	N
Personal transportation	2.5	2.4	3.9	4.5	4.1	6.8	3.8	3.4	5.0
Not reported	35.0	N	N	31.9	N	N	10.7	N	N
Not applicable ¹	31.3	35.8	93.5	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks .....	.9	.7	1.2	3.5	3.0	4.7	3.4	2.9	4.3
Pickup	1.1	1.1	1.6	5.2	4.3	6.5	5.1	4.2	6.0
Minivan	10.5	10.1	18.3	13.9	13.8	24.4	9.1	9.4	13.0
Other light vans	20.7	14.4	17.7	25.6	19.5	27.1	15.1	13.3	24.1
Sport utility	6.7	6.3	11.0	9.0	8.4	14.1	6.0	5.5	7.8
Armored	N	N	N	N	N	N	N	N	N
Beverage	49.7	S	S	S	S	S	S	S	S
Concrete mixer	13.7	13.5	20.1	16.5	19.8	17.8	9.2	14.5	11.4
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	49.3	38.0	33.5	S	38.3	S	S	8.3	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	7.8	10.6	17.0	11.8	12.5	16.7	10.5	10.6	11.2
Flatbed, stake, or platform	5.8	5.3	5.3	11.3	10.7	8.7	9.8	9.4	11.2
Low boy	S	S	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	32.7	37.3	28.1	39.3	43.9	23.8	21.8	37.0	30.6
Service, utility	13.9	23.0	51.4	18.6	34.1	86.5	12.1	24.2	31.6
Service, other	16.4	28.6	67.2	20.1	38.6	124.8	11.3	25.1	38.8
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	29.9	S	S	39.7	S	S	31.2	S	S
Tank, liquids or gases	17.1	20.6	26.0	21.2	25.4	18.2	11.8	17.6	12.1
Tow/Wrecker	21.9	33.3	69.5	35.2	S	S	26.7	S	S
Trash, garbage, or recycling	19.7	24.6	34.1	26.2	27.7	39.0	20.8	16.2	24.8
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	9.5	12.3	16.0	12.4	16.8	23.4	8.4	11.5	15.5
Van, insulated nonrefrigerated	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated	23.5	33.3	59.0	29.4	35.0	63.7	15.9	12.1	19.3
Van, open top	15.8	13.8	11.3	29.8	25.1	28.1	24.7	22.1	44.6
Van, step, walk-in, or multistop	13.1	17.0	24.4	16.5	24.5	33.4	10.1	17.6	20.1
Van, other	27.8	N	N	32.1	N	N	16.6	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	2.1	2.6	3.3	3.1	3.3	4.0	2.8	3.0	3.7
Automobile carrier	34.8	34.9	51.3	36.9	38.2	72.5	12.2	15.6	26.0
Beverage	32.0	40.4	75.6	39.2	42.7	113.1	21.8	24.2	43.3
Curtainside	S	N	N	S	N	N	S	N	N
Dump	15.0	19.2	30.7	22.5	22.0	30.7	16.9	14.8	17.4
Flatbed, stake, or platform	11.9	9.5	11.4	16.2	12.5	11.9	11.9	8.1	11.2
Livestock	31.2	44.2	112.9	40.2	49.6	70.4	25.5	22.4	17.9
Low boy	18.2	14.6	11.4	30.6	25.5	24.1	24.7	19.0	38.4
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	15.8	13.3	15.5	25.5	19.1	12.1	21.7	15.5	13.5
Pole, logging, pulpwood, or pipe	40.3	S	S	S	49.8	S	S	S	S
Tank, dry bulk	26.2	32.6	38.3	29.7	29.4	44.8	13.8	11.9	21.4
Tank, liquids or gases	18.0	16.9	22.5	20.2	19.2	25.9	9.0	9.2	13.1
Van, basic enclosed	5.2	6.2	9.2	6.1	6.5	9.9	3.4	3.3	4.7
Van, drop-frame	32.9	44.2	103.1	47.8	S	S	34.8	S	S
Van, insulated nonrefrigerated	S	40.3	S	S	41.0	S	S	7.5	S
Van, insulated refrigerated	7.6	7.7	11.4	8.3	8.5	8.9	3.2	3.6	3.5
Other	N	N	N	N	N	N	N	N	N
Not applicable ²	30.7	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	9.0	7.9	12.9	11.2	9.9	15.9	6.2	5.4	8.1
5,000 to 9,999	8.6	8.0	14.0	8.8	8.3	14.2	2.1	1.9	2.8
10,000 to 19,999	5.4	4.5	7.1	5.6	4.6	7.2	1.4	1.1	1.8
20,000 to 29,999	11.6	9.2	13.2	11.6	9.3	12.8	1.4	1.1	1.8
30,000 to 49,999	15.0	15.9	35.1	14.9	15.9	33.4	2.1	2.3	3.0
50,000 to 74,999	35.9	28.4	35.2	34.9	28.5	34.4	2.2	3.9	4.5
75,000 or more	16.0	14.9	19.2	13.3	10.7	14.3	3.1	4.7	5.4
Not applicable ¹	31.3	40.2	125.3	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	34.5	17.1	12.2	45.6	22.6	7.4	34.5	13.6	17.0
50 miles or less	2.9	2.7	4.4	4.8	4.0	7.5	3.8	3.0	5.3
51 to 100 miles	11.8	8.5	10.7	15.3	10.6	10.7	10.4	6.7	9.7
101 to 200 miles	21.6	15.7	19.9	22.8	18.5	20.0	12.0	12.3	15.6
201 to 500 miles	32.3	23.7	30.9	18.1	16.4	16.6	19.6	12.1	20.3
501 miles or more	26.4	18.2	21.1	13.4	7.4	9.3	18.1	14.0	21.1
Not reported	13.3	40.2	548.7	12.0	N	N	7.0	N	N
Not applicable ¹	31.3	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	1.7	N	N	3.8	N	N	3.4	N	N
Operated in states other than the home base state	23.6	N	N	13.1	N	N	14.4	N	N
Not reported	14.1	N	N	12.8	N	N	7.9	N	N
Not applicable ¹	31.3	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	2.9	N	N	4.0	N	N	3.1	N	N
7 to 11	10.3	N	N	13.4	N	N	9.4	N	N
2 to 6	11.8	N	N	17.0	N	N	12.6	N	N
1 or less	26.1	N	N	26.4	N	N	24.8	N	N
Vehicle not used	31.3	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	1.2	.8	1.5	3.8	3.2	4.9	3.6	3.1	4.5
Medium	17.3	12.5	40.0	20.8	15.4	49.0	11.7	8.1	14.4
Light-heavy	13.1	9.0	22.9	27.2	15.5	59.9	15.6	12.4	26.4
Heavy-heavy	2.1	2.7	3.6	2.8	3.0	3.7	3.0	3.3	3.8
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	2.9	1.3	2.7	4.8	3.5	4.6	3.9	3.2	4.6
6,001 to 8,500	9.2	N	N	12.7	N	N	8.7	N	N
8,501 to 10,000	20.7	N	N	27.6	N	N	17.8	N	N
10,001 to 14,000	20.7	19.4	68.5	24.2	22.9	78.9	13.6	9.5	16.3
14,001 to 16,000	18.0	16.9	14.9	25.7	23.9	16.4	20.0	16.6	20.1
16,001 to 19,500	33.9	14.3	47.0	S	27.5	S	S	23.3	S
19,501 to 26,000	13.1	9.0	22.9	27.2	15.5	59.9	15.6	12.4	26.4
26,001 to 33,000	10.2	10.6	12.0	17.6	14.6	16.9	14.4	10.9	16.3
33,001 to 40,000	12.1	14.4	21.9	19.9	20.8	22.2	16.8	18.1	16.3
40,001 to 50,000	8.9	8.0	10.1	13.0	11.3	9.9	10.9	9.8	10.1
50,001 to 60,000	5.7	8.2	18.4	10.0	12.0	33.3	8.0	8.4	13.4
60,001 to 80,000	2.8	3.0	4.2	3.8	3.8	4.5	2.9	2.8	3.3
80,001 to 100,000	40.4	S	S	43.1	S	S	15.3	S	S
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	1.9	.7	1.9	4.1	3.1	4.7	3.7	3.0	4.5
20.0 to 27.9	12.2	6.4	43.3	14.5	9.8	54.5	7.9	6.6	10.3
28.0 to 35.9	17.8	16.5	109.0	24.3	13.3	122.4	16.6	13.5	21.0
36.0 to 40.9	42.1	18.5	147.5	S	23.5	S	S	16.7	S
41.0 to 44.9	16.7	25.6	54.1	19.5	34.9	91.6	15.9	22.0	35.2
45.0 to 49.9	16.5	21.7	67.2	24.4	36.6	56.5	18.9	24.1	15.9
50.0 to 54.9	47.2	14.9	98.5	47.0	18.3	91.7	7.6	12.9	13.6
55.0 to 59.9	11.1	8.7	10.0	15.1	11.6	11.1	11.9	8.6	12.0
60.0 to 64.9	9.3	6.6	6.7	11.7	7.7	6.8	8.2	4.6	7.7
65.0 to 69.9	6.5	7.6	13.4	7.3	8.2	12.7	3.4	3.1	4.0
70.0 to 74.9	7.5	12.8	39.6	8.6	14.2	37.0	4.2	6.3	6.3
75.0 to 79.9	14.8	N	N	16.1	N	N	6.4	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	8.1	8.4	9.4	12.2	10.3	11.9	10.8	9.1	13.0
5 to 6.9	8.2	3.5	7.7	4.5	3.6	3.8	8.3	4.0	7.0
7 to 8.9	19.5	13.9	51.1	16.1	13.9	31.1	11.5	9.3	10.1
9 to 10.9	16.6	12.3	16.3	19.6	14.3	20.0	12.9	9.8	17.0
11 to 12.9	14.6	10.6	13.2	19.3	13.4	21.0	12.9	8.4	18.9
13 to 14.9	14.2	9.2	10.4	17.9	11.8	11.6	11.0	7.5	11.7
15 or more	3.8	3.0	4.9	5.7	4.7	7.2	4.3	3.6	5.4
15 to 20.9	4.8	4.0	6.4	6.9	5.7	8.8	5.0	4.1	6.2
21 to 24.9	15.6	12.3	17.1	18.3	15.1	21.0	9.6	8.8	13.4
25 or more	22.5	21.9	40.8	25.3	27.1	43.3	11.3	16.1	17.7
Not reported	10.6	26.5	486.1	10.9	26.2	831.4	6.8	33.8	59.3
Not applicable ¹	31.3	N	N	S	N	N	S	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
MODEL YEAR									
2003	N	N	N	N	N	N	N	N	N
2002	16.9	N	N	16.9	N	N	8.0	N	N
2001	16.5	N	N	16.3	N	N	9.1	N	N
2000	13.0	N	N	13.0	N	N	7.6	N	N
1999	16.0	N	N	16.1	N	N	8.2	N	N
1998	18.8	S	S	23.4	S	S	16.5	S	S
1997	16.3	13.4	19.2	17.1	12.2	16.3	7.5	6.7	8.5
1996	18.4	13.0	15.8	19.5	11.8	15.3	8.9	5.9	10.2
1995	14.2	12.5	20.2	15.3	11.6	13.4	7.7	6.0	6.4
1994	15.9	12.4	17.0	19.1	14.2	15.9	11.7	8.7	11.6
1993	19.8	15.5	21.1	22.0	19.1	13.6	11.4	12.2	9.3
Pre-1993	5.6	3.0	3.9	8.7	4.9	4.0	6.6	3.9	5.0
VEHICLE ACQUISITION									
New	5.1	4.5	7.3	5.9	5.2	8.4	3.9	3.5	5.2
Used	4.1	3.5	5.7	6.4	5.6	8.5	5.0	4.4	6.3
Not reported	18.1	16.3	30.7	17.9	12.3	15.3	11.3	7.8	7.7
LEASE CHARACTERISTICS									
Leased	20.0	N	N	11.2	N	N	12.2	N	N
Lessee	25.2	N	N	17.2	N	N	14.0	N	N
Vehicle only	11.3	N	N	12.3	N	N	9.2	N	N
Vehicle with driver	14.0	N	N	15.5	N	N	6.5	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not applicable ³	31.2	N	N	35.6	N	N	17.2	N	N
Lessor	26.4	N	N	14.1	N	N	14.1	N	N
Vehicle only	8.7	N	N	8.5	N	N	5.1	N	N
Vehicle with driver	22.0	N	N	27.2	N	N	16.2	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ³	S	N	N	S	N	N	S	N	N
Not reported	35.1	N	N	33.6	N	N	21.9	N	N
Not leased	3.9	N	N	5.7	N	N	4.4	N	N
Not reported	5.2	N	N	7.0	N	N	4.8	N	N
Length of leasing agreement:									
Leased	20.0	N	N	11.2	N	N	12.2	N	N
1 to 11 months	18.4	N	N	19.8	N	N	13.0	N	N
12 months or more	6.0	N	N	6.0	N	N	4.1	N	N
Not reported	41.9	N	N	39.6	N	N	27.6	N	N
Not applicable ³	29.8	N	N	34.0	N	N	16.4	N	N
Provisions of lease:									
Financing only	8.6	N	N	8.7	N	N	6.1	N	N
Full maintenance	11.4	N	N	11.4	N	N	7.0	N	N
Payment of taxes	7.9	N	N	7.7	N	N	5.0	N	N
Obtaining licenses and permits	7.5	N	N	7.2	N	N	4.4	N	N
Recordkeeping	13.0	N	N	13.6	N	N	8.9	N	N
Fuel contract	21.0	N	N	22.1	N	N	11.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	7.6	N	N	10.2	N	N	6.5	N	N
Motor carrier	14.8	N	N	6.0	N	N	13.2	N	N
Owner operator	23.9	N	N	16.4	N	N	16.5	N	N
Rental	41.5	N	N	17.8	N	N	28.4	N	N
Personal transportation	2.5	N	N	4.5	N	N	3.8	N	N
Not applicable ¹	31.3	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	6.3	N	N	6.7	N	N	4.8	N	N
Common	6.7	N	N	7.5	N	N	5.4	N	N
Not reported	10.7	N	N	10.9	N	N	7.9	N	N
Not applicable ⁴ .....	.9	N	N	3.4	N	N	3.3	N	N
Type of service:									
Truckload	4.6	6.0	12.5	5.1	6.2	10.2	3.7	3.2	3.8
Less-than truckload	10.8	15.3	37.0	11.6	14.6	22.1	7.1	9.8	7.2
Not reported	10.8	N	N	11.0	N	N	8.1	N	N
Not applicable ⁴ .....	.9	N	N	3.4	N	N	3.3	N	N
Source of hauls:									
Shippers or receivers	4.8	N	N	5.0	N	N	3.7	N	N
Brokers	15.1	N	N	17.3	N	N	8.4	N	N
Centralized markets or exchanges	30.5	N	N	38.4	N	N	18.2	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	8.9	N	N	9.9	N	N	7.7	N	N
Not applicable ⁴ .....	.9	N	N	3.4	N	N	3.3	N	N
HAZARDOUS MATERIALS CARRIED⁵									
Carrying hazardous materials	11.3	10.8	11.6	11.9	10.1	10.8	9.3	8.1	11.5
Not carrying hazardous materials	1.8	1.8	2.3	3.1	3.4	4.7	3.0	3.2	5.1
Not reported	7.8	7.8	8.2	11.3	9.3	4.7	9.7	9.0	5.7
Not applicable ⁶ .....	.9	N	N	3.6	N	N	3.5	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	18.8	N	N	25.3	N	N	16.2	N	N
Air bag(s) (safety device only)	4.0	6.5	17.1	5.5	7.1	18.6	3.8	3.9	5.0
Air compressor (except air brakes)	9.1	N	N	10.9	N	N	8.9	N	N
Air-conditioning	2.1	2.1	3.4	3.7	3.4	5.4	3.2	2.8	4.0
Air springs	4.4	N	N	5.4	N	N	3.8	N	N
Antilock brake system	4.0	4.5	8.5	5.0	5.8	10.8	3.5	3.9	5.2
Collision warning system	25.7	N	N	25.8	N	N	14.3	N	N
Computerized drive train control unit	11.7	N	N	13.2	N	N	6.7	N	N
Crane	19.1	N	N	24.4	N	N	15.6	N	N
Electronic vehicle identification device	20.7	11.7	9.4	22.3	11.5	9.1	14.4	5.2	13.9
Engine retarder/brake	3.5	5.1	9.6	4.3	5.7	9.7	3.1	3.6	4.2
Front-wheel drive	4.8	7.7	22.2	6.5	9.8	27.5	4.4	6.2	7.2
Hoist	6.3	N	N	10.5	N	N	9.0	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	10.2	N	N	10.3	N	N	5.3	N	N
Internet access	15.7	N	N	18.5	N	N	9.7	N	N
Lift gate	13.2	N	N	17.0	N	N	10.9	N	N
Mounting bar for snowplow	40.6	N	N	S	N	N	S	N	N
Navigational system	28.2	23.7	17.2	29.7	21.7	29.3	20.1	20.8	49.2
Power take-off	4.3	N	N	6.4	N	N	5.7	N	N
Radial tires	3.1	1.9	3.2	4.7	3.3	5.0	3.7	2.8	4.6
Reflective material in addition to those required by law	6.3	6.3	6.2	6.8	6.8	8.7	5.6	6.0	10.6
Road speed governor	4.3	4.6	6.0	4.8	4.5	5.9	4.2	4.2	5.5
Toolbox	11.0	N	N	13.4	N	N	9.1	N	N
Trip recorder or on-board computer with communication capabilities	21.4	N	N	11.2	N	N	14.1	N	N
Trip recorder or on-board computer without communication capabilities	11.5	N	N	13.4	N	N	7.7	N	N
Vehicle control aids for handicapped drivers	S	N	S	S	N	S	S	N	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	40.1	N	N	27.6	N	N	20.7	N	N
Transmission type:									
Automatic	2.7	N	N	4.7	N	N	3.9	N	N
Manual	6.3	N	N	6.6	N	N	5.0	N	N
Semiautomated manual	22.1	N	N	25.7	N	N	21.4	N	N
Automated manual	14.9	N	N	17.2	N	N	8.6	N	N
Not reported	24.6	N	N	24.5	N	N	15.2	N	N
Braking system:									
Hydraulic (standard)	4.6	6.1	8.4	7.3	11.6	17.2	5.8	10.1	13.4
Hydraulic with power assist	5.6	5.5	5.9	10.0	9.4	12.0	8.4	7.7	13.4
Air	2.3	2.7	3.6	3.2	3.2	4.4	3.2	3.2	4.3
Other	N	35.2	N	N	S	S	N	S	S
Not reported	11.9	N	N	14.9	N	N	12.0	N	N
Not applicable ⁹	.9	N	N	3.7	N	N	3.5	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	1.5	.9	1.8	3.9	3.2	4.9	3.6	3.1	4.5
Diesel	9.4	8.5	15.5	6.5	4.3	8.2	5.6	5.9	7.0
Natural gas	S	N	N	S	N	N	S	N	N
Propane	31.3	N	N	35.5	N	N	16.8	N	N
Alcohol fuels	S	N	N	S	N	N	S	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	44.3	N	N	46.5	N	N	13.9	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	31.3	N	N	S	N	N	S	N	N
Cylinders ⁹ :									
4 cylinders	12.7	12.1	22.0	16.1	16.8	20.3	10.0	11.7	10.7
6 cylinders	4.5	4.2	7.2	5.2	4.7	7.7	3.7	3.5	4.8
8 cylinders	4.7	3.9	6.0	7.5	5.6	8.9	5.8	4.0	6.8
Other	24.0	14.9	16.5	36.9	21.1	26.7	27.7	16.8	35.0
Cubic inch displacement ⁹ :									
Gasoline fuel	1.5	.9	1.8	3.9	3.2	4.9	3.6	3.1	4.5
Less than 200	9.2	7.7	11.9	11.6	10.7	12.8	7.1	7.4	8.4
200 to 299	6.5	7.1	14.1	8.9	8.8	18.5	6.0	5.3	8.1
300 to 349	9.4	7.9	12.2	12.9	10.2	14.4	8.7	6.5	9.6
350 to 399	9.7	6.9	8.8	12.4	8.9	11.2	7.5	5.5	9.2
400 or more	20.0	17.2	26.9	26.5	20.4	27.2	17.9	12.1	17.3
Not available	22.6	13.9	15.2	38.8	30.6	22.9	28.3	25.3	30.7
Diesel fuel	9.4	8.5	15.5	6.5	4.3	8.2	5.6	5.9	7.0
Less than 400	27.3	25.0	39.7	31.2	23.1	58.2	10.0	9.4	19.2
400 to 599	17.4	17.8	39.9	17.2	16.4	34.7	10.4	10.5	13.4
600 to 799	4.8	5.9	10.0	6.2	7.6	9.6	4.5	6.0	5.7
800 or more	4.1	3.9	5.3	5.7	5.0	5.9	4.4	3.5	4.7
Not available	7.1	7.1	8.4	10.2	10.3	15.9	8.1	9.1	16.2
Other fuel	31.3	30.7	737.0	33.8	39.5	1 105.1	11.7	22.7	32.3
Less than 400	34.5	S	S	37.0	S	S	13.4	S	S
400 or more	S	40.8	S	S	45.4	S	S	13.3	S
Not available	S	N	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable ¹	31.3	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	1.6	N	N	3.8	N	N	3.5	N	N
Truck stop	16.1	N	N	8.0	N	N	10.8	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	15.9	N	N	13.4	N	N	10.5	N	N
Other company's/contractor's facility not open to the public	S	N	N	32.7	N	N	S	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	29.9	N	N	32.8	N	N	18.8	N	N
Not applicable ¹	31.3	N	N	S	N	N	S	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	22.4	32.7	108.9	32.4	38.6	133.7	22.6	20.2	29.3
Company-owned maintenance facility	12.1	11.8	22.7	8.8	9.8	19.3	6.8	8.4	11.8
General repair business or private mechanic ..	5.3	5.5	9.9	6.7	7.2	11.6	4.7	5.1	6.3
Dealership service department	8.4	7.5	11.9	9.9	8.2	14.4	6.4	4.5	8.3
Leasing company	S	38.4	S	28.3	27.4	6.1	S	16.2	S
Individual not employed/paid by any maintenance type facility									
Other	5.1	3.9	5.8	7.0	5.6	8.4	4.8	4.0	6.4
Not reported	N	48.3	N	N	S	S	N	S	S
Not applicable ¹	22.8	17.9	27.2	25.6	13.2	13.6	14.8	12.0	9.6
Extensive repairs performed by:									
None performed	2.4	15.5	224.5	4.0	18.0	276.3	3.4	9.6	10.7
Company-owned maintenance facility	33.9	19.4	21.5	25.1	14.7	16.3	23.0	10.8	25.8
General repair business or private mechanic ..	16.6	8.3	7.3	20.0	10.6	9.4	12.4	7.5	15.3
Dealership service department	19.4	10.1	9.2	19.7	9.8	9.4	10.9	5.3	12.4
Leasing company	S	49.1	S	S	S	S	S	S	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	44.8	22.2	.5	S	18.2	S	S	13.2	S
Other	17.9	12.4	14.8	22.3	15.0	22.2	13.2	8.6	19.1
Not reported	N	S	S	N	S	S	N	S	S
Not applicable ¹	S	3.5	S	S	4.8	S	S	3.6	S
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles	1.1	.7	1.4	3.6	3.0	4.7	3.4	2.9	4.3
3 axles	1.1	.7	1.4	3.6	3.1	4.8	3.4	3.0	4.3
4 axles	5.2	6.8	8.2	9.5	9.2	12.6	8.3	8.0	11.4
5 axles or more	19.8	18.9	19.4	24.1	25.7	12.9	13.8	14.4	10.3
Not reported	S	N	S	S	N	N	S	N	N
Combinations									
Single-unit trucks with trailer	13.5	7.7	24.7	6.7	3.4	7.6	10.4	6.9	7.9
3 axles	25.1	33.1	157.7	36.0	28.9	165.4	25.9	17.2	29.3
4 axles	S	S	S	S	S	S	S	S	S
5 axles or more	33.0	37.3	173.8	47.5	27.0	151.8	35.6	24.3	34.3
Not reported	20.8	42.5	99.2	28.0	48.5	50.1	21.2	44.5	21.1
Truck-tractors with single trailer									
3 axles	2.2	2.6	3.2	3.1	3.3	4.0	2.7	3.0	3.7
4 axles	21.6	22.6	23.9	33.7	29.0	26.1	22.6	19.9	23.1
5 axles or more	18.7	15.9	14.5	22.1	20.4	9.8	15.7	13.6	11.5
Not reported	2.5	2.6	3.3	3.5	3.5	4.3	2.6	2.9	3.6
Truck-tractors with double trailers									
5 axles	15.0	N	N	18.0	N	N	10.8	N	N
6 axles	N	S	S	N	S	S	N	S	S
7 axles	N	N	N	N	N	N	N	N	N
8 axles or more	N	N	N	N	N	N	N	N	N
Not reported	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers									
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	4.2	3.0	4.6	6.6	4.8	6.7	5.1	3.8	5.8
2	4.5	4.7	8.7	5.2	5.0	9.2	3.6	3.5	4.8
3 or more	44.1	25.3	11.8	48.4	25.6	1.9	20.0	15.2	3.7
Not reported	44.2	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.8	4.2	11.1	2.5	5.2	13.5	2.4	4.9	5.0
1	14.9	18.2	22.0	21.3	20.9	18.7	17.6	17.3	16.6
Forward of the drive axle	20.9	N	N	26.3	N	N	18.7	N	N
Below the chassis	31.6	N	N	43.6	N	N	36.1	N	N
Beyond the chassis	49.4	N	N	N	N	N	S	N	N
Not reported	34.9	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	S	S
Forward of the drive axle	S	N	N	S	N	N	S	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	37.3	N	N	S	N	N	S	N	N
Not applicable ⁹ .....	.9	N	N	3.7	N	N	3.5	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 .....	.8	4.2	11.1	2.5	5.2	13.5	2.4	4.9	5.0
1	14.9	18.2	22.0	21.3	20.9	18.7	17.6	17.3	16.6
0 braking	40.3	N	N	S	N	N	S	N	N
1 braking	16.5	N	N	22.6	N	N	18.4	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	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	S	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.3	N	N	S	N	N	S	N	N
Not applicable ⁸ .....	.9	N	N	3.7	N	N	3.5	N	N
CAB TYPE									
Conventional cab	1.0	1.7	2.1	2.6	2.9	3.7	2.5	2.9	3.5
With sleeper	3.4	N	N	4.2	N	N	2.5	N	N
Without sleeper	1.3	N	N	4.1	N	N	3.8	N	N
Not reported	32.9	N	N	37.6	N	N	18.5	N	N
Cab over engine	8.7	9.1	9.2	12.2	13.2	14.0	9.7	9.6	14.6
With sleeper	15.4	N	N	20.5	N	N	13.9	N	N
Without sleeper	10.5	N	N	13.1	N	N	8.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
Cab forward of engine	S	22.3	S	S	28.5	S	S	19.3	S
Cab beside engine	S	49.4	S	S	S	S	S	S	S
Not reported	N	N	N	N	N	N	N	N	N
Not applicable ⁹ .....	.9	N	N	3.7	N	N	3.5	N	N

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

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

²Truck-tractors not in use.

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

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

⁵Distributed miles data are available in Table 8.

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

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

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

⁹Data were derived from administrative records.

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

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

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
Total	129.8	135.8	-4.5	3 704.7	4 089.5	-9.4	28.6	30.1	-5.2
BUSINESS¹									
For-hire transportation or warehousing	27.4	17.0	61.0	2 028.7	1 553.9	30.6	74.1	91.3	-18.9
Vehicle leasing or rental	4.5	3.5	29.8	234.4	100.9	132.3	52.2	29.2	79.0
Agriculture, forestry, fishing, or hunting	25.6	32.3	-20.8	229.7	255.3	-10.0	9.0	7.9	13.6
Mining	1.5	1.1	34.7	26.9	19.8	35.9	18.3	18.1	.9
Utilities	4.9	6.5	-24.6	68.8	80.2	-14.3	14.0	12.3	13.6
Construction	20.6	24.9	-17.1	238.2	343.2	-30.6	11.6	13.8	-16.3
Manufacturing	4.4	5.5	-20.2	129.3	203.1	-36.3	29.5	36.9	-20.2
Wholesale trade	5.7	10.3	-44.7	174.2	816.2	-78.7	30.7	79.4	-61.4
Retail trade	9.1	10.0	-8.3	171.2	268.1	-36.1	18.7	26.9	-30.3
Information services	1.5	N	N	17.9	N	N	12.0	N	N
Waste management, landscaping, or administrative/support services	4.6	N	N	89.2	N	N	19.4	N	N
Arts, entertainment, or recreation services .....	.8	N	N	S	N	N	S	N	N
Accommodation or food services	2.1	N	N	51.7	N	N	24.9	N	N
Other services	4.9	N	N	61.6	N	N	12.6	N	N
Personal transportation	1.9	6.4	-70.5	8.2	44.0	-81.5	4.4	6.9	-37.2
Not reported	7.1	V	N	160.2	V	N	22.4	V	N
Not applicable ²	3.3	2.6	25.4	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	93.2	98.2	-5.1	1 190.0	1 234.5	-3.6	12.8	12.6	1.6
Armored	V	N	N	V	N	N	V	N	N
Beverage .....	.5	S	S	S	S	S	S	S	S
Concrete mixer	2.5	2.4	4.3	24.2	35.1	-31.0	9.7	14.7	-33.8
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane .....	.3	.6	-46.2	S	13.3	S	S	20.6	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	13.8	10.7	29.3	124.7	128.2	-2.7	9.0	12.0	-24.8
Flatbed, stake, or platform	26.7	39.7	-32.6	222.4	398.5	-44.2	8.3	10.0	-17.1
Low boy	S	S	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	.5	.8	-43.3	3.3	8.1	-59.6	6.9	9.7	-28.7
Service, utility	6.3	3.3	91.2	85.5	38.4	122.7	13.6	11.6	16.5
Service, other	4.6	2.3	104.1	85.0	29.6	187.1	18.4	13.1	40.6
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	1.3	S	S	12.7	S	S	10.0	S	S
Tank, liquids or gases	3.7	3.8	-3.1	38.4	69.7	-45.0	10.3	18.1	-43.2
Tow/Wrecker	2.6	1.5	74.3	44.5	S	S	17.3	S	S
Trash, garbage, or recycling	2.3	2.1	8.5	43.6	42.7	2.2	18.9	20.1	-5.9
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	11.8	11.5	2.5	248.5	221.8	12.1	21.0	19.2	9.4
Van, insulated nonrefrigerated	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated	2.1	1.5	44.6	51.5	36.9	39.5	24.1	25.0	-3.5
Van, open top	4.5	8.4	-46.4	23.1	32.1	-27.9	5.2	3.8	34.6
Van, step, walk-in, or multistop	7.1	6.2	13.7	145.5	128.8	12.9	20.5	20.6	-.7
Van, other	1.7	N	N	17.4	N	N	10.3	N	N
Other	V	N	N	V	N	N	V	N	N
Truck-tractors	36.6	37.6	-2.7	2 514.8	2 855.0	-11.9	68.7	75.9	-9.4
Automobile carrier .....	.4	.4	4.0	35.9	26.3	36.5	86.5	65.9	31.2
Beverage .....	.9	.6	46.8	33.2	17.0	95.2	37.9	28.5	33.0
Curtainside	S	N	N	S	N	N	S	N	N
Dump	2.2	1.7	25.8	73.0	74.9	-2.5	33.3	43.0	-22.5
Flatbed, stake, or platform	3.6	4.8	-25.1	150.9	259.3	-41.8	41.6	53.5	-22.3
Livestock .....	.5	.2	108.7	19.8	18.0	10.3	38.1	72.0	-47.1
Low boy	1.5	3.1	-50.9	38.0	63.0	-39.6	25.1	20.4	23.1
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	2.4	3.1	-24.9	43.0	113.2	-62.0	18.2	36.0	-49.5
Pole, logging, pulpwood, or pipe .....	.3	S	S	S	8.0	S	S	S	S
Tank, dry bulk .....	.7	.8	-8.6	68.2	63.6	7.2	93.8	79.9	17.3
Tank, liquids or gases	1.5	1.6	-8.7	126.8	136.3	-6.9	84.2	82.6	1.9
Van, basic enclosed	13.8	12.2	13.4	1 128.3	1 017.4	10.9	81.7	83.5	-2.2
Van, drop-frame .....	.5	.2	87.3	19.4	S	S	41.4	S	S
Van, insulated nonrefrigerated	S	.3	S	S	26.5	S	S	88.5	S
Van, insulated refrigerated	7.2	6.9	4.8	755.4	1 001.7	-24.6	104.5	145.3	-28.0
Other	V	N	N	V	N	N	V	N	N
Not applicable ³ .....	.7	N	N	V	N	N	V	N	N
ANNUAL MILES									
Less than 5,000	34.8	41.0	-15.3	54.9	69.4	-20.9	1.6	1.7	-6.7
5,000 to 9,999	19.1	19.0	.3	131.0	126.2	3.8	6.9	6.6	3.5
10,000 to 19,999	22.3	20.5	8.5	302.8	276.9	9.4	13.6	13.5	.8
20,000 to 29,999	13.5	15.0	-9.7	316.6	352.2	-10.1	23.4	23.5	-.4
30,000 to 49,999	12.6	12.3	1.9	465.0	457.3	1.7	37.0	37.1	-.2
50,000 to 74,999	6.3	6.6	-4.8	384.3	395.4	-2.8	61.1	59.8	2.1
75,000 or more	18.0	19.3	-6.9	2 045.0	2 412.2	-15.2	113.9	125.1	-9.0
Not applicable ²	3.3	2.0	61.9	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	3.5	6.9	-48.8	29.3	28.0	4.5	8.3	4.1	103.8
50 miles or less	72.6	76.9	-5.6	978.8	850.2	15.1	13.5	11.1	21.9
51 to 100 miles	13.6	18.3	-25.5	372.1	506.8	-26.6	27.3	27.7	-1.5
101 to 200 miles	6.2	9.1	-31.7	249.9	414.1	-39.7	40.1	45.4	-11.6
201 to 500 miles	5.3	8.3	-35.5	405.5	522.1	-22.3	75.8	62.9	20.5
501 miles or more	8.9	14.3	-37.6	951.4	1 768.3	-46.2	106.8	123.9	-13.8
Not reported	16.2	2.0	698.6	712.6	V	N	44.0	V	N
Not applicable ²	3.3	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	97.3	N	N	1 721.7	N	N	17.7	N	N
Operated in states other than the home base state	14.2	N	N	1 328.3	N	N	93.5	N	N
Not reported	15.0	N	N	649.6	N	N	43.3	N	N
Not applicable ²	3.3	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	72.5	N	N	2 855.8	N	N	39.4	N	N
7 to 11	20.2	N	N	524.0	N	N	25.9	N	N
2 to 6	24.3	N	N	300.1	N	N	12.3	N	N
1 or less	9.4	N	N	19.8	N	N	2.1	N	N
Vehicle not used	3.3	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	12.2	21.4	-43.2	136.5	228.6	-40.3	11.2	10.7	5.2
Medium	24.4	30.2	-19.1	350.1	423.0	-17.2	14.3	14.0	2.3
Light-heavy	24.7	19.5	27.1	341.2	240.9	41.6	13.8	12.4	11.5
Heavy-heavy	68.5	64.8	5.7	2 876.9	3 197.1	-10.0	42.0	49.3	-14.8
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	2.1	5.0	-58.9	27.8	35.8	-22.5	13.4	7.1	88.6
6,001 to 8,500	3.0	N	N	26.1	N	N	8.7	N	N
8,501 to 10,000	7.1	N	N	82.6	N	N	11.6	N	N
10,001 to 14,000	13.8	16.2	-14.9	205.2	213.8	-4.0	14.9	13.2	12.8
14,001 to 16,000	3.8	6.2	-39.5	48.7	104.2	-53.3	12.9	16.7	-22.8
16,001 to 19,500	6.9	7.7	-11.4	96.2	105.0	-8.4	14.0	13.6	3.4
19,501 to 26,000	24.7	19.5	27.1	341.2	240.9	41.6	13.8	12.4	11.5
26,001 to 33,000	10.7	13.1	-18.3	110.0	149.0	-26.2	10.3	11.4	-9.7
33,001 to 40,000	6.7	5.9	14.1	75.7	101.8	-25.6	11.3	17.3	-34.8
40,001 to 50,000	8.9	10.5	-15.7	141.4	244.7	-42.2	16.0	23.3	-31.5
50,001 to 60,000	12.8	6.9	84.4	423.5	198.2	113.7	33.1	28.6	15.9
60,001 to 80,000	29.0	28.2	3.0	2 105.8	2 495.5	-15.6	72.6	88.6	-18.1
80,001 to 100,000 .....	.3	S	S	19.4	S	S	61.8	S	S
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	30.8	32.0	-3.9	354.5	379.0	-6.5	11.5	11.8	-2.7
20.0 to 27.9	35.0	48.7	-28.1	412.6	541.0	-23.7	11.8	11.1	6.1
28.0 to 35.9	18.8	14.3	31.3	287.2	245.3	17.0	15.3	17.1	-10.8
36.0 to 40.9	4.6	3.5	29.9	81.6	73.0	11.8	17.9	20.8	-14.0
41.0 to 44.9	3.6	2.0	77.1	112.4	49.0	129.3	31.3	24.2	29.5
45.0 to 49.9	3.4	1.4	137.2	56.3	46.0	22.4	16.4	31.8	-48.4
50.0 to 54.9	3.8	3.6	5.9	118.2	120.0	-1.5	31.2	33.5	-7.0
55.0 to 59.9	4.5	6.3	-28.9	165.2	283.7	-41.7	36.9	45.1	-18.1
60.0 to 64.9	6.0	10.2	-41.2	360.5	744.5	-51.6	60.2	73.1	-17.6
65.0 to 69.9	9.5	7.1	34.3	856.9	742.6	15.4	89.9	104.7	-14.1
70.0 to 74.9	7.5	2.8	167.5	662.6	297.2	123.0	88.5	106.2	-16.7
75.0 to 79.9	2.2	N	N	234.2	N	N	107.4	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	11.2	13.9	-19.2	271.8	365.6	-25.7	24.2	26.3	-8.0
5 to 6.9	41.5	52.1	-20.3	1 748.4	2 676.7	-34.7	42.1	51.4	-18.1
7 to 8.9	19.1	22.9	-16.5	299.0	318.6	-6.1	15.6	13.9	12.4
9 to 10.9	14.3	22.9	-37.3	224.1	351.3	-36.2	15.6	15.4	1.7
11 to 12.9	9.0	7.9	14.4	143.5	120.5	19.1	15.9	15.3	4.1
13 to 14.9	3.1	3.1	-2	49.3	46.7	5.7	16.0	15.1	5.9
15 or more	3.1	5.2	-40.2	43.8	96.2	-54.5	14.2	18.6	-23.9
15 to 20.9	3.1	5.0	-37.8	43.8	91.3	-52.0	14.2	18.4	-22.8
21 to 24.9	V	V	N	V	V	N	V	V	N
25 or more	V	S	S	V	S	S	V	S	S
Not reported	25.1	7.9	215.7	919.6	113.9	707.6	36.7	14.3	155.8
Not applicable ²	3.3	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
MODEL YEAR									
2003	V	N	N	V	N	N	V	N	N
2002	3.9	N	N	260.2	N	N	66.2	N	N
2001	7.5	N	N	512.7	N	N	68.3	N	N
2000	12.7	N	N	766.5	N	N	60.6	N	N
1999	7.4	N	N	409.1	N	N	55.1	N	N
1998	6.7	S	S	324.3	S	S	48.7	S	S
1997	7.3	5.4	36.3	218.5	604.1	-63.8	29.8	112.3	-73.5
1996	5.2	7.3	-28.6	191.7	592.7	-67.6	36.5	80.7	-54.7
1995	7.1	9.8	-27.3	230.8	695.3	-66.8	32.4	71.1	-54.3
1994	6.5	7.5	-13.3	208.5	378.1	-44.9	31.9	50.2	-36.4
1993	3.7	3.7	.6	72.2	155.3	-53.5	19.3	41.8	-53.8
Pre-1993	61.6	101.3	-39.2	510.2	1 614.9	-68.4	8.3	15.9	-48.0
VEHICLE ACQUISITION									
New	56.1	48.4	15.8	2 222.1	2 188.4	1.5	39.6	45.2	-12.3
Used	66.7	74.0	-9.9	1 115.1	1 011.8	10.2	16.7	13.7	22.3
Not reported	7.0	13.4	-48.0	367.6	889.3	-58.7	52.6	66.3	-20.6
LEASE CHARACTERISTICS									
Leased	18.6	N	N	1 362.7	N	N	73.3	N	N
Lessee	8.2	N	N	597.2	N	N	73.0	N	N
Vehicle only	5.7	N	N	357.0	N	N	62.3	N	N
Vehicle with driver	2.4	N	N	240.2	N	N	98.3	N	N
Not reported	V	N	N	V	N	N	V	N	N
Lessor	9.6	N	N	719.9	N	N	74.8	N	N
Vehicle only	8.5	N	N	663.4	N	N	77.8	N	N
Vehicle with driver	1.0	N	N	55.9	N	N	53.4	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not reported	8	N	N	45.5	N	N	58.8	N	N
Not leased	73.7	N	N	1 727.7	N	N	23.5	N	N
Not reported	37.5	N	N	614.3	N	N	16.4	N	N
Length of leasing agreement:									
Leased	18.6	N	N	1 362.7	N	N	73.3	N	N
1 to 11 months	1.8	N	N	100.3	N	N	54.7	N	N
12 months or more	16.2	N	N	1 227.9	N	N	75.7	N	N
Not reported .....	.5	N	N	34.5	N	N	64.5	N	N
Provisions of lease ⁴ :									
Financing only	9.0	N	N	616.6	N	N	68.6	N	N
Full maintenance	5.6	N	N	383.0	N	N	68.4	N	N
Payment of taxes	10.6	N	N	837.1	N	N	79.0	N	N
Obtaining licenses and permits	10.7	N	N	936.5	N	N	87.4	N	N
Recordkeeping	4.0	N	N	299.9	N	N	74.3	N	N
Fuel contract	1.3	N	N	111.7	N	N	83.7	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	85.0	N	N	1 145.8	N	N	13.5	N	N
Motor carrier	21.2	N	N	1 301.8	N	N	61.4	N	N
Owner operator	13.6	N	N	995.8	N	N	73.4	N	N
Rental	4.9	N	N	248.1	N	N	51.0	N	N
Personal transportation	1.9	N	N	8.2	N	N	4.4	N	N
Not applicable ²	3.3	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	13.9	N	N	1 057.6	N	N	76.0	N	N
Common	14.4	N	N	772.7	N	N	53.7	N	N
Not reported	6.5	N	N	467.3	N	N	72.2	N	N
Not applicable ⁵	95.0	N	N	1 407.1	N	N	14.8	N	N
Type of service:									
Truckload	20.7	12.4	66.3	1 578.4	1 237.1	27.6	76.4	99.5	-23.3
Less-than truckload	7.3	3.7	97.9	264.4	224.0	18.0	36.3	60.9	-40.4
Not reported	6.8	N	N	454.8	N	N	66.8	N	N
Not applicable ⁵	95.0	N	N	1 407.1	N	N	14.8	N	N
Source of hauls:									
Shippers or receivers	21.9	N	N	1 572.5	N	N	71.9	N	N
Brokers	2.1	N	N	171.8	N	N	80.4	N	N
Centralized markets or exchanges .....	.7	N	N	22.3	N	N	31.0	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	10.0	N	N	531.0	N	N	52.9	N	N
Not applicable ⁵	95.0	N	N	1 407.1	N	N	14.8	N	N
HAZARDOUS MATERIALS CARRIED⁶									
Carrying hazardous materials	6.3	8.5	-26.1	374.3	539.8	-30.7	59.3	63.2	-6.2
Not carrying hazardous materials	97.0	110.0	-11.8	2 784.6	2 722.0	2.3	28.7	24.7	16.0
Not reported	16.4	17.3	-4.8	284.6	827.7	-65.6	17.3	47.9	-63.9
Not applicable ⁷	10.0	N	N	261.3	N	N	26.1	N	N
EQUIPMENT TYPE⁴									
Aerial work platform/bucket	3.4	N	N	42.1	N	N	12.3	N	N
Air bag(s) (safety device only)	15.5	10.6	47.1	663.7	768.5	-13.6	42.8	72.8	-41.3
Air compressor (except air brakes)	9.0	N	N	381.7	N	N	42.3	N	N
Air-conditioning	67.7	52.0	30.2	3 068.8	2 694.4	13.9	45.3	51.8	-12.5
Air springs	18.7	N	N	1 295.6	N	N	69.3	N	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
EQUIPMENT TYPE⁴—Con.									
Antilock brake system	38.2	16.5	131.6	2 165.8	840.4	157.7	56.8	51.0	11.3
Collision warning system	1.6	N	N	53.0	N	N	32.9	N	N
Computerized drive train control unit	3.7	N	N	166.3	N	N	44.5	N	N
Crane	3.1	N	N	53.2	N	N	17.4	N	N
Electronic vehicle identification device	1.5	3.8	-60.3	146.6	404.7	-63.8	96.0	105.3	-8.8
Engine retarder/brake	24.9	16.0	56.1	1 828.4	1 333.7	37.1	73.3	83.5	-12.2
Front-wheel drive	V	V	N	V	V	N	V	V	N
Hoist	22.7	N	N	191.6	N	N	8.4	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	5.1	N	N	471.8	N	N	92.7	N	N
Internet access	2.0	N	N	112.2	N	N	56.8	N	N
Lift gate	6.5	N	N	125.9	N	N	19.5	N	N
Mounting bar for snowplow	1.7	N	N	13.5	N	N	8.0	N	N
Navigational system .....	.8	1.7	-53.3	86.9	109.3	-20.5	106.9	62.9	70.0
Power take-off	37.6	N	N	911.5	N	N	24.2	N	N
Radial tires	73.4	80.7	-9.1	2 474.8	2 911.0	-15.0	33.7	36.1	-6.5
Reflective material in addition to those required by law	18.2	26.2	-30.6	946.8	1 053.3	-10.1	52.0	40.2	29.4
Road speed governor	33.9	35.5	-4.5	1 685.5	1 883.4	-10.5	49.7	53.0	-6.3
Toolbox	30.4	N	N	735.1	N	N	24.2	N	N
Trip recorder or on-board computer with communication capabilities	12.4	N	N	971.7	N	N	78.2	N	N
Trip recorder or on-board computer without communication capabilities	3.8	N	N	199.0	N	N	52.3	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	5.4	N	N	83.8	N	N	15.6	N	N
Transmission type:									
Automatic	24.3	N	N	511.0	N	N	21.1	N	N
Manual	95.3	N	N	2 773.8	N	N	29.1	N	N
Semiautomated manual	1.5	N	N	74.7	N	N	49.7	N	N
Automated manual	2.2	N	N	118.5	N	N	54.2	N	N
Not reported	6.5	N	N	226.7	N	N	34.8	N	N
Braking system:									
Hydraulic (standard)	36.6	33.5	9.3	539.6	428.3	26.0	14.7	12.8	15.3
Hydraulic with power assist	27.9	37.6	-25.8	355.1	405.3	-12.4	12.7	10.8	18.0
Air	58.2	57.8	.7	2 587.4	2 677.6	-3.4	44.4	46.3	-4.0
Other	V	1.5	N	V	S	S	V	S	S
Not reported	7.1	N	N	222.7	N	N	31.5	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	39.9	57.6	-30.7	309.7	453.6	-31.7	7.8	7.9	-1.5
Diesel	84.8	76.0	11.5	3 370.0	3 609.7	-6.6	39.8	47.5	-16.3
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.4	N	N	16.0	N	N	11.7	N	N
Alcohol fuels	S	N	N	S	N	N	S	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	3.3	N	N	S	N	N	S	N	N
Cylinders ⁸ :									
4 cylinders	2.3	1.4	64.7	48.3	30.1	60.3	21.1	21.7	-2.7
6 cylinders	68.1	56.3	21.1	3 100.8	3 266.2	-5.1	45.5	58.1	-21.6
8 cylinders	44.9	50.2	-10.7	451.4	575.4	-21.5	10.1	11.5	-12.1
Other	14.5	27.9	-48.2	104.2	217.8	-52.2	7.2	7.8	-7.7
Cubic inch displacement ⁸ :									
Gasoline fuel	39.9	57.6	-30.7	309.7	453.6	-31.7	7.8	7.9	-1.5
Less than 200	V	S	S	V	S	S	V	S	S
200 to 299	1.4	1.5	-6.4	35.4	33.0	6.3	26.0	26.0	0.0
300 to 349	1.6	1.2	38.0	21.1	17.1	23.4	12.9	11.3	13.3
350 to 399	14.3	17.0	-15.7	128.3	192.7	-33.4	8.9	11.3	-21.0
400 or more	9.5	8.8	7.5	97.5	119.9	-18.7	10.3	13.6	-24.4
Not available	13.1	28.7	-54.4	27.4	79.3	-65.5	2.1	2.8	-24.3
Diesel fuel	84.8	76.0	11.5	3 370.0	3 609.7	-6.6	39.8	47.5	-16.3
Less than 400	9.6	8.2	17.6	186.8	193.7	-3.6	19.4	23.7	-18.0
400 to 599	26.6	20.2	31.9	505.1	423.7	19.2	19.0	21.0	-9.6
600 to 799	18.3	14.0	30.4	998.8	1 011.4	-1.2	54.6	72.2	-24.3
800 or more	20.5	21.8	-6.1	1 171.0	1 516.6	-22.8	57.2	69.5	-17.7
Not available	9.8	11.9	-17.4	508.2	464.4	9.4	51.9	39.2	32.4
Other fuel	1.7	1.9	-9.4	20.0	26.1	-23.7	11.5	13.6	-15.8
Less than 400 .....	.5	S	S	S	S	S	S	S	S
400 or more	1.1	1.1	5.4	13.2	17.3	-23.3	11.6	15.9	-27.2
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	3.3	N	N	S	N	N	S	N	N
REFUELING LOCATION									
Gas station	57.3	N	N	809.0	N	N	14.1	N	N
Truck stop	30.0	N	N	1 903.4	N	N	63.5	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	31.7	N	N	780.7	N	N	24.6	N	N
Other company's/contractor's facility not open to the public	2.8	N	N	116.8	N	N	41.8	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	4.6	N	N	84.9	N	N	18.3	N	N
Not applicable ²	3.3	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
MAINTENANCE⁴									
General maintenance performed by:									
None performed	1.9	S	S	5.4	S	S	2.8	S	S
Company-owned maintenance facility	52.9	42.8	23.6	2 253.2	1 618.6	39.2	42.6	37.8	12.6
General repair business or private mechanic	41.1	34.9	17.7	1 439.5	1 093.4	31.7	35.1	31.3	11.9
Dealership service department	19.7	12.6	55.5	950.1	634.8	49.7	48.3	50.2	-3.8
Leasing company	1.1	1.8	-38.1	49.1	144.9	-66.1	43.1	78.7	-45.2
Individual not employed/paid by any maintenance type facility									
Other	32.4	52.0	-37.8	403.3	720.0	-44.0	12.5	13.8	-10.0
Not reported	4.5	11.3	-60.5	89.4	695.8	-87.1	20.1	61.6	-67.4
Not applicable ²	3.3	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed	98.0	3.1	3 095.0	2 767.4	61.1	4 429.2	28.2	19.9	41.8
Company-owned maintenance facility	6.6	16.7	-60.6	298.5	557.7	-46.5	45.2	33.3	35.8
General repair business or private mechanic	8.8	31.6	-72.1	244.1	856.7	-71.5	27.6	27.1	2.0
Dealership service department	5.6	21.3	-73.8	320.4	937.7	-65.8	57.3	44.0	30.2
Leasing company	S	1.1	S	S	81.8	S	S	71.6	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	4.4	10.1	-56.6	55.2	110.1	-49.9	12.6	10.9	15.5
Other	V	S	S	V	S	S	V	S	S
Not reported	V	53.8	N	V	1 464.3	N	V	27.2	N
Not applicable ²	3.3	N	N	S	N	N	S	N	N
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks and truck-tractors without trailer									
2 axles	85.9	92.2	-6.8	1 090.0	1 135.1	-4.0	12.7	12.3	3.0
3 axles	69.9	75.5	-7.3	876.3	885.0	-1.0	12.5	11.7	6.9
4 axles	14.4	14.9	-3.6	192.0	201.3	-4.6	13.4	13.5	-1.0
5 axles or more	1.3	1.8	-29.1	17.9	48.9	-63.4	14.1	27.3	-48.5
Not reported	S	N	S	S	N	N	S	N	N
Combinations	43.8	43.7	.4	2 614.8	2 954.4	-11.5	59.6	67.7	-11.9
Single-unit trucks with trailer	8.0	6.0	31.9	100.0	99.4	.6	12.6	16.5	-23.8
3 axles	1.3	S	S	26.0	S	S	19.5	S	S
4 axles	4.5	4.6	-1.3	50.3	69.6	-27.7	11.1	15.1	-26.8
5 axles or more	1.6	.8	93.4	17.0	22.0	-22.8	10.5	26.2	-60.1
Not reported	S	N	N	S	N	N	S	N	N
Truck-tractors with single trailer	35.9	37.6	-4.5	2 514.8	2 854.3	-11.9	70.1	76.0	-7.7
3 axles	1.6	2.0	-23.6	36.0	61.4	-41.4	23.1	30.2	-23.3
4 axles	2.1	3.5	-41.0	44.2	135.5	-67.3	21.5	38.9	-44.7
5 axles or more	29.9	32.1	-6.8	2 294.9	2 657.4	-13.6	76.8	82.9	-7.4
Not reported	2.4	N	N	139.7	N	N	58.8	N	N
Truck-tractors with double trailers	V	S	S	V	S	S	V	S	S
5 axles	V	V	N	V	V	N	V	V	N
6 axles	V	S	S	V	S	S	V	S	S
7 axles	V	V	N	V	V	N	V	V	N
8 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Truck-tractors with triple trailers	V	V	N	V	V	N	V	V	N
7 axles	V	V	N	V	V	N	V	V	N
8 axles	V	V	N	V	V	N	V	V	N
9 axles	V	V	N	V	V	N	V	V	N
10 axles or more	V	V	N	V	V	N	V	V	N
Not reported	V	N	N	V	N	N	V	N	N
Driving axles:									
1	75.6	87.9	-14.0	955.2	1 392.5	-31.4	12.6	15.8	-20.3
2	53.6	46.8	14.6	2 743.6	2 601.1	5.5	51.2	55.6	-8.0
3 or more .....	.3	1.1	-76.9	3.3	95.9	-96.6	12.5	83.7	-85.1
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations ⁹ :									
None	126.2	47.9	163.3	3 650.0	1 541.2	136.8	28.9	32.1	-10.0
1	3.1	3.3	-6.8	46.9	75.0	-37.4	15.4	22.9	-32.9
Forward of the drive axle	1.3	N	N	21.5	N	N	15.9	N	N
Below the chassis .....	.8	N	N	14.1	N	N	17.6	N	N
Beyond the chassis .....	.2	N	N	S	N	N	S	N	N
Not reported .....	.7	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	S	S
Forward of the drive axle	S	N	N	S	N	N	S	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 .....	.4	N	N	S	N	N	S	N	N
Total liftable axles and number of braking axles:									
None	126.2	47.9	163.3	3 650.0	1 541.2	136.8	28.9	32.1	-10.0
1	3.1	3.3	-6.8	46.9	75.0	-37.4	15.4	22.9	-32.9
0 braking .....	.3	N	N	S	N	N	S	N	N
1 braking	2.6	N	N	36.1	N	N	13.7	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	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	S	N	N	S	N	N	S	N	N
Not reported	V	N	N	V	N	N	V	N	N
Not reported .....	.4	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	120.2	115.9	3.7	3 434.5	3 639.0	-5.6	28.6	31.4	-9.0
With sleeper	21.6	N	N	1 923.2	N	N	88.9	N	N
Without sleeper	98.1	N	N	1 476.8	N	N	15.1	N	N
Not reported .....	.5	N	N	34.6	N	N	73.9	N	N
Cab over engine	9.2	12.7	-27.5	267.9	343.5	-22.0	29.1	27.1	7.5
With sleeper	2.1	N	N	135.3	N	N	64.8	N	N
Without sleeper	7.1	N	N	131.9	N	N	18.7	N	N
Not reported	S	N	N	S	N	N	S	N	N
Cab forward of engine	S	2.9	S	S	45.8	S	S	15.7	S
Cab beside engine	S	.2	S	S	S	S	S	S	S
Not reported	V	N	N	V	N	N	V	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 .....	.7	1.2	1.3	2.4	2.7	3.3	2.4	2.7	3.4
BUSINESS									
For-hire transportation or warehousing	4.3	5.3	11.0	4.2	5.2	8.8	3.3	3.3	3.8
Vehicle leasing or rental	14.5	25.2	37.8	14.3	25.4	67.6	8.5	18.9	37.1
Agriculture, forestry, fishing, or hunting	5.8	6.0	6.6	10.5	10.1	13.1	9.6	9.3	15.2
Mining	24.7	30.4	52.8	33.1	35.7	66.2	28.2	27.2	39.6
Utilities	15.5	16.2	16.9	21.5	21.5	26.1	15.6	13.8	23.7
Construction	6.4	6.8	7.8	8.8	9.0	8.7	6.6	6.9	8.0
Manufacturing	14.3	14.7	16.4	19.6	15.3	15.8	15.9	13.0	16.4
Wholesale trade	13.0	9.9	9.0	15.2	9.5	3.8	10.0	8.5	5.1
Retail trade	10.9	12.1	14.9	13.7	14.0	12.5	8.9	8.5	8.6
Information services	29.8	N	N	34.8	N	N	18.0	N	N
Waste management, landscaping, or administrative/support services	14.8	N	N	19.6	N	N	14.7	N	N
Arts, entertainment, or recreation services	39.6	N	N	S	N	N	S	N	N
Accommodation or food services	23.0	N	N	24.1	N	N	9.9	N	N
Other services	15.9	N	N	20.4	N	N	14.0	N	N
Personal transportation	26.1	16.0	9.0	43.7	47.1	11.9	35.2	43.8	35.3
Not reported	11.7	N	N	17.1	N	N	15.3	N	N
Not applicable ¹	17.8	23.6	37.1	S	S	S	S	S	S
BODY TYPE									
Single-unit trucks	1.2	1.8	2.1	4.2	5.3	6.5	4.0	4.9	6.4
Armored	N	N	N	N	N	N	N	N	N
Beverage	49.7	S	S	S	S	S	S	S	S
Concrete mixer	13.7	13.5	20.1	16.5	19.8	17.8	9.2	14.5	11.4
Concrete pumper	S	N	N	S	N	N	S	N	N
Crane	49.3	38.0	33.5	S	38.3	S	S	8.3	S
Curtainside	S	N	N	S	N	N	S	N	N
Dump	7.8	10.6	17.0	11.8	12.5	16.7	10.5	10.6	11.2
Flatbed, stake, or platform	5.8	5.3	5.3	11.3	10.7	8.7	9.8	9.4	11.2
Low boy	S	S	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe	32.7	37.3	28.1	39.3	43.9	23.8	21.8	37.0	30.6
Service, utility	13.9	23.0	51.4	18.6	34.1	86.5	12.1	24.2	31.6
Service, other	16.4	28.6	67.2	20.1	38.6	124.8	11.3	25.1	38.8
Street sweeper	S	N	N	S	N	N	S	N	N
Tank, dry bulk	29.9	S	S	39.7	S	S	31.2	S	S
Tank, liquids or gases	17.1	20.6	26.0	21.2	25.4	18.2	11.8	17.6	12.1
Tow/Wrecker	21.9	33.3	69.5	35.2	S	S	26.7	S	S
Trash, garbage, or recycling	19.7	24.6	34.1	26.2	27.7	39.0	20.8	16.2	24.8
Vacuum	S	N	N	S	N	N	S	N	N
Van, basic enclosed	9.5	12.3	16.0	12.4	16.8	23.4	8.4	11.5	15.5
Van, insulated nonrefrigerated	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated	23.5	33.3	59.0	29.4	35.0	63.7	15.9	12.1	19.3
Van, open top	15.8	13.8	11.3	29.8	25.1	28.1	24.7	22.1	44.6
Van, step, walk-in, or multistop	13.1	17.0	24.4	16.5	24.5	33.4	10.1	17.6	20.1
Van, other	27.8	N	N	32.1	N	N	16.6	N	N
Other	N	N	N	N	N	N	N	N	N
Truck-tractors	2.1	2.6	3.3	3.1	3.3	4.0	2.8	3.0	3.7
Automobile carrier	34.8	34.9	51.3	36.9	38.2	72.5	12.2	15.6	26.0
Beverage	32.0	40.4	75.6	39.2	42.7	113.1	21.8	24.2	43.3
Curtainside	S	N	N	S	N	N	S	N	N
Dump	15.0	19.2	30.7	22.5	22.0	30.7	16.9	14.8	17.4
Flatbed, stake, or platform	11.9	9.5	11.4	16.2	12.5	11.9	11.9	8.1	11.2
Livestock	31.2	44.2	112.9	40.2	49.6	70.4	25.5	22.4	17.9
Low boy	18.2	14.6	11.4	30.6	25.5	24.1	24.7	19.0	38.4
Mobile home toter	S	N	N	S	N	N	S	N	N
Open top	15.8	13.3	15.5	25.5	19.1	12.1	21.7	15.5	13.5
Pole, logging, pulpwood, or pipe	40.3	S	S	S	49.8	S	S	S	S
Tank, dry bulk	26.2	32.6	38.3	29.7	29.4	44.8	13.8	11.9	21.4
Tank, liquids or gases	18.0	16.9	22.5	20.2	19.2	25.9	9.0	9.2	13.1
Van, basic enclosed	5.2	6.2	9.2	6.1	6.5	9.9	3.4	3.3	4.7
Van, drop-frame	32.9	44.2	103.1	47.8	S	S	34.8	S	S
Van, insulated nonrefrigerated	S	40.3	S	S	41.0	S	S	7.5	S
Van, insulated refrigerated	7.6	7.7	11.4	8.3	8.5	8.9	3.2	3.6	3.5
Other	N	N	N	N	N	N	N	N	N
Not applicable ²	30.7	N	N	N	N	N	N	N	N
ANNUAL MILES									
Less than 5,000	4.7	5.1	5.9	6.4	6.9	7.5	4.6	4.8	6.2
5,000 to 9,999	7.0	8.6	11.1	7.2	8.9	11.9	1.7	1.9	2.7
10,000 to 19,999	6.4	7.9	11.0	6.6	8.0	11.3	1.6	1.7	2.3
20,000 to 29,999	8.4	9.2	11.2	8.4	9.2	11.2	1.1	1.2	1.6
30,000 to 49,999	8.5	10.5	13.7	8.4	10.6	13.8	1.3	1.7	2.2
50,000 to 74,999	10.3	11.6	14.8	10.4	11.7	15.2	1.3	1.6	2.1
75,000 or more	4.2	4.0	5.4	4.3	4.3	5.2	1.3	1.6	1.9
Not applicable ¹	17.8	25.6	50.5	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	16.7	14.6	11.3	25.3	27.7	39.2	21.1	24.1	65.3
50 miles or less	2.4	2.9	3.6	4.9	5.5	8.5	4.3	4.9	8.0
51 to 100 miles	8.0	8.5	8.7	9.9	9.9	10.3	7.1	6.6	9.6
101 to 200 miles	11.9	10.6	10.9	13.1	10.5	10.1	9.3	6.9	10.3
201 to 500 miles	11.5	10.7	10.1	11.4	9.7	11.6	7.5	7.5	12.7
501 miles or more	7.0	5.6	5.6	7.5	5.6	5.0	3.7	3.2	4.2
Not reported	7.0	25.6	211.7	7.6	N	N	6.6	N	N
Not applicable	17.8	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	3.9	N	N	3.5	N	N
Operated in states other than the home base state	5.8	N	N	5.9	N	N	3.7	N	N
Not reported	7.3	N	N	8.0	N	N	7.0	N	N
Not applicable ¹	17.8	N	N	S	N	N	S	N	N
MONTHS OPERATED									
12	2.6	N	N	3.3	N	N	2.8	N	N
7 to 11	6.2	N	N	8.1	N	N	6.8	N	N
2 to 6	5.8	N	N	10.7	N	N	10.1	N	N
1 or less	10.6	N	N	32.1	N	N	31.4	N	N
Vehicle not used	17.8	N	N	S	N	N	S	N	N
VEHICLE SIZE									
Light	9.6	8.2	7.2	13.2	15.9	12.3	9.2	13.6	17.3
Medium	6.2	6.6	7.3	9.4	11.0	12.0	7.1	8.8	11.6
Light-heavy	6.1	9.0	13.9	10.7	15.5	26.6	8.7	12.4	16.9
Heavy-heavy	2.1	2.7	3.6	2.8	3.0	3.7	3.0	3.3	3.8
AVERAGE WEIGHT (POUNDS)									
Less than 6,001	24.7	18.5	12.7	31.0	31.0	34.0	19.5	25.6	60.7
6,001 to 8,500	20.4	N	N	31.1	N	N	25.1	N	N
8,501 to 10,000	13.1	N	N	17.0	N	N	10.8	N	N
10,001 to 14,000	8.9	9.8	11.3	12.8	14.0	18.2	9.3	10.0	15.4
14,001 to 16,000	18.0	16.9	14.9	25.7	23.9	16.4	20.0	16.6	20.1
16,001 to 19,500	13.3	14.5	17.4	18.5	28.0	30.7	13.0	23.7	27.9
19,501 to 26,000	6.1	9.0	13.9	10.7	15.5	26.6	8.7	12.4	16.9
26,001 to 33,000	10.2	10.6	12.0	17.6	14.6	16.9	14.4	10.9	16.3
33,001 to 40,000	12.2	14.4	21.6	20.3	20.8	21.6	17.3	18.1	16.3
40,001 to 50,000	8.9	8.0	10.1	13.0	11.3	9.9	10.9	9.8	10.1
50,001 to 60,000	5.7	8.2	18.4	10.0	12.0	33.3	8.0	8.4	13.4
60,001 to 80,000	2.8	3.0	4.2	3.8	3.8	4.5	2.9	2.8	3.3
80,001 to 100,000	40.4	S	S	43.1	S	S	15.3	S	S
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	5.2	6.2	7.8	8.8	11.9	13.9	7.1	10.1	12.0
20.0 to 27.9	4.7	4.7	4.8	8.4	8.4	9.1	7.1	7.0	10.6
28.0 to 35.9	7.0	9.1	15.0	10.5	13.0	19.6	7.6	9.9	11.2
36.0 to 40.9	13.7	18.5	29.9	18.7	23.5	33.6	13.1	16.7	18.3
41.0 to 44.9	16.7	25.6	54.1	19.5	34.9	91.6	15.9	22.0	35.2
45.0 to 49.9	16.7	21.7	65.0	25.1	36.6	54.4	19.7	24.1	16.1
50.0 to 54.9	12.7	14.9	20.7	19.2	18.3	26.1	13.9	12.9	17.6
55.0 to 59.9	11.1	8.7	10.0	15.1	11.6	11.1	11.9	8.6	12.0
60.0 to 64.9	9.3	6.6	6.7	11.7	7.7	6.8	8.2	4.6	7.7
65.0 to 69.9	6.5	7.6	13.4	7.3	8.2	12.7	3.4	3.1	4.0
70.0 to 74.9	7.5	12.8	39.6	8.6	14.2	37.0	4.2	6.3	6.3
75.0 to 79.9	14.8	N	N	16.1	N	N	6.4	N	N
80.0 or more	S	N	N	S	N	N	S	N	N
MILES PER GALLON									
Less than 5	8.1	8.4	9.4	12.2	10.3	11.9	10.8	9.1	13.0
5 to 6.9	3.7	3.5	4.1	4.5	3.6	3.8	4.3	4.0	4.9
7 to 8.9	7.1	7.6	8.7	10.8	10.5	14.2	8.7	8.6	13.7
9 to 10.9	8.4	7.8	7.2	12.3	13.0	11.4	8.9	10.7	14.1
11 to 12.9	11.3	14.4	21.0	18.2	18.7	31.1	14.3	12.7	19.9
13 to 14.9	19.8	24.3	31.3	24.2	37.1	46.8	14.8	28.0	33.5
15 or more	19.8	18.3	16.1	24.6	24.2	15.7	14.4	15.0	15.8
15 to 20.9	19.8	18.7	16.9	24.6	25.0	16.8	14.4	15.8	16.5
21 to 24.9	N	N	N	N	N	N	N	N	N
25 or more	N	S	S	N	S	S	N	S	S
Not reported	5.6	14.7	49.7	6.5	26.8	222.8	5.6	22.3	58.9
Not applicable ¹	17.8	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	N	N	N	N	N	N	N	N	N
2002	14.6	N	N	14.6	N	N	11.7	N	N
2001	10.5	N	N	10.8	N	N	7.6	N	N
2000	8.1	N	N	8.0	N	N	6.1	N	N
1999	10.9	N	N	10.8	N	N	7.9	N	N
1998	11.5	S	S	12.0	S	S	9.3	S	S
1997	11.4	11.6	22.2	12.7	11.0	6.1	10.0	7.7	3.3
1996	13.0	11.6	12.5	14.6	10.6	5.8	11.3	8.6	6.4
1995	11.1	10.9	11.3	12.7	9.4	5.2	9.0	7.7	5.4
1994	11.4	12.6	14.7	14.3	11.5	10.1	10.9	9.3	9.1
1993	15.7	17.7	23.8	19.9	16.9	12.1	14.4	14.9	9.6
Pre-1993	3.0	2.0	2.2	6.3	4.4	2.4	5.7	4.1	3.6
VEHICLE ACQUISITION									
New	3.3	4.3	6.3	4.1	4.7	6.3	3.4	4.3	4.8
Used	2.8	3.2	3.8	5.0	6.1	8.7	4.7	5.5	8.8
Not reported	10.8	8.0	7.0	11.9	7.5	5.8	9.6	6.5	9.2
LEASE CHARACTERISTICS									
Leased	5.5	N	N	5.6	N	N	3.9	N	N
Lessee	8.8	N	N	9.4	N	N	6.7	N	N
Vehicle only	11.3	N	N	12.3	N	N	9.2	N	N
Vehicle with driver	14.0	N	N	15.5	N	N	6.5	N	N
Not reported	N	N	N	N	N	N	N	N	N
Lessor	8.0	N	N	8.0	N	N	4.9	N	N
Vehicle only	8.7	N	N	8.5	N	N	5.1	N	N
Vehicle with driver	22.0	N	N	27.2	N	N	16.2	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not leased	35.1	N	N	33.6	N	N	21.9	N	N
Not reported	2.5	N	N	4.4	N	N	4.0	N	N
Not reported	4.5	N	N	7.3	N	N	6.3	N	N
Length of leasing agreement:									
Leased	5.5	N	N	5.6	N	N	3.9	N	N
1 to 11 months	18.4	N	N	19.8	N	N	13.0	N	N
12 months or more	6.0	N	N	6.0	N	N	4.1	N	N
Not reported	41.9	N	N	39.6	N	N	27.6	N	N
Provisions of lease:									
Financing only	8.6	N	N	8.7	N	N	6.1	N	N
Full maintenance	11.4	N	N	11.4	N	N	7.0	N	N
Payment of taxes	7.9	N	N	7.7	N	N	5.0	N	N
Obtaining licenses and permits	7.5	N	N	7.2	N	N	4.4	N	N
Recordkeeping	13.0	N	N	13.6	N	N	8.9	N	N
Fuel contract	21.0	N	N	22.1	N	N	11.2	N	N
PRIMARY OPERATOR CLASSIFICATION									
Private	2.0	N	N	4.4	N	N	4.0	N	N
Motor carrier	5.5	N	N	5.9	N	N	4.6	N	N
Owner operator	6.1	N	N	6.6	N	N	4.4	N	N
Rental	14.0	N	N	13.8	N	N	8.4	N	N
Personal transportation	26.1	N	N	43.7	N	N	35.2	N	N
Not applicable ¹	17.8	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract	6.3	N	N	6.7	N	N	4.8	N	N
Common	6.7	N	N	7.5	N	N	5.4	N	N
Not reported	10.7	N	N	10.9	N	N	7.9	N	N
Not applicable ³	1.6	N	N	4.2	N	N	3.8	N	N
Type of service:									
Truckload	4.6	6.0	12.5	5.1	6.2	10.2	3.7	3.2	3.8
Less-than truckload	10.8	15.3	37.0	11.6	14.6	22.1	7.1	9.8	7.2
Not reported	10.8	N	N	11.0	N	N	8.1	N	N
Not applicable ³	1.6	N	N	4.2	N	N	3.8	N	N
Source of hauls:									
Shippers or receivers	4.8	N	N	5.0	N	N	3.7	N	N
Brokers	15.1	N	N	17.3	N	N	8.4	N	N
Centralized markets or exchanges	30.5	N	N	38.4	N	N	18.2	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	8.9	N	N	9.9	N	N	7.7	N	N
Not applicable ³	1.6	N	N	4.2	N	N	3.8	N	N
HAZARDOUS MATERIALS CARRIED⁴									
Carrying hazardous materials	11.3	10.8	11.6	11.9	10.1	10.8	9.3	8.1	11.5
Not carrying hazardous materials	1.8	1.8	2.3	3.1	3.4	4.7	3.0	3.2	5.1
Not reported	7.8	8.8	11.2	11.3	9.7	5.1	9.7	9.7	5.0
Not applicable ⁵	9.9	N	N	13.2	N	N	11.0	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	18.8	N	N	25.3	N	N	16.2	N	N
Air bag(s) (safety device only)	7.4	8.5	16.7	8.0	8.2	9.9	6.1	6.6	5.3
Air compressor (except air brakes)	9.1	N	N	10.9	N	N	8.9	N	N
Air-conditioning	2.6	3.6	5.7	2.9	3.5	5.1	2.7	3.2	3.7
Air springs	4.4	N	N	5.4	N	N	3.8	N	N
Antilock brake system	4.1	8.5	21.9	4.0	7.7	22.4	3.4	6.9	8.6
Collision warning system	25.7	N	N	25.8	N	N	14.3	N	N
Computerized drive train control unit	15.7	N	N	17.4	N	N	12.3	N	N
Crane	19.1	N	N	24.4	N	N	15.6	N	N
Electronic vehicle identification device	20.7	11.7	9.4	22.3	11.5	9.1	14.4	5.2	13.9
Engine retarder/brake	3.5	5.1	9.6	4.3	5.7	9.7	3.1	3.6	4.2
Front-wheel drive	N	N	N	N	N	N	N	N	N
Hoist	6.3	N	N	10.5	N	N	9.0	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	10.2	N	N	10.3	N	N	5.3	N	N
Internet access	15.7	N	N	18.5	N	N	9.7	N	N
Lift gate	13.2	N	N	17.0	N	N	10.9	N	N
Mounting bar for snowplow	27.8	N	N	44.6	N	N	34.5	N	N
Navigational system	28.2	23.7	17.2	29.7	21.7	29.3	20.1	20.8	49.2
Power take-off	4.3	N	N	6.4	N	N	5.7	N	N
Radial tires	2.5	2.7	3.4	3.5	3.3	4.1	3.2	3.1	4.2
Reflective material in addition to those required by law	6.3	6.3	6.2	6.8	6.8	8.7	5.6	6.0	10.6
Road speed governor	4.3	4.6	6.0	4.8	4.5	5.9	4.2	4.2	5.5
Toolbox	5.2	N	N	6.9	N	N	5.6	N	N
Trip recorder or on-board computer with communication capabilities	6.9	N	N	6.9	N	N	4.8	N	N
Trip recorder or on-board computer without communication capabilities	13.8	N	N	15.7	N	N	12.1	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	14.4	N	N	20.7	N	N	15.7	N	N
Transmission type:									
Automatic	6.2	N	N	8.7	N	N	6.9	N	N
Manual	1.8	N	N	3.1	N	N	3.0	N	N
Semiautomated manual	22.1	N	N	25.7	N	N	21.4	N	N
Automated manual	14.9	N	N	17.2	N	N	8.6	N	N
Not reported	12.2	N	N	15.0	N	N	12.4	N	N
Braking system:									
Hydraulic (standard)	4.6	6.1	8.4	7.3	11.6	17.2	5.8	10.1	13.4
Hydraulic with power assist	5.6	5.5	5.9	10.0	9.4	12.0	8.4	7.7	13.4
Air	2.3	2.7	3.6	3.2	3.2	4.4	3.2	3.2	4.3
Other	N	35.2	N	N	S	S	N	S	S
Not reported	11.9	N	N	14.9	N	N	12.0	N	N
FUEL TYPE AND ENGINE SIZE									
Fuel type:									
Gasoline	4.2	3.7	3.9	8.4	10.0	8.9	7.3	9.3	11.6
Diesel	2.0	2.7	3.7	2.6	2.9	3.7	2.6	2.9	3.3
Natural gas	N	N	N	N	N	N	N	N	N
Propane	31.3	N	N	35.5	N	N	16.8	N	N
Alcohol fuels	S	N	N	S	N	N	S	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	17.8	N	N	S	N	N	S	N	N
Cylinders ⁶ :									
4 cylinders	16.0	25.2	49.2	20.0	26.5	53.2	11.7	15.9	19.2
6 cylinders	2.4	3.3	4.9	2.8	3.2	4.1	2.8	3.2	3.4
8 cylinders	3.7	4.2	5.0	6.8	7.9	8.2	5.7	6.6	7.7
Other	8.0	6.3	5.3	17.7	10.9	10.0	16.6	10.8	18.3
Cubic inch displacement ⁶ :									
Gasoline fuel									
Less than 200	N	S	S	N	S	S	N	S	S
200 to 299	31.3	41.8	48.9	38.1	S	S	21.7	S	S
300 to 349	28.5	37.8	65.4	39.5	S	S	27.3	S	S
350 to 399	8.8	9.6	11.0	12.9	16.3	13.9	9.4	13.1	12.8
400 or more	11.2	13.9	19.2	15.5	18.8	19.8	10.7	12.8	12.6
Not available	9.2	6.7	5.2	21.3	13.3	8.7	19.1	11.7	17.0
Diesel fuel									
Less than 400	2.0	2.7	3.7	2.6	2.9	3.7	2.6	2.9	3.3
400 to 599	10.4	13.7	20.2	13.2	16.4	20.3	8.3	9.3	10.2
600 to 799	5.8	8.6	13.7	8.4	11.1	16.6	6.1	7.0	8.4
800 or more	4.8	5.9	10.0	6.2	7.6	9.6	4.5	6.0	5.7
Not available	4.1	3.9	5.3	5.7	5.0	5.9	4.4	3.5	4.7
Other fuel	7.1	7.1	8.3	10.3	10.3	15.9	8.1	9.1	16.2
Less than 400	27.1	30.7	37.1	32.8	39.5	39.2	17.1	22.7	24.0
400 or more	49.7	S	S	S	S	S	S	S	S
Not available	33.7	40.8	55.8	41.2	45.4	47.0	22.5	13.3	19.0
Not reported	S	N	S	S	S	N	S	N	N
Not applicable ¹	17.8	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	3.1	N	N	6.2	N	N	5.4	N	N
Truck stop	3.9	N	N	4.2	N	N	3.7	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	4.8	N	N	6.8	N	N	5.6	N	N
Other company's/contractor's facility not open to the public	17.6	N	N	20.7	N	N	16.7	N	N
Other	S	N	N	S	N	N	S	N	N
Not reported	15.1	N	N	20.2	N	N	15.2	N	N
Not applicable ¹	17.8	N	N	S	N	N	S	N	N
MAINTENANCE									
General maintenance performed by:									
None performed	24.5	S	S	38.0	S	S	30.1	S	S
Company-owned maintenance facility	3.3	4.6	6.9	3.9	5.2	9.0	3.4	4.5	6.4
General repair business or private mechanic	4.1	5.6	8.1	5.1	6.7	11.1	4.5	6.1	8.5
Dealership service department	6.3	9.4	17.5	7.0	9.1	17.2	5.8	7.5	9.1
Leasing company	26.6	20.7	20.9	29.5	19.4	12.0	19.2	11.2	12.2
Individual not employed/paid by any maintenance type facility:									
Other	5.0	4.3	4.1	9.9	7.3	6.9	9.1	6.7	10.1
Not reported	N	S	S	N	S	S	N	S	S
Not applicable ¹	15.8	11.1	7.6	20.7	10.8	3.0	16.4	11.0	6.4
Extensive repairs performed by:									
None performed	1.7	20.7	663.0	3.1	26.3	1 201.0	2.9	26.4	37.6
Company-owned maintenance facility	11.7	8.1	5.6	14.0	9.1	8.9	11.6	7.4	18.7
General repair business or private mechanic	9.9	5.9	3.2	12.7	6.9	4.1	11.0	6.2	12.9
Dealership service department	11.9	6.9	3.6	13.4	7.1	5.2	10.9	6.0	16.2
Leasing company	S	29.4	S	S	27.1	S	S	17.0	S
Component distributorship (engine, transmission, body, etc.)									
Individual not employed/paid by any repair type facility	44.8	11.7	2.7	S	11.6	S	S	9.0	S
Other	N	S	S	N	S	S	N	S	S
Not reported	N	4.2	N	N	6.4	N	N	6.1	N
Not applicable ¹	17.8	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	2.1	2.4	4.5	5.6	6.9	4.2	5.2	6.8
3 axles	1.9	2.6	3.0	5.2	6.9	8.6	4.8	6.3	8.5
4 axles	5.2	6.8	8.2	9.5	9.2	12.6	8.3	8.0	11.4
5 axles or more	19.8	18.9	19.4	24.1	25.7	12.9	13.8	14.4	10.3
Not reported	S	N	N	S	N	N	S	N	N
Combinations:									
Single-unit trucks with trailer:	2.7	3.2	4.2	3.1	3.3	4.0	3.1	3.4	4.1
3 axles	11.8	17.7	28.1	18.1	21.6	28.4	13.8	15.3	15.7
4 axles	30.9	S	S	47.7	S	S	35.9	S	S
5 axles or more	16.7	20.9	26.4	23.9	26.1	25.6	17.1	17.2	17.8
Not reported	21.0	42.5	91.6	28.3	48.5	43.3	23.3	44.5	20.1
Truck-tractors with single trailer:	S	N	N	S	N	N	S	N	N
3 axles	2.2	2.6	3.2	3.1	3.3	4.0	2.7	3.0	3.7
4 axles	21.6	22.6	23.9	33.7	29.0	26.1	22.6	19.9	23.1
5 axles or more	18.7	15.9	14.5	22.1	20.4	9.8	15.7	13.6	11.5
Not reported	2.5	2.6	3.3	3.5	3.5	4.3	2.6	2.9	3.6
Truck-tractors with double trailers:	15.0	N	N	18.0	N	N	10.8	N	N
5 axles	N	S	S	N	S	S	N	S	S
6 axles	N	S	S	N	S	S	N	S	S
7 axles	N	N	N	N	N	N	N	N	N
8 axles or more	N	N	N	N	N	N	N	N	N
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	1.7	2.1	2.3	5.1	5.5	5.1	4.7	5.0	5.5
2	2.0	2.8	3.9	2.9	3.6	4.9	2.8	3.6	4.2
3 or more	44.1	25.3	11.8	48.4	25.6	1.9	20.0	15.2	3.7
Not reported	44.2	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.8	4.3	11.4	2.5	5.2	13.7	2.4	4.9	4.9
1	14.9	18.2	22.0	21.3	20.9	18.7	17.6	17.3	16.6
Forward of the drive axle	20.9	N	N	26.3	N	N	18.7	N	N
Below the chassis	31.6	N	N	43.6	N	N	36.1	N	N
Beyond the chassis	49.4	N	N	S	N	N	S	N	N
Not reported	34.9	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	S	S
Forward of the drive axle	S	N	N	S	N	N	S	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	37.3	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 .....	.8	4.3	11.4	2.5	5.2	13.7	2.4	4.9	4.9
1	14.9	18.2	22.0	21.3	20.9	18.7	17.6	17.3	16.6
0 braking	40.3	N	N	S	N	N	S	N	N
1 braking	16.5	N	N	22.6	N	N	18.4	N	N
Not reported	S	N	N	S	N	N	S	N	N
2 or more	S	S	S	S	S	S	S	S	S
0 braking	N	N	N	N	N	N	N	N	N
1 braking	N	N	N	N	N	N	N	N	N
2 or more braking	N	N	N	S	N	N	S	N	N
Not reported	N	N	N	N	N	N	N	N	N
Not reported	37.3	N	N	S	N	N	S	N	N
CAB TYPE									
Conventional cab	1.0	1.7	2.1	2.6	2.9	3.7	2.5	2.9	3.5
With sleeper	3.4	N	N	4.2	N	N	2.5	N	N
Without sleeper	1.3	N	N	4.1	N	N	3.8	N	N
Not reported	32.9	N	N	37.6	N	N	18.5	N	N
Cab over engine	8.7	9.1	9.2	12.2	13.2	14.0	9.7	9.6	14.6
With sleeper	15.4	N	N	20.5	N	N	13.9	N	N
Without sleeper	10.5	N	N	13.1	N	N	8.5	N	N
Not reported	S	N	N	S	N	N	S	N	N
Cab forward of engine	S	22.3	S	S	28.5	S	S	19.3	S
Cab beside engine	S	49.4	S	S	S	S	S	S	S
Not reported	N	N	N	N	N	N	N	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	1 739.5	1 571.7	71.1	28.1	68.6	X
Coefficient of variation (percent) .....	.9	1.2	17.3	13.1	2.1	X
BUSINESS¹						
For-hire transportation or warehousing	30.8	S	3.0	2.7	21.1	11.8
Vehicle leasing or rental	7.8	S	.7	1.4	2.2	43.4
Agriculture, forestry, fishing, or hunting	102.5	58.7	20.5	8.7	14.6	15.0
Mining	S	S	S	S	1.1	S
Utilities	15.0	S	.8	1.7	1.7	39.2
Construction	98.4	76.9	7.6	3.0	11.0	16.2
Manufacturing	18.0	13.7	.7	.7	2.8	37.9
Wholesale trade	12.6	S	.8	1.3	2.7	39.2
Retail trade	26.2	18.2	2.5	3.3	2.2	29.3
Information services	S	S	S	S	S	S
Waste management, landscaping, or administrative/support services	14.7	S	1.0	.7	2.7	39.9
Arts, entertainment, or recreation services .....	.8	S	.5	V	S	39.6
Accommodation or food services	S	S	.8	S	.5	S
Other services	69.6	66.1	2.5	.8	.6	20.9
Personal transportation	1 283.8	1 255.7	27.3	.5	S	2.5
Not reported	13.9	S	1.4	1.6	3.4	35.0
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
BODY TYPE						
Single-unit trucks	1 702.9	1 571.7	71.1	27.6	32.5	.9
Pickup	934.5	884.4	46.7	S	S	1.1
Minivan	221.5	221.5	V	V	V	10.5
Other light vans	72.8	72.8	V	V	V	20.7
Sport utility	380.8	380.8	V	V	V	6.7
Armored	V	V	V	V	V	N
Beverage .....	.5	V	S	S	S	49.7
Concrete mixer	2.5	V	V	V	2.5	13.7
Concrete pumper	S	V	V	V	S	S
Crane .....	.3	V	V	V	S	49.3
Curtainside	S	V	V	V	S	S
Dump	13.8	.5	1.5	2.3	9.5	7.8
Flatbed, stake, or platform	26.7	4.0	7.6	6.8	8.4	5.8
Low boy	S	V	S	V	S	S
Pole, logging, pulpwood, or pipe .....	.5	V	V	V	.5	32.7
Service, utility	6.3	1.9	1.0	1.6	1.9	13.9
Service, other	4.6	1.1	2.4	1.1	S	16.4
Street sweeper	S	S	V	V	V	S
Tank, dry bulk	1.3	V	S	.5	.6	29.9
Tank, liquids or gases	3.7	V	S	1.6	2.0	17.1
Tow/Wrecker	2.6	S	1.3	.7	.5	21.9
Trash, garbage, or recycling	2.3	S	S	.5	1.4	19.7
Vacuum	S	V	V	V	S	S
Van, basic enclosed	11.8	1.3	5.0	4.6	1.0	9.5
Van, insulated nonrefrigerated	S	S	S	V	V	S
Van, insulated refrigerated	2.1	S	S	.7	.9	23.5
Van, open top	4.5	V	.5	1.3	2.7	15.8
Van, step, walk-in, or multistop	7.1	2.0	3.4	1.6	V	13.1
Van, other	1.7	.7	.6	S	V	27.8
Other	V	V	V	V	V	N
Truck-tractors	36.6	V	V	.5	36.1	2.1
Automobile carrier .....	.4	V	V	V	.4	34.8
Beverage .....	.9	V	V	V	.9	32.0
Curtainside	S	V	V	V	S	S
Dump	2.2	V	V	V	2.2	15.0
Flatbed, stake, or platform	3.6	V	V	S	3.5	11.9
Livestock .....	.5	V	V	V	.5	31.2
Low boy	1.5	V	V	V	1.5	18.2
Mobile home toter	S	V	V	V	S	S
Open top	2.4	V	V	V	2.4	15.8
Pole, logging, pulpwood, or pipe .....	.3	V	V	V	.3	40.3
Tank, dry bulk .....	.7	V	V	V	.7	26.2
Tank, liquids or gases	1.5	V	V	V	1.5	18.0
Van, basic enclosed	13.8	V	V	S	13.8	5.2
Van, drop-frame .....	.5	V	V	V	.5	32.9
Van, insulated nonrefrigerated	S	V	V	V	S	S
Van, insulated refrigerated	7.2	V	V	V	7.2	7.6
Other	V	V	V	V	V	N
Not applicable ³ .....	.7	V	V	S	.4	30.7
ANNUAL MILES						
Less than 5,000	304.3	263.0	17.2	8.4	15.7	9.0
5,000 to 9,999	351.2	335.3	3.7	3.4	8.7	8.6
10,000 to 19,999	677.4	631.9	32.1	5.4	8.0	5.4
20,000 to 29,999	210.7	194.8	7.3	3.3	5.2	11.6
30,000 to 49,999	128.0	106.2	9.5	S	6.3	15.0
50,000 to 74,999	16.5	S	.8	S	5.0	35.9
75,000 or more	21.3	S	V	S	17.6	16.0
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
PRIMARY RANGE OF OPERATION						
Off-the-road	23.5	13.7	S	.8	1.9	34.5
50 miles or less	1 202.4	1 115.1	35.9	20.0	31.4	2.9
51 to 100 miles	199.6	180.7	9.9	1.9	7.0	11.8
101 to 200 miles	64.0	55.3	S	.6	3.5	21.6
201 to 500 miles	25.7	20.5	S	.7	4.2	32.3
501 miles or more	35.8	23.6	S	S	8.7	26.4
Not reported	158.3	136.0	S	3.1	9.9	13.3
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
PRIMARY JURISDICTION						
Operated in Canada.....	V	V	V	V	V	N
Operated in Mexico.....	V	V	V	V	V	N
Operated within the home base state.....	1 531.6	1 405.4	57.9	23.4	45.0	1.7
Operated in states other than the home base state.....	37.9	24.3	.3	.6	12.7	23.6
Not reported.....	139.8	115.3	12.3	3.2	9.0	14.1
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
MONTHS OPERATED						
12.....	1 225.0	1 116.9	55.9	16.2	36.0	2.9
7 to 11.....	253.7	228.7	S	3.5	12.5	10.3
2 to 6.....	194.3	171.3	2.8	5.7	14.5	11.8
1 or less.....	36.3	27.9	2.8	1.9	3.8	26.1
Vehicle not used.....	30.1	26.8	.5	.8	1.9	31.3
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	1 182.5	1 182.5	N	N	N	2.9
6,001 to 8,500.....	320.9	320.9	N	N	N	9.2
8,501 to 10,000.....	68.3	68.3	N	N	N	20.7
10,001 to 14,000.....	57.2	N	57.2	N	N	20.7
14,001 to 16,000.....	3.8	N	3.8	N	N	18.0
16,001 to 19,500.....	10.2	N	10.2	N	N	33.9
19,501 to 26,000.....	28.1	N	N	28.1	N	13.1
26,001 to 33,000.....	10.7	N	N	N	10.7	10.2
33,001 to 40,000.....	6.9	N	N	N	6.9	12.1
40,001 to 50,000.....	8.9	N	N	N	8.9	8.9
50,001 to 60,000.....	12.8	N	N	N	12.8	5.7
60,001 to 80,000.....	29.0	N	N	N	29.0	2.8
80,001 to 100,000.....	.3	N	N	N	.3	40.4
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.....	1 445.8	1 408.9	23.8	8.2	4.9	1.9
20.0 to 27.9.....	162.8	118.0	21.4	8.6	14.8	12.2
28.0 to 35.9.....	75.5	44.7	16.7	5.5	8.5	17.8
36.0 to 40.9.....	11.3	V	S	S	2.9	42.1
41.0 to 44.9.....	3.6	V	1.0	.5	2.1	16.7
45.0 to 49.9.....	3.6	V	S	.5	2.6	16.5
50.0 to 54.9.....	7.1	V	S	S	3.5	47.2
55.0 to 59.9.....	4.5	V	S	V	4.2	11.1
60.0 to 64.9.....	6.0	V	S	S	5.8	9.3
65.0 to 69.9.....	9.5	V	V	V	9.5	6.5
70.0 to 74.9.....	7.5	V	V	V	7.5	7.5
75.0 to 79.9.....	2.2	V	V	V	2.2	14.8
80.0 or more.....	S	V	V	V	S	S
MILES PER GALLON						
Less than 5.....	11.2	S	1.0	1.9	8.1	8.1
5 to 6.9.....	45.0	S	2.9	5.9	31.9	8.2
7 to 8.9.....	59.5	42.0	4.8	5.7	7.0	19.5
9 to 10.9.....	98.6	81.1	11.4	3.4	2.7	16.6
11 to 12.9.....	137.2	116.4	14.7	S	1.2	14.6
13 to 14.9.....	148.5	143.6	S	S	S	14.2
15 or more.....	974.5	952.6	21.1	S	.4	3.8
15 to 20.9.....	780.7	758.8	21.1	S	4.4	4.8
21 to 24.9.....	129.5	129.5	V	V	V	15.6
25 or more.....	64.3	64.3	V	V	V	22.5
Not reported.....	235.0	204.8	10.5	4.7	15.1	10.6
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
MODEL YEAR						
2003.....	V	V	V	V	V	N
2002.....	106.6	99.7	.6	S	2.3	16.9
2001.....	109.3	95.2	S	1.3	4.4	16.5
2000.....	166.5	154.7	2.4	1.8	7.6	13.0
1999.....	116.3	102.9	S	1.6	4.2	16.0
1998.....	84.6	78.4	1.2	1.4	3.6	18.8
1997.....	112.3	102.3	S	1.6	3.3	16.3
1996.....	89.8	85.1	.5	.7	3.4	18.4
1995.....	147.0	133.8	S	.6	4.1	14.2
1994.....	117.8	111.9	.7	1.5	3.6	15.9
1993.....	78.8	75.8	.7	.5	1.8	19.8
Pre-1993.....	610.4	531.7	35.3	13.0	30.4	5.6
VEHICLE ACQUISITION						
New.....	721.4	644.1	35.3	14.4	27.5	5.1
Used.....	926.5	842.5	35.0	12.5	36.5	4.1
Not reported.....	91.6	85.1	.8	1.1	4.6	18.1
LEASE CHARACTERISTICS						
Leased.....	56.3	38.2	1.5	2.0	14.6	20.0
Lessee.....	42.5	34.7	S	1.1	6.3	25.2
Vehicle only.....	5.7	S	S	1.1	3.8	11.3
Vehicle with driver.....	2.4	V	V	V	2.4	14.0
Not reported.....	V	V	V	V	V	N
Not applicable ⁴	34.4	34.4	V	V	V	31.2
Lessor.....	13.0	S	.8	.8	7.9	26.4
Vehicle only.....	8.5	S	.8	.8	6.8	8.7
Vehicle with driver.....	1.0	V	V	V	1.0	22.0
Not reported.....	S	V	V	V	S	S
Not applicable ⁴	S	S	V	V	V	S
Not reported.....	.8	V	S	S	.4	35.1
Not leased.....	965.7	869.0	42.0	18.0	36.6	3.9
Not reported.....	717.5	664.5	27.6	8.0	17.4	5.2

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	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	56.3	38.2	1.5	2.0	14.6	20.0
1 to 11 months	1.8	S	V	V	1.7	18.4
12 months or more	16.2	S	1.4	1.8	12.6	6.0
Not reported	.5	V	S	S	.3	41.9
Not applicable ⁴	37.7	37.7	V	V	V	29.8
Provisions of lease ⁵ :						
Financing only	9.0	.5	.9	1.2	6.3	8.6
Full maintenance	5.6	V	S	.7	4.4	11.4
Payment of taxes	10.6	S	.7	1.6	8.3	7.9
Obtaining licenses and permits	10.7	S	.6	1.1	8.8	7.5
Recordkeeping	4.0	V	S	S	3.2	13.0
Fuel contract	1.3	V	S	V	1.1	21.0
PRIMARY OPERATOR CLASSIFICATION						
Private	372.3	274.9	39.0	21.8	36.6	7.6
Motor carrier	24.7	S	3.0	2.6	15.1	14.8
Owner operator	20.4	S	.5	.7	12.2	23.9
Rental	8.2	S	.7	1.6	2.4	41.5
Personal transportation	1 283.8	1 255.7	27.3	.5	S	2.5
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
For-hire characteristics:						
Type of carrier:						
Contract	13.9	S	.8	1.6	11.4	6.3
Common	14.4	V	1.6	1.3	11.5	6.7
Not reported	6.5	S	1.1	S	4.5	10.7
Not applicable ⁶	1 704.7	1 571.1	67.5	24.8	41.2	.9
Type of service:						
Truckload	20.7	S	.8	1.0	18.7	4.6
Less-than truckload	7.3	V	1.4	1.6	4.4	10.8
Not reported	6.8	S	1.4	.7	4.3	10.8
Not applicable ⁶	1 704.7	1 571.1	67.5	24.8	41.2	.9
Source of hauls:						
Shippers or receivers	21.9	S	1.6	1.9	18.3	4.8
Brokers	2.1	V	V	V	2.1	15.1
Centralized markets or exchanges	.7	V	S	V	.6	30.5
Other	V	V	V	V	V	N
Not reported	10.0	S	1.8	1.4	6.4	8.9
Not applicable ⁶	1 704.7	1 571.1	67.5	24.8	41.2	.9
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	6.3	V	S	1.2	4.7	11.3
Not carrying hazardous materials	97.0	8.8	17.7	16.6	54.0	1.8
Not reported	16.4	2.8	4.5	4.0	5.2	7.8
Not applicable ⁸	1 619.7	1 560.1	48.5	S	4.8	.9
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	3.4	V	.5	1.5	1.4	18.8
Air bag(s) (safety device only)	917.3	877.0	27.1	S	8.1	4.0
Air compressor (except air brakes)	9.0	S	1.0	1.1	6.6	9.1
Air-conditioning	1 418.4	1 311.8	52.0	11.7	42.9	2.1
Air springs	18.7	S	S	S	18.3	4.4
Antilock brake system	939.1	877.7	30.5	7.6	23.3	4.0
Collision warning system	1.6	V	.7	S	.5	25.7
Computerized drive train control unit	211.8	205.4	S	.5	1.9	11.7
Crane	3.1	V	.7	1.0	1.4	19.1
Electronic vehicle identification device	1.5	S	S	V	1.3	20.7
Engine retarder/brake	24.9	S	.6	.5	23.7	3.5
Front-wheel drive	783.7	746.9	33.3	S	S	4.8
Hoist	22.7	.7	3.5	5.8	12.7	6.3
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	5.1	S	V	S	4.6	10.2
Internet access	2.0	V	V	V	2.0	15.7
Lift gate	6.5	.5	2.2	1.7	2.1	13.2
Mounting bar for snowplow	18.6	16.9	1.2	S	V	40.6
Navigational system	.8	V	V	V	.8	28.2
Power take-off	37.6	.5	4.5	7.7	24.9	4.3
Radial tires	1 164.6	1 061.3	46.4	13.2	43.8	3.1
Reflective material in addition to those required by law	18.2	1.5	2.4	1.3	13.0	6.3
Road speed governor	33.9	1.0	4.2	5.4	23.2	4.3
Toolbox	197.9	153.5	20.2	9.9	14.3	11.0
Trip recorder or on-board computer with communication capabilities	56.5	40.9	S	1.6	9.8	21.4
Trip recorder or on-board computer without communication capabilities	218.8	208.4	S	S	2.8	11.5
Vehicle control aids for handicapped drivers						
Wheelchair lift	S	S	V	V	V	S
Winch	8.8	S	1.8	1.4	1.9	40.1
Transmission type:						
Automatic	1 231.1	1 186.6	36.2	4.3	4.0	2.7
Manual	457.4	343.4	33.9	22.2	57.9	6.3
Semiautomated manual	1.5	V	V	S	1.2	22.1
Automated manual	2.2	V	V	V	2.2	14.9
Not reported	47.3	41.6	1.1	1.2	3.4	24.6
Braking system:						
Hydraulic (standard)	36.6	5.4	12.8	11.0	7.4	4.6
Hydraulic with power assist	27.9	5.9	8.5	8.4	5.0	5.6
Air	58.2	S	1.5	4.0	52.6	2.3
Other	V	V	V	V	V	N
Not reported	7.1	.7	1.6	1.3	3.4	11.9
Not applicable ¹⁰	1 609.7	1 559.5	46.7	S	S	.9

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	1 538.3	1 466.9	53.2	10.2	7.9	1.5
Diesel	138.8	47.5	16.8	16.2	58.3	9.4
Natural gas	S	S	V	V	V	S
Propane	1.4	V	S	.8	S	31.3
Alcohol fuels	S	S	S	V	V	S
Electricity	V	V	V	V	V	N
Combination	16.9	16.8	V	V	V	44.3
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
Cylinders ¹¹ :						
4 cylinders	184.5	182.9	1.1	.3	.3	12.7
6 cylinders	775.0	698.2	11.5	13.3	52.1	4.5
8 cylinders	748.7	673.3	56.2	10.8	8.4	4.7
Other	31.2	17.3	2.3	3.7	7.9	24.0
Cubic inch displacement ¹¹ :						
Gasoline fuel	1 538.3	1 466.9	53.2	10.2	7.9	1.5
Less than 200	322.7	322.7	V	V	V	9.2
200 to 299	517.1	509.1	S	.5	V	6.5
300 to 349	304.6	300.5	S	S	S	9.4
350 to 399	277.0	240.3	32.3	2.3	2.1	9.7
400 or more	70.2	60.1	7.4	1.5	1.2	20.0
Not available	46.6	34.1	2.3	5.6	4.5	22.6
Diesel fuel	138.8	47.5	16.8	16.2	58.3	9.4
Less than 400	29.9	15.0	7.1	S	2.1	27.3
400 to 599	60.3	32.4	9.3	9.7	8.9	17.4
600 to 799	18.3	V	S	.2	17.9	4.8
800 or more	20.5	S	S	.2	20.1	4.1
Not available	9.8	S	S	.3	9.3	7.1
Other fuel	32.2	30.5	.5	.8	S	31.3
Less than 400	27.7	27.2	S	.7	S	34.5
400 or more	S	S	S	.7	S	S
Not available	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
REFUELING LOCATION						
Gas station	1 542.8	1 454.6	52.7	18.0	17.4	1.6
Truck stop	46.6	13.9	S	1.5	25.7	16.1
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	78.8	41.8	11.2	6.2	19.7	15.9
Other company's/contractor's facility not open to the public	S	S	S	S	1.7	S
Other	S	S	V	V	S	S
Not reported	31.4	27.5	.7	1.1	2.2	29.9
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
MAINTENANCE⁵						
General maintenance performed by:						
None performed	62.3	60.9	S	.6	.4	22.4
Company-owned maintenance facility	134.8	82.6	10.1	9.1	33.1	12.1
General repair business or private mechanic	686.4	626.5	31.2	6.8	21.8	5.3
Dealership service department	347.9	320.3	13.0	3.0	11.6	8.4
Leasing company	S	S	S	S	.7	S
Individual not employed/paid by any maintenance type facility	714.3	657.8	29.9	10.2	16.4	5.1
Other	V	V	V	V	V	N
Not reported	58.4	54.7	1.1	1.1	1.5	22.8
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
Extensive repairs performed by:						
None performed	1 369.9	1 247.8	48.7	22.1	51.2	2.4
Company-owned maintenance facility	20.3	14.7	1.0	.9	3.8	33.9
General repair business or private mechanic	107.0	95.4	S	1.3	5.6	16.6
Dealership service department	80.4	68.7	S	.9	3.8	19.4
Leasing company	S	V	V	S	S	S
Component distributorship (engine, transmission, body, etc.)	4	S	S	V	.2	44.8
Individual not employed/paid by any repair type facility	95.4	84.7	S	.8	1.8	17.9
Other	V	V	V	V	V	N
Not reported	S	V	V	V	V	S
Not applicable ²	30.1	26.8	.5	.8	1.9	31.3
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	1 662.1	1 547.9	61.9	22.2	30.0	1.1
2 axles	1 646.1	1 547.8	61.6	21.8	14.9	1.1
3 axles	14.4	S	S	.3	13.8	5.2
4 axles	1.3	V	V	1.2	1.6	19.8
5 axles or more	S	V	V	V	S	S
Not reported	S	V	S	S	S	S
Combinations	77.3	23.7	S	S	38.6	13.5
Single-unit trucks with trailer	41.5	23.7	S	S	2.9	25.1
3 axles	S	S	S	.7	S	S
4 axles	24.6	17.1	S	1.0	1.0	33.0
5 axles or more	1.8	V	V	S	1.6	20.8
Not reported	S	V	V	S	S	S
Truck-tractors with single trailer	35.9	V	V	.2	35.7	2.2
3 axles	1.6	V	V	S	1.5	21.6
4 axles	2.1	V	V	S	2.0	18.7
5 axles or more	29.9	V	V	V	29.9	2.5
Not reported	2.4	V	V	S	2.3	15.0
Truck-tractors with double trailers	V	V	V	V	V	N
5 axles	V	V	V	V	V	N
6 axles	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Driving axles:						
1	901.6	823.6	34.8	23.0	20.2	4.2
2	837.3	748.1	36.3	S	47.9	4.5
3 or more .....	.3	V	V	S	.2	44.1
Not reported .....	.3	V	V	S	.2	44.2
Total liftable axles and locations ¹² :						
None	126.2	12.2	24.3	24.7	65.1	.8
1	3.1	V	S	V	2.9	14.9
Forward of the drive axle	1.3	V	V	V	1.3	20.9
Below the chassis .....	.8	V	V	V	.8	31.6
Beyond the chassis .....	.2	V	V	V	.2	49.4
Not reported .....	.7	V	S	V	.6	34.9
2 or more	S	V	V	V	S	S
Forward of the drive axle	S	V	V	V	S	S
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 .....	.4	V	V	S	.3	37.3
Not applicable ¹⁰	1 609.7	1 559.5	46.7	S	S	.9
Total liftable axles and number of braking axles:						
None	126.2	12.2	24.3	24.7	65.1	.8
1	3.1	V	S	V	2.9	14.9
0 braking .....	.3	V	V	V	.3	40.3
1 braking	2.6	V	S	V	2.5	16.5
Not reported	S	V	V	V	S	S
2 or more	S	V	V	V	S	S
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not reported .....	.4	V	V	S	.3	37.3
Not applicable ¹⁰	1 609.7	1 559.5	46.7	S	S	.9
CAB TYPE						
Conventional cab	120.2	11.3	22.0	23.3	63.6	1.0
With sleeper	21.6	V	V	S	21.6	3.4
Without sleeper	98.1	11.3	22.0	23.2	41.6	1.3
Not reported .....	.5	V	V	S	.4	32.9
Cab over engine	9.2	.7	2.4	1.5	4.6	8.7
With sleeper	2.1	V	V	V	2.1	15.4
Without sleeper	7.1	.7	2.4	1.5	2.5	10.5
Not reported	S	V	V	V	S	S
Cab forward of engine	S	S	V	V	S	S
Cab beside engine	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not applicable ¹⁰	1 609.7	1 559.5	46.7	S	S	.9

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

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

²Vehicles not in use.

³Truck-tractors not in use.

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

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

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

⁷Distributed miles data are available in Table 8.

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

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

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

¹¹Data were derived from administrative records.

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

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

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

Table 5. Trucks by Truck Type: 2002

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

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
Total	1 739.5	1 662.1	77.3	41.5	35.9	V	V	X
Coefficient of variation (percent) .....	.9	1.1	13.5	25.1	2.2	N	N	X
BUSINESS¹								
For-hire transportation or warehousing	30.8	10.4	20.5	S	20.2	V	V	11.8
Vehicle leasing or rental	7.8	S	1.8	S	1.7	V	V	43.4
Agriculture, forestry, fishing, or hunting	102.5	80.7	21.8	15.7	6.0	V	V	15.0
Mining	S	S	.2	V	2	V	V	S
Utilities	15.0	14.0	1.1	.8	.3	V	V	39.2
Construction	98.4	94.2	4.2	2.6	1.6	V	V	16.2
Manufacturing	18.0	13.6	S	S	1.0	V	V	37.9
Wholesale trade	12.6	10.7	1.9	S	1.7	V	V	39.2
Retail trade	26.2	25.2	1.0	S	.7	V	V	29.3
Information services	S	S	V	V	V	V	V	S
Waste management, landscaping, or administrative/support services ..	14.7	10.6	S	S	.5	V	V	39.9
Arts, entertainment, or recreation services .....	.8	S	S	S	S	V	V	39.6
Accommodation or food services	S	S	.4	S	.4	V	V	S
Other services	69.6	69.2	S	S	S	V	V	20.9
Personal transportation	1 283.8	1 270.2	13.7	13.7	V	V	V	2.5
Not reported	13.9	12.3	1.6	S	1.4	V	V	35.0
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
BODY TYPE								
Single-unit trucks	1 702.9	1 661.4	41.5	41.5	N	N	N	.9
Pickup	934.5	901.0	33.5	33.5	N	N	N	1.1
Minivan	221.5	221.5	V	V	N	N	N	10.5
Other light vans	72.8	72.8	V	V	N	N	N	20.7
Sport utility	380.8	380.8	V	V	N	N	N	6.7
Armored	V	V	V	V	N	N	N	N
Beverage .....	.5	.5	V	V	N	N	N	49.7
Concrete mixer	2.5	2.5	V	V	N	N	N	13.7
Concrete pumper	S	S	V	V	N	N	N	S
Crane .....	.3	.3	V	V	N	N	N	49.3
Curtainside	S	S	V	V	N	N	N	S
Dump	13.8	11.7	2.1	2.1	N	N	N	7.8
Flatbed, stake, or platform	26.7	23.6	3.2	3.2	N	N	N	5.8
Low boy	S	S	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe .....	.5	.5	V	V	N	N	N	32.7
Service, utility	6.3	5.2	1.1	1.1	N	N	N	13.9
Service, other	4.6	4.1	.5	.5	N	N	N	16.4
Street sweeper	S	S	V	V	N	N	N	S
Tank, dry bulk	1.3	1.3	V	V	N	N	N	29.9
Tank, liquids or gases	3.7	3.7	S	S	N	N	N	17.1
Tow/Wrecker	2.6	2.4	S	S	N	N	N	21.9
Trash, garbage, or recycling	2.3	2.3	V	V	N	N	N	19.7
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	11.8	11.2	.6	.6	N	N	N	9.5
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated	2.1	2.0	S	S	N	N	N	23.5
Van, open top	4.5	4.5	V	V	N	N	N	15.8
Van, step, walk-in, or multistop	7.1	7.1	V	V	N	N	N	13.1
Van, other	1.7	1.7	V	V	N	N	N	27.8
Other	V	V	V	V	N	N	N	N
Truck-tractors	36.6	.7	35.9	N	35.9	V	V	2.1
Automobile carrier .....	.4	N	.4	N	.4	V	V	34.8
Beverage .....	.9	N	.9	N	.9	V	V	32.0
Curtainside	S	N	S	N	S	V	V	S
Dump	2.2	N	2.2	N	2.2	V	V	15.0
Flatbed, stake, or platform	3.6	N	3.6	N	3.6	V	V	11.9
Livestock .....	.5	N	.5	N	.5	V	V	31.2
Low boy	1.5	N	1.5	N	1.5	V	V	18.2
Mobile home toter	S	N	S	N	S	V	V	S
Open top	2.4	N	2.4	N	2.4	V	V	15.8
Pole, logging, pulpwood, or pipe .....	.3	N	.3	N	.3	V	V	40.3
Tank, dry bulk .....	.7	N	.7	N	.7	V	V	26.2
Tank, liquids or gases	1.5	N	1.5	N	1.5	V	V	18.0
Van, basic enclosed	13.8	N	13.8	N	13.8	V	V	5.2
Van, drop-frame .....	.5	N	.5	N	.5	V	V	32.9
Van, insulated nonrefrigerated	S	N	S	N	S	V	V	S
Van, insulated refrigerated	7.2	N	7.2	N	7.2	V	V	7.6
Other	V	N	V	N	V	V	V	N
Not applicable ³ .....	.7	.7	V	N	V	V	V	30.7
ANNUAL MILES								
Less than 5,000	304.3	284.6	19.7	16.0	3.7	V	V	9.0
5,000 to 9,999	351.2	341.0	10.2	S	2.1	V	V	8.6
10,000 to 19,999	677.4	669.6	7.8	S	2.3	V	V	5.4
20,000 to 29,999	210.7	203.8	6.9	S	2.4	V	V	11.6
30,000 to 49,999	128.0	117.2	10.8	S	3.7	V	V	15.0
50,000 to 74,999	16.5	12.2	4.4	S	4.2	V	V	35.9
75,000 or more	21.3	S	17.6	S	17.4	V	V	16.0
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
PRIMARY RANGE OF OPERATION								
Off-the-road	23.5	23.0	.5	S	.4	V	V	34.5
50 miles or less	1 202.4	1 174.9	27.5	18.9	8.6	V	V	2.9
51 to 100 miles	199.6	187.1	12.4	S	4.6	V	V	11.8
101 to 200 miles	64.0	54.6	9.5	S	2.7	V	V	21.6
201 to 500 miles	25.7	21.7	4.1	S	3.8	V	V	32.3
501 miles or more	35.8	24.0	11.9	S	8.5	V	V	26.4
Not reported	158.3	146.8	11.5	S	7.3	V	V	13.3
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
PRIMARY JURISDICTION								
Operated in Canada	V	V	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	V	V	N
Operated within the home base state	1 531.6	1 476.9	54.8	37.7	17.1	V	V	1.7
Operated in states other than the home base state	37.9	25.7	12.2	S	12.1	V	V	23.6
Not reported	139.8	129.4	10.4	S	6.7	V	V	14.1
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
MONTHS OPERATED								
12	1 225.0	1 173.0	52.0	28.5	23.4	V	V	2.9
7 to 11	253.7	240.5	13.2	S	5.7	V	V	10.3
2 to 6	194.3	183.6	10.7	S	5.8	V	V	11.8
1 or less	36.3	34.8	1.5	.6	.9	V	V	26.1
Vehicle not used	30.1	30.1	V	V	V	V	V	31.3
VEHICLE SIZE								
Light	1 571.7	1 547.9	23.7	23.7	V	V	V	1.2
Medium	71.1	61.9	S	S	V	V	V	17.3
Light-heavy	28.1	22.2	S	S	.2	V	V	13.1
Heavy-heavy	68.6	30.0	38.6	2.9	35.7	V	V	2.1
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	1 182.5	1 169.2	13.3	13.3	V	V	V	2.9
6,001 to 8,500	320.9	314.2	S	S	V	V	V	9.2
8,501 to 10,000	68.3	64.5	S	S	V	V	V	20.7
10,001 to 14,000	57.2	52.8	S	S	V	V	V	20.7
14,001 to 16,000	3.8	3.5	S	S	V	V	V	18.0
16,001 to 19,500	10.2	5.6	S	S	V	V	V	33.9
19,501 to 26,000	28.1	22.2	S	S	.2	V	V	13.1
26,001 to 33,000	10.7	9.1	1.5	1.1	.5	V	V	10.2
33,001 to 40,000	6.9	5.6	1.3	.6	.7	V	V	12.1
40,001 to 50,000	8.9	6.3	2.6	S	2.3	V	V	8.9
50,001 to 60,000	12.8	7.2	5.5	.4	5.1	V	V	5.7
60,001 to 80,000	29.0	1.7	27.4	.5	26.8	V	V	2.8
80,001 to 100,000 .....	.3	S	.2	V	.2	V	V	40.4
100,001 to 130,000	S	S	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	1 445.8	1 445.8	V	V	V	V	V	1.9
20.0 to 27.9	162.8	145.5	17.3	17.3	V	V	V	12.2
28.0 to 35.9	75.5	66.2	S	S	.4	V	V	17.8
36.0 to 40.9	11.3	2.2	S	S	1.0	V	V	42.1
41.0 to 44.9	3.6	1.2	2.4	1.3	1.1	V	V	16.7
45.0 to 49.9	3.6	.8	2.7	1.4	1.4	V	V	16.5
50.0 to 54.9	7.1	.3	6.8	S	3.0	V	V	47.2
55.0 to 59.9	4.5	V	4.5	.5	4.0	V	V	11.1
60.0 to 64.9	6.0	V	6.0	S	5.7	V	V	9.3
65.0 to 69.9	9.5	V	9.5	S	9.5	V	V	6.5
70.0 to 74.9	7.5	V	7.5	V	7.5	V	V	7.5
75.0 to 79.9	2.2	V	2.2	V	2.2	V	V	14.8
80.0 or more	S	V	S	V	S	V	V	S
MILES PER GALLON								
Less than 5	11.2	7.2	4.0	.6	3.4	V	V	8.1
5 to 6.9	45.0	19.6	25.4	S	20.4	V	V	8.2
7 to 8.9	59.5	52.9	S	S	1.8	V	V	19.5
9 to 10.9	98.6	96.4	2.2	1.4	.8	V	V	16.6
11 to 12.9	137.2	132.8	S	S	S	V	V	14.6
13 to 14.9	148.5	148.1	S	S	V	V	V	14.2
15 or more	974.5	957.3	17.2	17.1	S	V	V	3.8
15 to 20.9	780.7	763.5	17.2	17.1	S	V	V	4.8
21 to 24.9	129.5	129.5	V	V	V	V	V	15.6
25 or more	64.3	64.3	V	V	V	V	V	22.5
Not reported	235.0	217.8	17.2	S	9.2	V	V	10.6
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3

See footnotes at end of table.

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

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

Vehicular and operational characteristics	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	V	V	V	V	V	V	V	N
2002	106.6	101.1	S	S	1.9	V	V	16.9
2001	109.3	105.6	3.7	S	3.3	V	V	16.5
2000	166.5	156.5	10.0	S	5.9	V	V	13.0
1999	116.3	109.0	7.2	S	3.2	V	V	16.0
1998	84.6	81.6	3.0	S	2.5	V	V	18.8
1997	112.3	109.3	3.0	.8	2.2	V	V	16.3
1996	89.8	84.3	S	S	2.2	V	V	18.4
1995	147.0	140.6	S	S	2.6	V	V	14.2
1994	117.8	115.2	2.6	S	2.5	V	V	15.9
1993	78.8	77.8	1.0	V	1.0	V	V	19.8
Pre-1993	610.4	581.1	29.3	20.8	8.5	V	V	5.6
VEHICLE ACQUISITION								
New	721.4	691.5	29.9	13.3	16.6	V	V	5.1
Used	926.5	882.6	43.9	27.8	16.1	V	V	4.1
Not reported	91.6	88.0	3.5	S	3.2	V	V	18.1
LEASE CHARACTERISTICS								
Leased	56.3	43.2	13.0	.8	12.3	V	V	20.0
Lessee	42.5	36.6	5.9	S	5.6	V	V	25.2
Vehicle only	5.7	2.2	3.5	S	3.2	V	V	11.3
Vehicle with driver	2.4	V	2.4	V	2.4	V	V	14.0
Not reported	V	V	V	V	V	V	V	N
Not applicable ⁴	34.4	34.4	V	V	V	V	V	31.2
Lessor	13.0	S	6.6	S	6.3	V	V	26.4
Vehicle only	8.5	2.6	6.0	S	5.7	V	V	8.7
Vehicle with driver	1.0	.4	.6	V	.6	V	V	22.0
Not reported	S	S	V	V	V	V	V	S
Not applicable ⁴	S	S	V	V	V	V	V	S
Not reported	.8	S	.5	S	.3	V	V	35.1
Not leased	965.7	935.0	30.7	13.8	16.9	V	V	3.9
Not reported	717.5	683.9	33.7	27.0	6.7	V	V	5.2
Length of leasing agreement:								
Leased	56.3	43.2	13.0	.8	12.3	V	V	20.0
1 to 11 months	1.8	S	1.5	S	1.4	V	V	18.4
12 months or more	16.2	5.0	11.2	.5	10.7	V	V	6.0
Not reported	.5	S	.4	S	.3	V	V	41.9
Not applicable ⁴	37.7	37.7	V	V	V	V	V	29.8
Provisions of lease ⁵ :								
Financing only	9.0	2.8	6.2	S	5.7	V	V	8.6
Full maintenance	5.6	2.2	3.4	S	3.3	V	V	11.4
Payment of taxes	10.6	3.3	7.3	S	7.1	V	V	7.9
Obtaining licenses and permits	10.7	2.7	8.0	S	8.0	V	V	7.5
Recordkeeping	4.0	1.4	2.6	S	2.6	V	V	13.0
Fuel contract	1.3	S	1.1	S	1.0	V	V	21.0
PRIMARY OPERATOR CLASSIFICATION								
Private	372.3	333.4	38.9	27.0	12.0	V	V	7.6
Motor carrier	24.7	12.3	12.3	.3	12.0	V	V	14.8
Owner operator	20.4	9.9	10.5	S	10.1	V	V	23.9
Rental	8.2	S	1.9	S	1.8	V	V	41.5
Personal transportation	1 283.8	1 270.2	13.7	13.7	V	V	V	2.5
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
For-hire characteristics:								
Type of carrier:								
Contract	13.9	3.8	10.1	S	9.8	V	V	6.3
Common	14.4	5.7	8.7	S	8.4	V	V	6.7
Not reported	6.5	2.4	4.1	S	3.9	V	V	10.7
Not applicable ⁶	1 704.7	1 650.2	54.5	40.7	13.8	V	V	.9
Type of service:								
Truckload	20.7	5.4	15.2	.4	14.8	V	V	4.6
Less-than truckload	7.3	3.7	3.6	V	3.6	V	V	10.8
Not reported	6.8	2.8	4.0	S	3.6	V	V	10.8
Not applicable ⁶	1 704.7	1 650.2	54.5	40.7	13.8	V	V	.9
Source of hauls:								
Shippers or receivers	21.9	5.4	16.4	.3	16.1	V	V	4.8
Brokers	2.1	.4	1.7	V	1.7	V	V	15.1
Centralized markets or exchanges	.7	V	.7	S	V	V	V	30.5
Other	V	V	V	V	V	V	V	N
Not reported	10.0	5.4	4.6	S	4.3	V	V	8.9
Not applicable ⁶	1 704.7	1 650.2	54.5	40.7	13.8	V	V	.9
HAZARDOUS MATERIALS CARRIED⁷								
Carrying hazardous materials	6.3	2.7	3.6	V	3.6	V	V	11.3
Not carrying hazardous materials	97.0	62.1	34.9	6.6	28.3	V	V	1.8
Not reported	16.4	13.3	3.1	1.0	2.1	V	V	7.8
Not applicable ⁸	1 619.7	1 584.0	35.7	33.9	1.8	V	V	.9
EQUIPMENT TYPE^{5 9}								
Aerial work platform/bucket	3.4	2.5	1.0	1.0	V	V	V	18.8
Air bag(s) (safety device only)	917.3	902.9	14.4	S	6.3	V	V	4.0
Air compressor (except air brakes)	9.0	4.3	4.7	S	4.6	V	V	9.1
Air-conditioning	1 418.4	1 367.1	51.3	20.3	31.0	V	V	2.1
Air springs	18.7	2.6	16.1	.3	15.8	V	V	4.4

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	939.1	908.3	30.8	11.9	18.9	V	V	4.0
Collision warning system	1.6	1.2	.4	S	.3	V	V	25.7
Computerized drive train control unit	211.8	206.8	S	S	1.4	V	V	11.7
Crane	3.1	2.8	S	S	S	V	V	19.1
Electronic vehicle identification device	1.5	.5	1.0	V	1.0	V	V	20.7
Engine retarder/brake	24.9	4.5	20.5	.3	20.2	V	V	3.5
Front-wheel drive	783.7	770.2	13.5	13.5	V	V	V	4.8
Hoist	22.7	20.7	2.0	2.0	V	V	V	6.3
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	5.1	.7	4.4	V	4.4	V	V	10.2
Internet access	2.0	V	2.0	V	2.0	V	V	15.7
Lift gate	6.5	6.2	S	S	V	V	V	13.2
Mounting bar for snowplow	18.6	15.0	S	S	V	V	V	40.6
Navigational system	.8	S	.6	V	.6	V	V	28.2
Power take-off	37.6	27.1	10.6	2.7	7.9	V	V	4.3
Radial tires	1 164.6	1 117.9	46.6	21.0	25.7	V	V	3.1
Reflective material in addition to those required by law	18.2	8.6	9.6	1.2	8.4	V	V	6.3
Road speed governor	33.9	16.3	17.6	1.3	16.3	V	V	4.3
Toolbox	197.9	177.9	20.0	13.2	6.8	V	V	11.0
Trip recorder or on-board computer with communication capabilities	56.5	46.8	9.7	V	9.7	V	V	21.4
Trip recorder or on-board computer without communication capabilities	218.8	213.1	S	S	2.2	V	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	8.8	8.6	.3	S	.2	V	V	40.1
Transmission type:								
Automatic	1 231.1	1 207.8	23.3	21.7	1.6	V	V	2.7
Manual	457.4	408.4	49.0	19.1	29.9	V	V	6.3
Semiautomated manual	1.5	.4	1.1	S	.9	V	V	22.1
Automated manual	2.2	S	2.1	V	2.1	V	V	14.9
Not reported	47.3	45.4	1.9	S	1.4	V	V	24.6
Braking system:								
Hydraulic (standard)	36.6	31.3	5.3	3.2	2.1	V	V	4.6
Hydraulic with power assist	27.9	25.4	2.5	1.9	.6	V	V	5.6
Air	58.2	23.8	34.4	2.5	31.9	V	V	2.3
Other	V	V	V	V	V	V	V	N
Not reported	7.1	5.4	1.7	S	1.2	V	V	11.9
Not applicable ¹⁰	1 609.7	1 576.2	33.5	33.5	V	V	V	.9
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	1 538.3	1 512.2	26.0	25.9	S	V	V	1.5
Diesel	138.8	87.7	51.1	15.4	35.7	V	V	9.4
Natural gas	S	S	V	V	V	V	V	S
Propane	1.4	1.4	V	V	V	V	V	31.3
Alcohol fuels	S	S	S	S	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	16.9	16.9	V	V	V	V	V	44.3
Other	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
Cylinders¹¹:								
4 cylinders	184.5	181.1	S	S	S	V	V	12.7
6 cylinders	775.0	734.4	40.6	6.9	33.7	V	V	4.5
8 cylinders	748.7	718.3	30.4	30.1	.3	V	V	4.7
Other	31.2	28.4	2.8	1.1	1.7	V	V	24.0
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	1 538.3	1 512.2	26.0	25.9	S	V	V	1.5
200 to 299	322.7	319.4	S	S	V	V	V	9.2
300 to 349	517.1	517.1	V	V	V	V	V	6.5
350 to 399	304.6	301.3	S	S	V	V	V	9.4
400 or more	277.0	265.9	S	S	V	V	V	9.7
Not available	70.2	62.7	S	S	V	V	V	20.0
Diesel fuel	46.6	45.8	.8	.7	S	V	V	22.6
Less than 400	138.8	87.7	51.1	15.4	35.7	V	V	9.4
400 to 599	29.9	25.1	S	S	S	V	V	27.3
600 to 799	60.3	49.7	10.7	.7	1.7	V	V	17.4
800 or more	18.3	5.3	13.0	.7	12.4	V	V	4.8
Not available	20.5	4.3	16.2	.7	15.4	V	V	4.1
Other fuel	9.8	3.4	6.5	.3	6.1	V	V	7.1
Less than 400	32.2	32.1	S	S	V	V	V	31.3
400 or more	27.7	27.7	V	V	V	V	V	34.5
Not available	S	S	S	S	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3
REFUELING LOCATION								
Gas station	1 542.8	1 506.6	36.2	31.4	4.8	V	V	1.6
Truck stop	46.6	20.9	25.7	S	21.5	V	V	16.1
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	78.8	65.4	13.5	S	7.9	V	V	15.9
Other company's/contractor's facility not open to the public	S	S	1.3	S	1.1	V	V	S
Other	S	S	S	V	S	V	V	S
Not reported	31.4	30.8	.6	S	.5	V	V	29.9
Not applicable ²	30.1	30.1	V	V	V	V	V	31.3

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)
		Single-unit trucks and truck-tractors without trailer	Combination			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	62.3	58.7	S	S	S	V	22.4
Company-owned maintenance facility	134.8	108.7	26.2	S	20.3	V	12.1
General repair business or private mechanic	686.4	662.7	23.6	S	14.4	V	5.3
Dealership service department	347.9	331.4	16.5	S	8.6	V	8.4
Leasing company	S	S	.6	S	.6	V	S
Individual not employed/paid by any maintenance type facility	714.3	689.3	24.9	19.4	5.5	V	5.1
Other	V	V	V	V	V	V	N
Not reported	58.4	54.7	S	S	4	V	22.8
Not applicable ²	30.1	30.1	V	V	V	V	31.3
Extensive repairs performed by:							
None performed	1 369.9	1 311.4	58.5	29.8	28.7	V	2.4
Company-owned maintenance facility	20.3	18.1	2.3	.4	1.8	V	33.9
General repair business or private mechanic	107.0	97.4	9.6	S	2.3	V	16.6
Dealership service department	80.4	74.1	S	S	2.7	V	19.4
Leasing company	S	S	V	V	V	V	S
Component distributorship (engine, transmission, body, etc.)	.4	S	S	V	S	V	44.8
Individual not employed/paid by any repair type facility	95.4	87.8	S	S	.3	V	17.9
Other	V	V	V	V	V	V	N
Not reported	S	S	V	V	V	V	S
Not applicable ²	30.1	30.1	V	V	V	V	31.3
AXLE ARRANGEMENT							
Driving axles:							
1	901.6	872.2	29.4	25.5	3.9	V	4.2
2	837.3	789.6	47.7	16.0	31.8	V	4.5
3 or more	.3	.2	S	V	S	V	44.1
Not reported	.3	S	S	V	S	V	44.2
Total liftable axles and locations ¹² :							
None	126.2	83.3	43.0	7.7	35.3	V	.8
1	3.1	2.3	.7	.3	.5	V	14.9
Forward of the drive axle	1.3	.9	.4	.2	.2	V	20.9
Below the chassis	.8	.6	.2	S	S	V	31.6
Beyond the chassis	.2	.2	V	V	V	V	49.4
Not reported	.7	.6	S	V	S	V	34.9
2 or more	S	S	V	V	V	V	S
Forward of the drive axle	S	S	V	V	V	V	S
Below the chassis	V	V	V	V	V	V	N
Beyond the chassis	S	S	V	V	V	V	S
Not reported	V	V	V	V	V	V	N
Not reported	.4	.2	S	V	S	V	37.3
Not applicable ¹⁰	1 609.7	1 576.2	33.5	33.5	V	V	.9
Total liftable axles and number of braking axles:							
None	126.2	83.3	43.0	7.7	35.3	V	.8
1	3.1	2.3	.7	.3	.5	V	14.9
0 braking	.3	.3	S	V	S	V	40.3
1 braking	2.6	2.0	.7	.3	.4	V	16.5
Not reported	S	S	V	V	V	V	S
2 or more	S	S	V	V	V	V	S
0 braking	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	N
2 or more braking	S	S	V	V	V	V	S
Not reported	V	V	V	V	V	V	N
Not reported	.4	.2	S	V	S	V	37.3
Not applicable ¹⁰	1 609.7	1 576.2	33.5	33.5	V	V	.9
CAB TYPE							
Conventional cab	120.2	79.8	40.4	7.6	32.8	V	1.0
With sleeper	21.6	S	21.5	V	21.5	V	3.4
Without sleeper	98.1	79.6	18.5	7.6	10.9	V	1.3
Not reported	.5	S	.4	V	.4	V	32.9
Cab over engine	9.2	5.8	3.4	.3	3.1	V	8.7
With sleeper	2.1	S	2.0	V	2.0	V	15.4
Without sleeper	7.1	5.7	1.3	.3	1.0	V	10.5
Not reported	S	V	S	V	S	V	S
Cab forward of engine	S	S	V	V	V	V	S
Cab beside engine	S	S	V	V	V	V	S
Not reported	V	V	V	V	V	V	N
Not applicable ¹⁰	1 609.7	1 576.2	33.5	33.5	V	V	.9

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

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	24 254.5	19 896.7	1 016.9	461.2	2 879.6	X
Coefficient of variation (percent)	3.1	3.8	20.8	27.2	2.8	X
BUSINESS¹						
For-hire transportation or warehousing	2 210.8	S	72.3	73.2	1 876.5	9.1
Vehicle leasing or rental	271.9	S	17.3	49.2	163.8	18.5
Agriculture, forestry, fishing, or hunting	1 152.9	544.4	S	S	175.9	21.5
Mining	49.6	S	S	S	22.6	49.1
Utilities	212.7	S	16.4	22.9	23.8	42.3
Construction	1 658.7	1 394.8	S	22.5	141.7	21.2
Manufacturing	284.1	S	9.9	S	98.7	34.1
Wholesale trade	282.8	S	21.4	22.1	113.2	32.9
Retail trade	415.9	261.3	42.6	64.6	47.3	31.2
Information services	S	S	S	S	S	S
Waste management, landscaping, or administrative/support services	152.8	S	19.2	S	61.3	36.3
Arts, entertainment, or recreation services	S	S	S	V	S	S
Accommodation or food services	S	S	15.7	S	16.5	S
Other services	1 073.7	1 026.5	32.5	10.2	S	27.8
Personal transportation	15 926.7	15 568.3	353.7	S	S	4.5
Not reported	278.7	S	14.7	16.8	123.7	31.9
Not applicable ²	S	V	S	S	S	S
BODY TYPE						
Single-unit trucks	21 739.7	19 896.7	1 016.9	455.8	370.2	3.5
Pickup	11 058.4	10 269.0	666.8	S	S	5.2
Minivan	3 169.6	3 169.6	V	V	V	13.9
Other light vans	1 107.9	1 107.9	V	V	V	25.6
Sport utility	5 213.8	5 213.8	V	V	V	9.0
Armored	V	V	V	V	V	N
Beverage	S	V	S	S	S	S
Concrete mixer	24.2	V	V	V	24.2	16.5
Concrete pumper	S	V	V	V	S	S
Crane	S	V	V	S	S	S
Curtainside	S	V	V	V	S	S
Dump	124.7	S	S	4.6	112.0	11.8
Flatbed, stake, or platform	222.4	30.1	51.2	81.8	59.3	11.3
Low boy	S	V	S	V	S	S
Pole, logging, pulpwood, or pipe	3.3	V	V	V	3.3	39.3
Service, utility	85.5	23.3	16.8	24.6	20.8	18.6
Service, other	85.0	16.6	46.0	20.3	S	20.1
Street sweeper	S	S	V	V	V	S
Tank, dry bulk	12.7	V	S	S	7.5	39.7
Tank, liquids or gases	38.4	V	S	16.2	19.5	21.2
Tow/Wrecker	44.5	S	16.1	S	S	35.2
Trash, garbage, or recycling	43.6	S	S	S	38.5	26.2
Vacuum	S	V	V	V	S	S
Van, basic enclosed	248.5	19.6	90.0	104.4	34.5	12.4
Van, insulated nonrefrigerated	S	S	S	V	V	S
Van, insulated refrigerated	51.5	S	S	S	24.6	29.4
Van, open top	23.1	V	S	S	10.9	29.8
Van, step, walk-in, or multistop	145.5	34.0	88.9	22.6	V	16.5
Van, other	17.4	S	7.7	S	V	32.1
Other	V	V	V	V	V	N
Truck-tractors	2 514.8	V	V	S	2 509.4	3.1
Automobile carrier	35.9	V	V	V	35.9	36.9
Beverage	33.2	V	V	V	33.2	39.2
Curtainside	S	V	V	V	S	S
Dump	73.0	V	V	V	73.0	22.5
Flatbed, stake, or platform	150.9	V	V	S	145.6	16.2
Livestock	19.8	V	V	V	19.8	40.2
Low boy	38.0	V	V	V	38.0	30.6
Mobile home toter	S	V	V	V	S	S
Open top	43.0	V	V	V	43.0	25.5
Pole, logging, pulpwood, or pipe	S	V	V	V	S	S
Tank, dry bulk	68.2	V	V	V	68.2	29.7
Tank, liquids or gases	126.8	V	V	V	126.8	20.2
Van, basic enclosed	1 128.3	V	V	S	1 128.2	6.1
Van, drop-frame	19.4	V	V	V	19.4	47.8
Van, insulated nonrefrigerated	S	V	V	V	S	S
Van, insulated refrigerated	755.4	V	V	V	755.4	8.3
Other	V	V	V	V	V	N
Not applicable ³	V	V	V	V	V	N
ANNUAL MILES						
Less than 5,000	678.8	611.6	30.6	8.5	28.1	11.2
5,000 to 9,999	2 412.4	2 304.9	25.5	24.5	57.4	8.8
10,000 to 19,999	8 959.0	8 351.0	422.6	75.1	110.3	5.6
20,000 to 29,999	4 633.4	4 243.8	S	80.0	123.0	11.6
30,000 to 49,999	4 259.1	3 504.8	304.2	S	236.3	14.9
50,000 to 74,999	961.9	S	45.8	S	308.8	34.9
75,000 or more	2 344.8	S	V	S	2 014.1	13.3
Not applicable ²	S	V	S	S	S	S
PRIMARY RANGE OF OPERATION						
Off-the-road	113.0	S	S	S	18.9	45.6
50 miles or less	15 573.7	14 350.6	413.1	334.3	475.7	4.8
51 to 100 miles	2 982.6	2 474.7	244.3	33.0	230.5	15.3
101 to 200 miles	1 341.4	1 001.3	S	S	195.8	22.8
201 to 500 miles	642.3	237.4	S	27.2	374.8	18.1
501 miles or more	1 341.9	294.7	S	S	945.7	13.4
Not reported	2 254.5	1 466.6	S	36.8	636.6	12.0
Not applicable ²	S	V	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.....	20 425.4	18 122.1	890.3	404.9	1 008.1	3.8
Operated in states other than the home base state.....	1 861.1	546.2	S	17.1	1 292.6	13.1
Not reported.....	1 962.8	1 228.4	119.7	37.3	577.4	12.8
Not applicable ²	S	V	S	S	S	S
MONTHS OPERATED						
12.....	18 809.1	15 373.9	865.7	385.8	2 183.9	4.0
7 to 11.....	3 414.5	2 811.3	S	47.2	423.9	13.4
2 to 6.....	1 992.1	1 696.8	13.6	25.9	255.8	17.0
1 or less.....	33.5	14.7	3.9	.5	14.4	26.4
Vehicle not used.....	S	V	S	S	S	S
AVERAGE WEIGHT (POUNDS)						
Less than 6,001.....	14 322.6	14 322.6	N	N	N	4.8
6,001 to 8,500.....	4 541.0	4 541.0	N	N	N	12.7
8,501 to 10,000.....	1 033.1	1 033.1	N	N	N	27.6
10,001 to 14,000.....	772.1	N	772.1	N	N	24.2
14,001 to 16,000.....	48.7	N	48.7	N	N	25.7
16,001 to 19,500.....	S	N	S	N	N	S
19,501 to 26,000.....	461.2	N	N	461.2	N	27.2
26,001 to 33,000.....	110.0	N	N	N	110.0	17.6
33,001 to 40,000.....	78.5	N	N	N	78.5	19.9
40,001 to 50,000.....	141.4	N	N	N	141.4	13.0
50,001 to 60,000.....	423.5	N	N	N	423.5	10.0
60,001 to 80,000.....	2 105.8	N	N	N	2 105.8	3.8
80,001 to 100,000.....	19.4	N	N	N	19.4	43.1
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.....	18 322.0	17 984.9	225.7	76.3	35.1	4.1
20.0 to 27.9.....	1 822.0	1 270.2	285.9	99.2	166.7	14.5
28.0 to 35.9.....	1 140.0	641.6	276.2	114.0	108.3	24.3
36.0 to 40.9.....	S	V	S	S	51.3	S
41.0 to 44.9.....	112.4	V	16.9	S	86.4	19.5
45.0 to 49.9.....	59.0	V	S	S	51.3	24.4
50.0 to 54.9.....	218.2	V	S	S	103.9	47.0
55.0 to 59.9.....	165.2	V	S	V	164.9	15.1
60.0 to 64.9.....	360.5	V	S	S	355.6	11.7
65.0 to 69.9.....	856.9	V	V	V	856.9	7.3
70.0 to 74.9.....	662.6	V	V	V	662.6	8.6
75.0 to 79.9.....	234.2	V	V	V	234.2	16.1
80.0 or more.....	S	V	V	V	S	S
MILES PER GALLON						
Less than 5.....	271.8	S	7.7	S	248.1	12.2
5 to 6.9.....	1 753.7	S	22.7	71.3	1 650.9	4.5
7 to 8.9.....	538.1	256.2	92.7	63.2	126.0	16.1
9 to 10.9.....	915.7	687.5	123.4	62.8	42.1	19.6
11 to 12.9.....	1 629.1	1 265.4	181.6	S	17.6	19.3
13 to 14.9.....	1 851.2	1 796.2	S	S	S	17.9
15 or more.....	13 870.8	13 451.4	413.8	S	S	5.7
15 to 20.9.....	11 091.4	10 671.9	413.8	S	S	6.9
21 to 24.9.....	1 935.1	1 935.1	V	V	V	18.3
25 or more.....	844.3	844.3	V	V	V	25.3
Not reported.....	3 418.9	2 428.1	130.8	72.7	787.3	10.9
Not applicable ²	S	V	S	S	S	S
MODEL YEAR						
2003.....	V	V	V	V	V	N
2002.....	1 797.7	1 422.7	14.0	S	231.1	16.9
2001.....	2 310.8	1 641.7	S	41.5	414.5	16.3
2000.....	3 212.4	2 459.7	48.7	57.0	647.0	13.0
1999.....	2 234.9	1 694.7	S	51.7	327.3	16.1
1998.....	1 809.2	1 488.6	26.2	26.8	267.6	23.4
1997.....	1 881.1	1 634.1	S	18.4	158.6	17.1
1996.....	1 671.1	1 484.1	S	S	163.2	19.5
1995.....	1 992.8	1 690.4	S	12.1	172.6	15.3
1994.....	1 868.0	1 670.1	8.3	39.2	150.5	19.1
1993.....	765.3	703.6	10.1	S	42.2	22.0
Pre-1993.....	4 711.2	4 006.9	338.5	60.6	305.2	8.7
VEHICLE ACQUISITION						
New.....	11 644.3	9 028.4	587.4	353.2	1 675.4	5.9
Used.....	11 252.9	9 870.1	416.0	90.7	876.1	6.4
Not reported.....	1 357.3	998.2	S	17.3	328.2	17.9
LEASE CHARACTERISTICS						
Leased.....	1 972.7	617.4	35.6	54.0	1 265.8	11.2
Lessee.....	1 107.3	516.2	S	22.9	560.7	17.2
Vehicle only.....	357.0	S	S	22.9	320.5	12.3
Vehicle with driver.....	240.2	V	V	V	240.2	15.5
Not reported.....	V	V	V	V	V	N
Not applicable ⁴	510.1	510.1	V	V	V	35.6
Lessor.....	819.9	S	17.9	29.5	671.3	14.1
Vehicle only.....	663.4	S	17.9	29.5	614.8	8.5
Vehicle with driver.....	55.9	V	V	V	55.9	27.2
Not reported.....	S	V	V	V	S	S
Not applicable ⁴	S	S	V	V	V	S
Not reported.....	45.5	V	S	S	33.8	33.6
Not leased.....	13 487.1	11 473.6	480.4	326.6	1 206.6	5.7
Not reported.....	8 794.6	7 805.8	501.0	80.6	407.3	7.0

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
LEASE CHARACTERISTICS—Con.						
Length of leasing agreement:						
Leased	1 972.7	617.4	35.6	54.0	1 265.8	11.2
1 to 11 months	100.3	S	V	V	99.1	19.8
12 months or more	1 227.9	S	30.1	52.4	1 139.3	6.0
Not reported	34.5	V	S	S	27.4	39.6
Not applicable ⁴	610.0	610.0	V	V	V	34.0
Provisions of lease ⁵ :						
Financing only	616.6	7.3	20.6	27.6	561.1	8.7
Full maintenance	383.0	V	S	28.2	341.3	11.4
Payment of taxes	837.1	S	15.5	44.2	776.0	7.7
Obtaining licenses and permits	936.5	S	14.4	39.8	879.9	7.2
Recordkeeping	299.9	V	S	S	278.6	13.6
Fuel contract	111.7	V	S	V	106.1	22.1
PRIMARY OPERATOR CLASSIFICATION						
Private	5 532.1	4 072.8	561.1	318.0	580.2	10.2
Motor carrier	1 322.6	S	77.3	64.3	1 154.1	6.0
Owner operator	1 182.4	S	S	S	968.3	16.4
Rental	285.6	S	17.3	54.3	172.4	17.8
Personal transportation	15 926.7	15 568.3	353.7	S	S	4.5
Not applicable ²	S	V	S	S	S	S
For-hire characteristics:						
Type of carrier:						
Contract	1 057.6	S	25.3	30.2	1 001.6	6.7
Common	772.7	V	39.6	32.5	700.6	7.5
Not reported	467.3	S	S	S	420.2	10.9
Not applicable ⁶	21 956.8	19 890.1	933.7	375.8	757.2	3.4
Type of service:						
Truckload	1 578.4	S	10.4	S	1 537.9	5.1
Less-than truckload	264.4	V	46.5	24.9	193.0	11.6
Not reported	454.8	S	26.3	S	391.6	11.0
Not applicable ⁶	21 956.8	19 890.1	933.7	375.8	757.2	3.4
Source of hauls:						
Shippers or receivers	1 572.5	S	45.6	38.5	1 488.0	5.0
Brokers	171.8	V	V	V	171.8	17.3
Centralized markets or exchanges	22.3	V	S	V	16.1	38.4
Other	V	V	V	V	V	N
Not reported	531.0	S	31.4	46.9	446.6	9.9
Not applicable ⁶	21 956.8	19 890.1	933.7	375.8	757.2	3.4
HAZARDOUS MATERIALS CARRIED⁷						
Carrying hazardous materials	374.3	V	S	12.5	345.9	11.9
Not carrying hazardous materials	2 784.6	110.0	248.7	238.8	2 187.0	3.1
Not reported	284.6	21.3	64.1	32.1	167.1	11.3
Not applicable ⁸	20 811.0	19 765.4	688.2	S	179.6	3.6
EQUIPMENT TYPE^{5 9}						
Aerial work platform/bucket	42.1	V	S	21.3	10.4	25.3
Air bag(s) (safety device only)	14 838.3	13 652.1	499.3	S	518.6	5.5
Air compressor (except air brakes)	381.7	S	S	19.1	337.9	10.9
Air-conditioning	21 578.8	17 796.6	861.1	347.6	2 573.6	3.7
Air springs	1 295.6	S	S	S	1 278.1	5.4
Antilock brake system	16 365.7	13 716.1	543.1	S	1 863.7	5.0
Collision warning system	53.0	V	18.6	S	25.2	25.8
Computerized drive train control unit	3 510.5	3 254.8	S	S	120.5	13.2
Crane	53.2	V	S	18.9	26.7	24.4
Electronic vehicle identification device	146.6	S	S	V	143.5	22.3
Engine retarder/brake	1 828.4	S	15.6	S	1 804.0	4.3
Front-wheel drive	10 221.1	9 672.1	426.3	S	S	6.5
Hoist	191.6	S	33.5	43.7	113.7	10.5
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	471.8	S	V	S	463.3	10.3
Internet access	112.2	V	V	V	112.2	18.5
Lift gate	125.9	S	45.1	33.1	42.2	17.0
Mounting bar for snowplow	S	S	12.2	S	V	S
Navigational system	86.9	V	V	V	86.9	29.7
Power take-off	911.5	S	48.3	64.1	796.7	6.4
Radial tires	17 314.1	14 282.0	742.8	295.9	1 993.5	4.7
Reflective material in addition to those required by law	946.8	19.1	34.7	29.6	863.5	6.8
Road speed governor	1 685.5	11.1	104.8	90.2	1 479.3	4.8
Toolbox	3 205.9	2 098.3	379.5	S	494.7	13.4
Trip recorder or on-board computer with communication capabilities	1 429.3	398.3	S	24.8	915.8	11.2
Trip recorder or on-board computer without communication capabilities	3 408.5	3 065.3	S	S	184.8	13.4
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	108.1	S	18.8	20.9	42.1	27.6
Transmission type:						
Automatic	16 748.7	15 992.6	476.4	87.4	192.2	4.7
Manual	6 582.0	3 389.0	517.4	352.7	2 322.9	6.6
Semiautomated manual	74.7	V	V	S	73.4	25.7
Automated manual	118.5	V	V	V	118.5	17.2
Not reported	730.5	515.1	23.1	19.7	172.7	24.5
Braking system:						
Hydraulic (standard)	539.6	51.8	192.8	147.4	147.6	7.3
Hydraulic with power assist	355.1	72.2	112.7	111.7	58.4	10.0
Air	2 587.4	S	10.9	61.7	2 513.3	3.2
Other	V	V	V	V	V	N
Not reported	222.7	S	33.7	20.4	157.6	14.9
Not applicable ¹⁰	20 549.7	19 760.2	666.8	S	S	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	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
FUEL TYPE AND ENGINE SIZE						
Fuel type:						
Gasoline	19 376.8	18 683.5	617.3	50.9	25.0	3.9
Diesel	4 317.4	678.0	390.3	399.2	2 849.9	6.5
Natural gas	S	S	V	V	V	S
Propane	16.0	V	S	9.2	S	35.5
Alcohol fuels	S	S	S	V	V	S
Electricity	V	V	V	V	V	N
Combination	343.5	343.4	V	V	S	46.5
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ²	S	V	S	S	S	S
Cylinders ¹¹ :						
4 cylinders	2 134.2	2 102.4	23.1	6.3	S	16.1
6 cylinders	13 074.6	9 729.4	250.1	341.5	2 753.7	5.2
8 cylinders	8 813.2	7 929.6	728.3	103.2	52.1	7.5
Other	232.4	S	S	10.2	71.4	36.9
Cubic inch displacement ¹¹ :						
Gasoline fuel	19 376.8	18 683.5	617.3	50.9	25.0	3.9
Less than 200	4 094.7	4 094.7	V	V	V	11.6
200 to 299	7 745.4	7 630.0	S	S	V	8.9
300 to 349	3 395.0	3 379.7	S	S	S	12.9
350 to 399	3 372.4	2 912.1	433.7	17.9	8.8	12.4
400 or more	556.6	479.4	56.6	12.9	7.7	26.5
Not available	212.7	187.7	2.5	14.1	8.5	38.8
Diesel fuel	4 317.4	678.0	390.3	399.2	2 849.9	6.5
Less than 400	715.7	334.1	S	S	29.9	31.2
400 to 599	922.1	343.4	213.9	213.9	150.9	17.2
600 to 799	998.8	V	S	S	993.7	6.2
800 or more	1 171.0	S	S	S	1 169.6	5.7
Not available	509.8	S	S	S	505.7	10.2
Other fuel	555.1	535.2	S	9.2	S	33.8
Less than 400	483.5	476.9	S	S	S	37.0
400 or more	S	S	S	S	S	S
Not available	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Not applicable ²	S	V	S	S	S	S
REFUELING LOCATION						
Gas station	20 189.9	18 841.8	741.7	310.5	296.0	3.8
Truck stop	2 207.6	S	S	35.2	1 829.2	8.0
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1 247.7	434.1	126.6	90.4	596.6	13.4
Other company's/contractor's facility not open to the public	169.8	S	S	S	103.4	32.7
Other	S	S	V	V	S	S
Not reported	362.7	284.0	S	19.6	48.0	32.8
Not applicable ²	S	V	S	S	S	S
MAINTENANCE⁵						
General maintenance performed by:						
None performed	625.3	620.7	S	S	S	32.4
Company-owned maintenance facility	3 562.5	1 317.9	181.2	166.2	1 897.2	8.8
General repair business or private mechanic	9 827.5	8 120.3	428.2	111.7	1 167.3	6.7
Dealership service department	6 117.3	4 940.2	314.5	72.6	790.0	9.9
Leasing company	53.9	S	S	S	37.9	28.3
Individual not employed/paid by any maintenance type facility	9 109.5	8 261.1	414.2	S	263.8	7.0
Other	V	V	V	V	V	N
Not reported	583.8	500.5	14.5	21.8	47.0	25.6
Not applicable ²	S	V	S	S	S	S
Extensive repairs performed by:						
None performed	19 101.4	15 930.6	661.6	377.6	2 131.5	4.0
Company-owned maintenance facility	469.7	S	13.4	S	243.5	25.1
General repair business or private mechanic	1 821.7	1 487.0	S	12.0	213.2	20.0
Dealership service department	1 553.7	1 082.2	S	20.9	285.5	19.7
Leasing company	S	V	V	S	S	S
Component distributorship (engine, transmission, body, etc.)	S	S	S	V	S	S
Individual not employed/paid by any repair type facility	1 084.7	888.0	S	S	27.8	22.3
Other	V	V	V	V	V	N
Not reported	S	S	V	V	V	S
Not applicable ²	S	V	S	S	S	S
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks and truck-tractors without trailer	21 216.0	19 790.9	787.4	298.0	339.8	3.6
2 axles	21 002.4	19 790.3	786.5	294.7	130.9	3.6
3 axles	192.0	S	S	S	188.4	9.5
4 axles	17.9	V	V	S	16.8	24.1
5 axles or more	S	V	V	V	S	S
Not reported	S	V	S	V	S	S
Combinations	3 038.4	105.8	S	S	2 539.9	6.7
Single-unit trucks with trailer	523.7	105.8	S	S	30.4	36.0
3 axles	S	S	S	S	S	S
4 axles	228.8	S	S	S	7.9	47.5
5 axles or more	19.7	V	V	S	19.6	28.0
Not reported	S	V	V	S	S	S
Truck-tractors with single trailer	2 514.8	V	V	S	2 509.4	3.1
3 axles	36.0	V	V	S	35.5	33.7
4 axles	44.2	V	V	S	39.8	22.1
5 axles or more	2 294.9	V	V	V	2 294.9	3.5
Not reported	139.7	V	V	S	139.3	18.0
Truck-tractors with double trailers	V	V	V	V	V	N
5 axles	V	V	V	V	V	N
6 axles	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
TRUCK TYPE AND AXLE ARRANGEMENT—Con.						
Combinations—Con.						
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Driving axles:						
1	11 283.8	10 215.3	537.5	313.3	217.7	6.6
2	12 964.7	9 681.4	479.5	S	2 657.0	5.2
3 or more	3.3	V	V	S	S	48.4
Not reported	S	V	V	V	S	S
Total liftable axles and locations ¹² :						
None	3 650.0	136.5	350.0	341.2	2 822.3	2.5
1	46.9	V	S	V	46.8	21.3
Forward of the drive axle	21.5	V	V	V	21.5	26.3
Below the chassis	14.1	V	V	V	14.1	43.6
Beyond the chassis	S	V	V	V	S	S
Not reported	S	V	S	V	S	S
2 or more	S	V	V	V	S	S
Forward of the drive axle	S	V	V	V	S	S
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	V	V	S	S
Not applicable ¹⁰	20 549.7	19 760.2	666.8	S	S	3.7
Total liftable axles and number of braking axles:						
None	3 650.0	136.5	350.0	341.2	2 822.3	2.5
1	46.9	V	S	V	46.8	21.3
0 braking	S	V	V	V	S	S
1 braking	36.1	V	S	V	36.0	22.6
Not reported	S	V	V	V	S	S
2 or more	S	V	V	V	S	S
0 braking	V	V	V	V	V	N
1 braking	V	V	V	V	V	N
2 or more braking	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable ¹⁰	20 549.7	19 760.2	666.8	S	S	3.7
CAB TYPE						
Conventional cab	3 434.5	121.8	302.2	310.6	2 699.9	2.6
With sleeper	1 923.2	V	V	S	1 922.8	4.2
Without sleeper	1 476.8	121.8	302.2	310.2	742.5	4.1
Not reported	34.6	V	V	V	34.6	37.6
Cab over engine	267.9	13.5	47.9	30.7	175.8	12.2
With sleeper	135.3	V	V	V	135.3	20.5
Without sleeper	131.9	13.5	47.9	30.7	39.8	13.1
Not reported	S	V	V	V	S	S
Cab forward of engine	S	S	V	V	S	S
Cab beside engine	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not applicable ¹⁰	20 549.7	19 760.2	666.8	S	S	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	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
Total	24 254.5	21 216.0	3 038.4	523.7	2 514.8	V	V	X
Coefficient of variation (percent)	3.1	3.6	6.7	36.0	3.1	N	N	X
BUSINESS¹								
For-hire transportation or warehousing	2 210.8	S	1 866.7	S	1 860.4	V	V	9.1
Vehicle leasing or rental	271.9	127.0	144.9	S	138.8	V	V	18.5
Agriculture, forestry, fishing, or hunting	1 152.9	743.8	409.2	S	139.1	V	V	21.5
Mining	49.6	S	S	V	S	V	V	49.1
Utilities	212.7	190.3	22.4	S	S	V	V	42.3
Construction	1 658.7	1 591.5	67.2	31.5	35.8	V	V	21.2
Manufacturing	284.1	199.3	84.8	S	79.8	V	V	34.1
Wholesale trade	282.8	198.0	84.8	S	82.9	V	V	32.9
Retail trade	415.9	380.8	35.1	S	22.8	V	V	31.2
Information services	S	S	V	V	V	V	V	S
Waste management, landscaping, or administrative/support services	152.8	121.4	31.4	S	19.5	V	V	36.3
Arts, entertainment, or recreation services	S	S	S	S	S	V	V	S
Accommodation or food services	S	S	15.1	S	14.2	V	V	S
Other services	1 073.7	1 069.4	S	S	S	V	V	27.8
Personal transportation	15 926.7	15 767.4	S	S	V	V	V	4.5
Not reported	278.7	172.0	106.7	S	102.2	V	V	31.9
Not applicable ²	S	S	V	V	V	V	V	S
BODY TYPE								
Single-unit trucks	21 739.7	21 216.0	523.7	523.7	N	N	N	3.5
Pickup	11 058.4	10 634.8	423.7	423.7	N	N	N	5.2
Minivan	3 169.6	3 169.6	V	V	N	N	N	13.9
Other light vans	1 107.9	1 107.9	V	V	N	N	N	25.6
Sport utility	5 213.8	5 213.8	V	V	N	N	N	9.0
Armored	V	V	V	V	N	N	N	N
Beverage	S	S	V	V	N	N	N	S
Concrete mixer	24.2	24.2	V	V	N	N	N	16.5
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	124.7	103.9	20.8	20.8	N	N	N	11.8
Flatbed, stake, or platform	222.4	193.1	29.3	29.3	N	N	N	11.3
Low boy	S	S	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe	3.3	3.3	V	V	N	N	N	39.3
Service, utility	85.5	71.2	14.3	14.3	N	N	N	18.6
Service, other	85.0	70.6	S	S	N	N	N	20.1
Street sweeper	S	S	V	V	N	N	N	S
Tank, dry bulk	12.7	12.7	V	V	N	N	N	39.7
Tank, liquids or gases	38.4	38.3	S	S	N	N	N	21.2
Tow/Wrecker	44.5	34.2	S	S	N	N	N	35.2
Trash, garbage, or recycling	43.6	43.6	V	V	N	N	N	26.2
Vacuum	S	S	V	V	N	N	N	S
Van, basic enclosed	248.5	239.4	S	S	N	N	N	12.4
Van, insulated nonrefrigerated	S	S	V	V	N	N	N	S
Van, insulated refrigerated	51.5	50.1	S	S	N	N	N	29.4
Van, open top	23.1	23.1	V	V	N	N	N	29.8
Van, step, walk-in, or multistop	145.5	145.5	V	V	N	N	N	16.5
Van, other	17.4	17.4	V	V	N	N	N	32.1
Other	V	V	V	V	N	N	N	N
Truck-tractors	2 514.8	V	2 514.8	N	2 514.8	V	V	3.1
Automobile carrier	35.9	N	35.9	N	35.9	V	V	36.9
Beverage	33.2	N	33.2	N	33.2	V	V	39.2
Curtainside	S	N	S	N	S	V	V	S
Dump	73.0	N	73.0	N	73.0	V	V	22.5
Flatbed, stake, or platform	150.9	N	150.9	N	150.9	V	V	16.2
Livestock	19.8	N	19.8	N	19.8	V	V	40.2
Low boy	38.0	N	38.0	N	38.0	V	V	30.6
Mobile home toter	S	N	S	N	S	V	V	S
Open top	43.0	N	43.0	N	43.0	V	V	25.5
Pole, logging, pulpwood, or pipe	S	N	S	N	S	V	V	S
Tank, dry bulk	68.2	N	68.2	N	68.2	V	V	29.7
Tank, liquids or gases	126.8	N	126.8	N	126.8	V	V	20.2
Van, basic enclosed	1 128.3	N	1 128.3	N	1 128.3	V	V	6.1
Van, drop-frame	19.4	N	19.4	N	19.4	V	V	47.8
Van, insulated nonrefrigerated	S	N	S	N	S	V	V	S
Van, insulated refrigerated	755.4	N	755.4	N	755.4	V	V	8.3
Other	V	N	V	N	V	V	V	N
Not applicable ³	V	V	V	N	V	V	V	N
ANNUAL MILES								
Less than 5,000	678.8	637.8	40.9	33.9	7.1	V	V	11.2
5,000 to 9,999	2 412.4	2 346.7	65.7	S	14.4	V	V	8.8
10,000 to 19,999	8 959.0	8 863.5	95.5	S	32.4	V	V	5.6
20,000 to 29,999	4 633.4	4 451.9	S	S	60.1	V	V	11.6
30,000 to 49,999	4 259.1	3 876.2	383.0	S	144.6	V	V	14.9
50,000 to 74,999	961.9	690.9	271.0	S	265.6	V	V	34.9
75,000 or more	2 344.8	S	2 000.9	S	1 990.7	V	V	13.3
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	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
PRIMARY RANGE OF OPERATION								
Off-the-road	113.0	110.0	S	S	S	V	V	45.6
50 miles or less	15 573.7	15 099.4	474.3	S	236.9	V	V	4.8
51 to 100 miles	2 982.6	2 757.2	225.3	38.5	186.8	V	V	15.3
101 to 200 miles	1 341.4	1 074.3	267.1	S	161.9	V	V	22.8
201 to 500 miles	642.3	267.0	375.3	S	363.2	V	V	18.1
501 miles or more	1 341.9	297.2	1 044.7	S	949.0	V	V	13.4
Not reported	2 254.5	1 605.9	648.7	S	614.0	V	V	12.0
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	20 425.4	19 262.5	1 162.9	496.5	666.4	V	V	3.8
Operated in states other than the home base state	1 861.1	572.6	1 288.6	S	1 288.4	V	V	13.1
Not reported	1 962.8	1 375.9	586.9	S	560.0	V	V	12.8
Not applicable ²	S	S	V	V	V	V	V	S
MONTHS OPERATED								
12	18 809.1	16 396.0	2 413.1	465.0	1 948.1	V	V	4.0
7 to 11	3 414.5	3 046.1	368.4	S	338.0	V	V	13.4
2 to 6	1 992.1	1 746.7	245.5	S	218.4	V	V	17.0
1 or less	33.5	22.1	S	S	S	V	V	26.4
Vehicle not used	S	S	V	V	V	V	V	S
VEHICLE SIZE								
Light	19 896.7	19 790.9	105.8	105.8	V	V	V	3.8
Medium	1 016.9	787.4	S	S	V	V	V	20.8
Light-heavy	461.2	298.0	S	S	S	V	V	27.2
Heavy-heavy	2 879.6	339.8	2 539.9	30.4	2 509.4	V	V	2.8
AVERAGE WEIGHT (POUNDS)								
Less than 6,001	14 322.6	14 248.8	S	S	V	V	V	4.8
6,001 to 8,500	4 541.0	4 516.0	S	S	V	V	V	12.7
8,501 to 10,000	1 033.1	1 026.1	S	S	V	V	V	27.6
10,001 to 14,000	772.1	662.3	S	S	V	V	V	24.2
14,001 to 16,000	48.7	43.6	S	S	V	V	V	25.7
16,001 to 19,500	S	81.5	S	S	V	V	V	S
19,501 to 26,000	461.2	298.0	S	S	S	V	V	27.2
26,001 to 33,000	110.0	86.1	23.9	9.1	S	V	V	17.6
33,001 to 40,000	78.5	56.3	22.1	S	16.7	V	V	19.9
40,001 to 50,000	141.4	61.7	79.7	S	75.8	V	V	13.0
50,001 to 60,000	423.5	89.5	334.0	2.1	332.0	V	V	10.0
60,001 to 80,000	2 105.8	41.2	2 064.5	9.9	2 054.6	V	V	3.8
80,001 to 100,000	19.4	S	S	V	S	V	V	43.1
100,001 to 130,000	S	S	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	18 322.0	18 322.0	V	V	V	V	V	4.1
20.0 to 27.9	1 822.0	1 733.5	88.5	88.5	V	V	V	14.5
28.0 to 35.9	1 140.0	1 084.6	55.5	51.5	S	V	V	24.3
36.0 to 40.9	S	39.6	S	S	24.4	V	V	S
41.0 to 44.9	112.4	22.6	89.8	16.5	73.3	V	V	19.5
45.0 to 49.9	59.0	7.1	52.0	11.7	40.2	V	V	24.4
50.0 to 54.9	218.2	S	211.6	S	96.9	V	V	47.0
55.0 to 59.9	165.2	V	165.2	S	161.3	V	V	15.1
60.0 to 64.9	360.5	V	360.5	S	359.5	V	V	11.7
65.0 to 69.9	856.9	V	856.9	S	855.9	V	V	7.3
70.0 to 74.9	662.6	V	662.6	V	662.6	V	V	8.6
75.0 to 79.9	234.2	V	234.2	V	234.2	V	V	16.1
80.0 or more	S	V	S	V	S	V	V	S
MILES PER GALLON								
Less than 5	271.8	71.9	199.9	4.6	195.3	V	V	12.2
5 to 6.9	1 753.7	218.2	1 535.5	22.6	1 512.9	V	V	4.5
7 to 8.9	450.9	538.1	87.2	17.2	70.0	V	V	16.1
9 to 10.9	915.7	873.2	42.5	32.6	9.9	V	V	19.6
11 to 12.9	1 629.1	1 499.3	S	S	S	V	V	19.3
13 to 14.9	1 851.2	1 848.1	S	S	V	V	V	17.9
15 or more	13 870.8	13 601.2	S	S	S	V	V	5.7
15 to 20.9	11 091.4	10 821.8	S	S	S	V	V	6.9
21 to 24.9	1 935.1	1 935.1	V	V	V	V	V	18.3
25 or more	844.3	844.3	V	V	V	V	V	25.3
Not reported	3 418.9	2 648.0	770.9	S	723.2	V	V	10.9
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
MODEL YEAR							
2003	V	V	V	V	V	V	N
2002	1 797.7	1 451.2	346.5	S	223.0	V	16.9
2001	2 310.8	1 922.5	388.3	S	379.2	V	16.3
2000	3 212.4	2 570.1	642.3	S	606.4	V	13.0
1999	2 234.9	1 807.9	427.0	S	308.3	V	16.1
1998	1 809.2	1 561.3	247.9	S	241.6	V	23.4
1997	1 881.1	1 727.4	153.7	10.3	143.4	V	17.1
1996	1 671.1	1 510.9	160.2	S	138.4	V	19.5
1995	1 992.8	1 826.9	165.9	S	150.4	V	15.3
1994	1 868.0	1 744.5	123.5	S	122.7	V	19.1
1993	765.3	728.5	36.8	V	36.8	V	22.0
Pre-1993	4 711.2	4 364.9	346.3	S	164.7	V	8.7
VEHICLE ACQUISITION							
New	11 644.3	9 877.4	1 766.9	S	1 493.3	V	5.9
Used	11 252.9	10 301.4	951.5	242.9	708.6	V	6.4
Not reported	1 357.3	1 037.2	320.1	S	312.9	V	17.9
LEASE CHARACTERISTICS							
Leased	1 972.7	754.3	1 218.5	14.6	1 203.9	V	11.2
Lessee	1 107.3	561.5	545.8	S	539.6	V	17.2
Vehicle only	357.0	51.5	305.6	S	299.4	V	12.3
Vehicle with driver	240.2	V	240.2	V	240.2	V	15.5
Not reported	V	V	V	V	V	V	N
Not applicable ⁴	510.1	510.1	V	V	V	V	35.6
Lessor	819.9	S	637.3	S	631.9	V	14.1
Vehicle only	663.4	71.1	592.3	S	586.9	V	8.5
Vehicle with driver	55.9	11.0	45.0	V	45.0	V	27.2
Not reported	S	S	V	V	V	V	S
Not applicable ⁴	S	S	V	V	V	V	S
Not reported	45.5	S	35.4	S	32.4	V	33.6
Not leased	13 487.1	12 275.8	1 211.3	S	1 010.2	V	5.7
Not reported	8 794.6	8 186.0	608.7	308.0	300.7	V	7.0
Length of leasing agreement:							
Leased	1 972.7	754.3	1 218.5	14.6	1 203.9	V	11.2
1 to 11 months	100.3	S	97.3	S	93.1	V	19.8
12 months or more	1 227.9	135.8	1 092.2	S	1 083.5	V	6.0
Not reported	34.5	S	29.0	S	27.4	V	39.6
Not applicable ⁴	610.0	610.0	V	V	V	V	34.0
Provisions of lease ⁵ :							
Financing only	616.6	56.0	560.7	S	553.1	V	8.7
Full maintenance	383.0	73.6	309.4	S	308.6	V	11.4
Payment of taxes	837.1	97.2	739.8	S	737.6	V	7.7
Obtaining licenses and permits	936.5	88.3	848.2	S	847.3	V	7.2
Recordkeeping	299.9	34.9	265.0	S	264.2	V	13.6
Fuel contract	111.7	S	106.3	S	105.5	V	22.1
PRIMARY OPERATOR CLASSIFICATION							
Private	5 532.1	4 838.5	693.6	336.5	357.1	V	10.2
Motor carrier	1 322.6	227.8	1 094.8	S	1 088.6	V	6.0
Owner operator	1 182.4	S	938.7	S	923.2	V	16.4
Rental	285.6	133.5	152.0	S	145.9	V	17.8
Personal transportation	15 926.7	15 767.4	S	S	V	V	4.5
Not applicable ²	S	S	V	V	V	V	S
For-hire characteristics:							
Type of carrier:							
Contract	1 057.6	88.3	969.3	S	963.3	V	6.7
Common	772.7	124.1	648.6	S	635.4	V	7.5
Not reported	467.3	51.7	415.6	S	413.1	V	10.9
Not applicable ⁶	21 956.8	20 951.9	1 004.9	501.9	503.0	V	3.4
Type of service:							
Truckload	1 578.4	110.1	1 468.3	S	1 451.7	V	5.1
Less-than truckload	264.4	89.4	175.0	V	175.0	V	11.6
Not reported	454.8	64.6	390.2	S	385.1	V	11.0
Not applicable ⁶	21 956.8	20 951.9	1 004.9	501.9	503.0	V	3.4
Source of hauls:							
Shippers or receivers	1 572.5	121.7	1 450.8	S	1 434.6	V	5.0
Brokers	171.8	13.4	158.4	V	158.4	V	17.3
Centralized markets or exchanges	22.3	21.9	S	S	V	V	38.4
Other	V	V	V	V	V	V	N
Not reported	531.0	107.1	423.9	S	418.8	V	9.9
Not applicable ⁶	21 956.8	20 951.9	1 004.9	501.9	503.0	V	3.4
HAZARDOUS MATERIALS CARRIED⁷							
Carrying hazardous materials	374.3	49.4	324.9	V	324.9	V	11.9
Not carrying hazardous materials	2 784.6	802.1	1 982.4	82.1	1 900.4	V	3.1
Not reported	284.6	131.1	153.5	S	143.6	V	11.3
Not applicable ⁸	20 811.0	20 233.4	577.6	431.7	145.9	V	3.6
EQUIPMENT TYPE^{5 9}							
Aerial work platform/bucket	42.1	30.5	S	S	V	V	25.3
Air bag(s) (safety device only)	14 838.3	14 126.9	711.5	S	463.8	V	5.5
Air compressor (except air brakes)	381.7	63.8	318.0	S	317.4	V	10.9
Air-conditioning	21 578.8	18 796.4	2 782.4	432.1	2 350.3	V	3.7
Air springs	1 295.6	48.8	1 246.8	S	1 242.9	V	5.4

See footnotes at end of table.

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

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

Vehicular and operational characteristics	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	16 365.7	14 323.1	2 042.7	S	1 748.5	V	V	5.0
Collision warning system	53.0	30.7	22.3	S	20.7	V	V	25.8
Computerized drive train control unit	3 510.5	3 295.7	214.8	S	106.2	V	V	13.2
Crane	53.2	44.2	S	S	S	V	V	24.4
Electronic vehicle identification device	146.6	S	128.4	V	128.4	V	V	22.3
Engine retarder/brake	1 828.4	78.4	1 750.0	S	1 745.7	V	V	4.3
Front-wheel drive	10 221.1	10 059.8	S	S	V	V	V	6.5
Hoist	191.6	172.1	19.5	19.5	V	V	V	10.5
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	471.8	10.9	460.8	V	460.8	V	V	10.3
Internet access	112.2	V	112.2	V	112.2	V	V	18.5
Lift gate	125.9	118.2	S	S	V	V	V	17.0
Mounting bar for snowplow	S	S	S	S	V	V	V	S
Navigational system	86.9	S	85.3	V	85.3	V	V	29.7
Power take-off	911.5	274.5	637.0	32.3	604.8	V	V	6.4
Radial tires	17 314.1	15 224.4	2 089.7	S	1 774.7	V	V	4.7
Reflective material in addition to those required by law	946.8	158.4	788.4	16.6	771.8	V	V	6.8
Road speed governor	1 685.5	292.0	1 393.5	8.5	1 384.9	V	V	4.8
Toolbox	3 205.9	2 536.8	669.1	S	399.1	V	V	13.4
Trip recorder or on-board computer with communication capabilities	1 429.3	516.0	913.3	V	913.3	V	V	11.2
Trip recorder or on-board computer without communication capabilities	3 408.5	3 139.0	269.5	S	173.1	V	V	13.4
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	108.1	98.3	S	S	S	V	V	27.6
Transmission type:								
Automatic	16 748.7	16 384.5	364.2	213.2	151.0	V	V	4.7
Manual	6 582.0	4 255.5	2 326.4	S	2 028.7	V	V	6.6
Semiautomated manual	74.7	S	70.8	S	69.4	V	V	25.7
Automated manual	118.5	S	117.8	V	117.8	V	V	17.2
Not reported	730.5	571.3	159.2	S	147.9	V	V	24.5
Braking system:								
Hydraulic (standard)	539.6	398.2	141.4	40.2	101.1	V	V	7.3
Hydraulic with power assist	355.1	297.1	58.0	26.4	31.6	V	V	10.0
Air	2 587.4	314.4	2 273.0	23.1	2 249.9	V	V	3.2
Other	V	V	V	V	V	V	V	N
Not reported	222.7	80.3	142.3	S	132.1	V	V	14.9
Not applicable ¹⁰	20 549.7	20 126.0	423.7	423.7	V	V	V	3.7
FUEL TYPE AND ENGINE SIZE								
Fuel type:								
Gasoline	19 376.8	19 164.3	S	S	S	V	V	3.9
Diesel	4 317.4	1 494.8	2 822.6	S	2 514.7	V	V	6.5
Natural gas	S	S	V	V	V	V	V	S
Propane	16.0	16.0	V	V	V	V	V	35.5
Alcohol fuels	S	S	S	S	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	343.5	343.5	V	V	V	V	V	46.5
Other	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
Cylinders¹¹:								
4 cylinders	2 134.2	2 110.6	S	S	S	V	V	16.1
6 cylinders	13 074.6	10 430.1	2 644.5	S	2 466.8	V	V	5.2
8 cylinders	8 813.2	8 496.5	316.7	313.6	3.1	V	V	7.5
Other	232.4	178.7	53.6	9.2	44.4	V	V	36.9
Cubic inch displacement¹¹:								
Gasoline fuel								
Less than 200	19 376.8	19 164.3	S	S	S	V	V	3.9
200 to 299	4 094.7	4 072.8	S	S	V	V	V	11.6
300 to 349	7 745.4	7 745.4	V	V	V	V	V	8.9
350 to 399	3 395.0	3 390.1	S	S	V	V	V	12.9
400 or more	3 372.4	3 218.4	S	S	V	V	V	12.4
Not available	556.6	529.3	S	S	V	V	V	26.5
Diesel fuel	212.7	208.3	S	S	S	V	V	38.8
Diesel fuel								
Less than 400	4 317.4	1 494.8	2 822.6	S	2 514.7	V	V	6.5
400 to 599	715.7	558.3	S	S	S	V	V	31.2
600 to 799	922.1	758.0	S	S	27.6	V	V	17.2
800 or more	998.8	85.7	913.1	S	907.1	V	V	6.2
Not available	1 171.0	67.4	1 103.6	9.6	1 094.0	V	V	5.7
Other fuel	509.8	25.4	484.4	S	479.8	V	V	10.2
Less than 400	555.1	551.9	S	S	V	V	V	33.8
400 or more	483.5	483.5	V	V	V	V	V	37.0
Not available	S	S	S	S	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	20 189.9	19 663.4	526.5	367.5	159.0	V	V	3.8
Truck stop	2 207.6	321.6	1 886.0	S	1 776.9	V	V	8.0
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	1 247.7	749.9	497.8	42.7	455.1	V	V	13.4
Other company's/contractor's facility not open to the public	169.8	S	91.7	S	90.2	V	V	32.7
Other	S	S	S	V	S	V	V	S
Not reported	362.7	331.2	31.5	S	28.7	V	V	32.8
Not applicable ²	S	S	V	V	V	V	V	S

See footnotes at end of table.

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

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

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
MAINTENANCE⁵								
General maintenance performed by:								
None performed	625.3	604.2	S	S	S	V	V	32.4
Company-owned maintenance facility	3 562.5	1 823.3	1 739.2	37.7	1 701.6	V	V	8.8
General repair business or private mechanic	9 827.5	8 603.8	1 223.7	S	1 058.2	V	V	6.7
Dealership service department	6 117.3	5 167.1	950.1	S	736.3	V	V	9.9
Leasing company	53.9	16.7	37.2	S	36.7	V	V	28.3
Individual not employed/paid by any maintenance type facility	9 109.5	8 638.7	470.8	S	191.5	V	V	7.0
Other	V	V	V	V	V	V	V	N
Not reported	583.8	531.5	52.3	S	35.9	V	V	25.6
Not applicable ²	S	S	V	V	V	V	V	S
Extensive repairs performed by:								
None performed	19 101.4	16 848.3	2 253.1	370.7	1 882.4	V	V	4.0
Company-owned maintenance facility	469.7	266.0	203.6	S	201.0	V	V	25.1
General repair business or private mechanic	1 821.7	1 530.6	291.1	S	167.1	V	V	20.0
Dealership service department	1 553.7	1 179.7	374.0	S	269.0	V	V	19.7
Leasing company	S	S	V	V	V	V	V	S
Component distributorship (engine, transmission, body, etc.)	S	S	S	V	S	V	V	S
Individual not employed/paid by any repair type facility	1 084.7	952.8	S	S	S	V	V	22.3
Other	V	V	V	V	V	V	V	N
Not reported	S	S	V	V	V	V	V	S
Not applicable ²	S	S	V	V	V	V	V	S
AXLE ARRANGEMENT								
Driving axles:								
1	11 283.8	10 873.3	410.5	320.4	90.2	V	V	6.6
2	12 964.7	10 339.3	2 625.3	S	2 422.0	V	V	5.2
3 or more	3.3	S	S	V	S	V	V	48.4
Not reported	S	S	S	V	S	V	V	S
Total liftable axles and locations ¹² :								
None	3 650.0	1 056.4	2 593.6	95.1	2 498.5	V	V	2.5
1	46.9	27.4	19.5	S	S	V	V	21.3
Forward of the drive axle	21.5	15.5	S	S	S	V	V	26.3
Below the chassis	14.1	6.0	S	S	S	V	V	43.6
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	S	4.3	S	V	S	V	V	S
2 or more	S	S	V	V	V	V	V	S
Forward of the drive axle	S	S	V	V	V	V	V	S
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	20 549.7	20 126.0	423.7	423.7	V	V	V	3.7
Total liftable axles and number of braking axles:								
None	3 650.0	1 056.4	2 593.6	95.1	2 498.5	V	V	2.5
1	46.9	27.4	19.5	S	S	V	V	21.3
0 braking	S	S	S	V	S	V	V	S
1 braking	36.1	21.9	14.2	S	S	V	V	22.6
Not reported	S	S	V	V	V	V	V	S
2 or more	S	S	V	V	V	V	V	S
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	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	20 549.7	20 126.0	423.7	423.7	V	V	V	3.7
CAB TYPE								
Conventional cab								
With sleeper	3 434.5	984.0	2 450.6	98.1	2 352.5	V	V	2.6
Without sleeper	1 923.2	V	1 923.2	V	1 923.2	V	V	4.2
Not reported	1 476.8	984.0	492.8	98.1	394.7	V	V	4.1
Not applicable ¹⁰	34.6	V	34.6	V	34.6	V	V	37.6
Cab over engine								
With sleeper	267.9	103.7	164.2	S	162.3	V	V	12.2
Without sleeper	135.3	V	135.3	V	135.3	V	V	20.5
Not reported	131.9	103.7	28.2	S	26.3	V	V	13.1
Not applicable ¹⁰	S	V	S	V	S	V	V	S
Cab forward of engine								
Cab beside engine	S	S	V	V	V	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not applicable ¹⁰	20 549.7	20 126.0	423.7	423.7	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	24 254.5	3 704.7	3.1	2.4		
TRAILER CONFIGURATION						
No trailer pulled	20 946.7	1 127.3	3.5	4.3		
Single trailer pulled	3 297.3	2 566.9	5.0	3.0		
Double trailers pulled	S	S	S	S		
Triple trailers pulled	S	S	S	S		
Not applicable ¹	S	S	S	S		
RANGE OF OPERATION						
Off-the-road	241.7	33.3	22.0	17.1		
50 miles or less	13 937.7	877.2	4.7	4.3		
51 to 100 miles	3 481.3	452.5	11.0	7.1		
101 to 200 miles	1 809.8	308.9	14.2	8.6		
201 to 500 miles	989.3	414.5	10.6	8.5		
501 miles or more	1 535.0	900.6	10.9	7.2		
Not reported	2 254.5	712.6	12.0	7.6		
Not applicable ¹	S	S	S	S		
JURISDICTION						
Operated in Canada	6.8	5.3	30.3	27.0		
Operated in Mexico	S	S	S	S		
Operated within the home base state	19 889.0	1 807.1	3.7	3.3		
Operated in states other than the home base state	2 390.6	1 237.5	8.0	5.4		
Not reported	1 962.8	649.6	12.8	8.0		
Not applicable ¹	S	S	S	S		
OPERATOR CLASSIFICATION						
Private	5 602.3	1 150.1	9.4	4.4		
Motor carrier	1 307.8	1 287.0	6.0	5.9		
Owner operator	1 166.4	998.0	15.1	6.5		
Rental	288.9	251.4	17.6	13.7		
Personal transportation	15 884.0	13.2	4.4	25.6		
Not applicable ¹	S	S	S	S		
For-hire characteristics:						
Type of carrier:						
Contract	927.2	927.2	6.4	6.4		
Common	903.1	903.1	6.1	6.1		
Not reported	467.3	467.3	10.9	10.9		
Not applicable ^{2 3}	21 956.8	1 407.1	3.4	4.2		
Type of service:						
Truckload	325.9	325.9	9.6	9.6		
Less-than truckload	1 516.9	1 516.9	5.1	5.1		
Not reported	454.8	454.8	11.0	11.0		
Not applicable ^{2 3}	21 956.8	1 407.1	3.4	4.2		
PRODUCTS CARRIED⁴						
Animals and fish, live	S	19.1	S	28.2		
Animal feed and products of animal origin	127.1	73.5	22.3	19.9		
Grains, cereal	87.9	38.3	37.6	17.2		
All other agricultural products	177.5	112.9	35.0	18.4		
Basic chemicals	S	22.3	S	43.9		
Fertilizers and fertilizer materials	22.8	16.1	37.9	34.1		
Pharmaceutical products	S	15.6	S	43.6		
All other chemical products and preparations	17.9	17.9	37.8	37.8		
Alcoholic beverages	S	S	S	S		
Bakery and milled grain products	211.2	211.2	12.1	12.1		
Meat, seafood, and their preparations	215.7	183.4	16.9	11.0		
Tobacco products	5.7	5.7	47.3	47.3		
All other prepared foodstuffs	368.9	310.5	17.5	10.2		
Logs and other wood in the rough	17.7	13.1	33.9	33.9		
Paper or paperboard articles	79.8	48.6	41.2	21.7		
Printed products	26.9	24.3	29.2	30.6		
Pulp, newsprint, paper, and paperboard	S	S	S	S		
Wood products	79.0	56.5	22.4	22.0		
Articles of base metal	300.2	61.6	37.8	19.7		
Base metal in primary or semifinished forms	S	61.4	S	20.8		
Nonmetallic mineral products	95.9	72.0	26.5	15.5		
Tools, nonpowered	1 298.8	186.6	18.6	11.2		
Tools, powered	808.4	128.8	30.8	13.1		
Electronic and other electrical equipment	319.9	43.4	40.5	31.2		
Furniture, mattresses, lamps, etc.	173.2	173.2	13.8	13.8		
Machinery	220.1	85.2	39.2	20.7		
Miscellaneous manufactured products	194.4	42.5	47.6	27.1		
Precision instruments and apparatus	S	S	S	S		
Textile, leather, and related articles	37.7	31.2	27.5	25.9		
Vehicles, including parts	136.4	122.3	18.8	19.4		
All other transportation equipment	13.9	13.9	40.5	40.5		
Coal	S	S	S	S		
Crude petroleum	S	S	S	S		
Gravel or crushed stone	63.0	63.0	13.9	13.9		
Metallic ores and concentrates	S	S	S	S		
Monumental or building stone	5.4	5.4	49.0	49.0		
Natural sands	16.2	16.2	33.1	33.1		
All other nonmetallic minerals	18.7	15.4	37.4	40.1		
Fuel oils	29.7	20.9	31.7	32.1		
Gasoline and aviation turbine fuel	18.4	18.4	30.6	30.6		

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	58.4	46.7	28.5	26.9
All other coal and refined petroleum products	26.8	15.1	48.6	37.7
Hazardous waste (EPA manifest)	S	S	S	S
All other waste and scrap (non-EPA manifest)	66.6	54.0	19.9	17.9
Recyclable products	30.2	29.7	30.7	31.2
Mail and courier parcels	207.1	90.3	44.3	23.7
Empty shipping containers	S	21.4	S	27.1
Passengers	S	S	S	S
Mixed freight	338.7	338.7	11.4	11.4
Products, equipment, or materials not elsewhere classified	1.2	1.2	40.5	40.5
Products not specified	604.8	202.7	28.0	13.2
Not applicable ¹	S	S	S	S
HAZARDOUS MATERIALS CARRIED⁴				
Division 1.1, Explosives	S	S	S	S
Division 1.2, Explosives	V	V	N	N
Division 1.3, Explosives	V	V	N	N
Division 1.4, Explosives .....	.5	.5	32.2	32.2
Division 1.5, Explosives	S	S	S	S
Division 1.6, Explosives	S	S	S	S
Division 2.1, Flammable gas	21.8	21.8	30.3	30.3
Division 2.2, Nonflammable gas	S	S	S	S
Division 2.3, Poison gas	S	S	S	S
Class 3, Flammable	26.7	26.7	31.3	31.3
Combustible liquid	10.3	10.3	41.5	41.5
Oxygen 2, Oxygen	S	S	S	S
Division 4.1, Flammable solid .....	.9	.9	40.4	40.4
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 .....	.3	.3	47.2	47.2
Class 7, Radioactive	S	S	S	S
Class 8, Corrosive	6.4	6.4	26.4	26.4
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

