
Section 21

Transportation—Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel, highway mileage and finances, motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics* and other publications.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

The results of the censuses of transportation are presented in the *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

Data are also presented in many nongovernment publications. Among them are the weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the

Association of American Railroads, Washington, DC; *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC.; *Accident Facts*, issued by the National Safety Council, Chicago, IL; and *Transportation in America*, issued by the Eno Foundation for Transportation, Westport, Connecticut.

Federal-aid highway systems—The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 eliminated the historical Federal-Aid Highway Systems and created the National Highway System (NHS) and other Federal-aid highway categories. The final NHS was approved by Congress in December of 1995 under the National Highway System Designation Act.

Functional systems—Roads and streets are assigned to groups according to the character of service intended. The functional systems are (1) arterial highways that generally handle the long trips, (2) collector facilities that collect and disperse traffic between the arterials and the lower systems, and (3) local roads and streets that primarily serve direct access to residential areas, farms, and other local areas.

Regulatory bodies—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers—For 1960-73, Class I for-hire motor carriers of freight were classified by the ICC as those with \$1 million or more of gross annual operating revenue;

1974-79, the class minimum was \$3 million. Effective January 1, 1980, Class I carriers are those with \$5 million or more in revenue. For 1960-68, Class I motor carriers of passengers were classified by the ICC as those with \$200,000 or more of gross annual operating revenue; for 1969-76, as those with revenues of \$1 million or more; and since 1977, as those with \$3 million or more. Effective January 1, 1988, Class I motor carriers of passengers are those with \$5 million or more in operating revenues; Class II less than \$5 million in operating revenues.

Railroads—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their nonoperating subsidiaries), (2) switching and terminal railroads, (3) private railroads prior to 1964 (identified by ICC as “circular” because they reported on brief circulars), and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last three groups are not included in the statistics shown here.

For years prior to 1978, Class I railroads were those with annual revenues of \$1 million or more for 1950-55; \$3 million or more for 1956-64; \$5 million or more for 1965-75; and \$10 million or more for 1976-77. In 1978, the classification became Class I, those having more than \$50 million gross annual operating revenue; Class II, from \$10 million to \$50 million+; and Class III, less than \$10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1988, the criteria for Class I and Class II railroads were \$92.0 million and \$18.4 million, respectively. Also effective January 1, 1982, the ICC adopted a Carrier Classification Index Survey Form for carriers not filing annual report Form R-1 with the commission. Class II and Class III railroads are currently

exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

The Surface Transportation Board (STB) was established pursuant to the ICC Termination Act of 1995, Pub. L. No. 104-88, 109 Stat. 803 (1995) (ICCTA), to assume certain of the regulatory functions that had been administered by the Interstate Commerce Commission. The Board has broad economic regulatory oversight of railroads, addressing such matters as rate reasonableness, car service and interchange, mergers and line acquisitions, line construction, and line abandonments. 49 U.S.C. 10101-11908. Other ICC regulatory functions were either eliminated or transferred to the Federal Highway Administration or the Bureau of Transportation Statistics within DOT.

Class I Railroads are regulated by the STB and subject to the Uniform System of Accounts and required to file annual and periodic reports. Railroads are classified based on their annual operating revenues. The class to which a carrier belongs is determined by comparing its adjusted operating revenues for 3 consecutive years to the following scale: Class I, \$250 million or more, Class II \$20 million to \$250 million, and Class III \$0 to 20 million.

The formula below is used to adjust a railroad's operating revenues to eliminate the effects of inflation:

Current year's revenues * (1991 avg. index/current year's avg. index)

The average index (deflator factor) is based on the annual average Railroad Freight Price Index for all commodities. The factor for 1991 is 1.00; for 1997, 0.9750.

Statistical reliability—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

No. 1007. Passenger and Freight Transportation Outlays by Type of Transport: 1980 to 1997

[In billions of dollars (338.1 represents \$338,100,000,000). Freight data include outlays for mail and express. ICC=Interstate Commerce Commission]

Type of transport	1980	1985	1990	1992	1993	1994	1995	1996	1997
Total outlays ¹	338.1	492.2	630.4	644.6	683.7	715.2	763.4	800.9	833.0
Passenger:									
Private transportation	284.8	418.2	528.3	538.2	575.9	604.8	644.0	675.9	701.3
Automobiles ²	276.7	410.3	518.0	529.3	566.5	594.4	633.5	664.2	687.6
New and used cars	73.3	139.3	165.5	152.9	165.0	184.4	181.8	185.7	189.2
Tires, tubes, accessories	22.2	29.6	25.4	32.8	34.8	31.7	40.2	42.8	43.1
Gasoline and oil	99.7	106.6	120.4	116.1	118.9	117.9	128.4	138.3	140.6
Insurance less claims	11.5	11.6	20.1	28.1	29.5	31.5	32.7	32.6	32.6
Interest on debt	17.5	26.7	35.5	25.7	28.1	34.5	40.7	41.8	38.2
Auto registration fees	2.9	4.8	6.1	7.1	7.4	7.4	7.0	7.1	7.2
Operators' permit fees	0.4	0.5	0.6	0.8	0.7	0.8	0.8	0.8	0.8
Repair, greasing, washing, parking, leasing, rentals ³	38.0	58.1	91.8	103.8	112.2	116.4	128.7	143.6	154.9
Air	8.1	7.9	10.3	8.9	9.5	10.4	10.5	11.7	13.7
For-hire transportation	53.4	73.9	102.1	106.4	107.8	110.4	119.4	125.0	131.7
Local ⁴	19.8	27.3	34.2	36.0	37.4	38.9	43.2	44.3	46.4
Bus and transit ⁵	9.3	13.5	16.7	17.9	18.7	20.0	21.6	21.9	22.8
School bus	3.8	5.9	7.6	8.1	7.6	7.8	9.1	10.4	10.8
Taxi	5.2	5.6	7.1	7.3	7.6	7.8	8.1	8.2	9.0
Railroad commutation	1.5	2.2	2.8	2.7	3.5	3.1	4.5	3.7	3.8
Inter-city	28.3	39.5	53.0	53.1	52.8	53.8	57.7	62.4	65.7
Air	25.1	35.9	49.5	49.2	49.3	50.5	54.0	58.6	61.8
Rail ⁶	1.5	1.6	1.7	1.9	1.8	1.8	2.2	2.2	2.2
Bus	1.7	2.0	1.8	1.9	1.7	1.4	1.5	1.5	1.6
International	5.3	7.1	14.9	17.3	17.6	17.7	18.4	18.4	19.6
Freight, total ⁴	213.7	273.6	350.9	375.1	396.3	419.9	444.5	467.2	504.4
Highway	155.3	205.6	270.8	292.9	311.9	330.7	348.1	368.5	401.7
Truck, intercity	94.6	123.2	162.3	176.8	189.7	204.9	219.6	235.4	257.8
Truck, local	60.5	82.2	108.4	116.0	122.1	125.7	128.4	133.0	143.7
Rail	27.9	29.2	30.1	30.5	30.8	33.1	34.3	35.1	35.3
Water	15.5	18.4	20.1	19.9	20.8	21.2	24.9	25.0	25.3
Oil pipeline	7.5	8.9	8.5	8.5	8.4	8.3	9.1	8.6	8.7
Air carrier	4.0	6.8	13.7	15.0	15.8	17.2	18.7	20.1	22.7

¹ Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes have been excluded to prevent duplication. ² Includes business-owned vehicles. ³ Includes storage. ⁴ Includes items not shown separately. ⁵ Includes Federal, state, and local government operating subsidies and capital grants. ⁶ Includes Federal operating subsidies and capital grants for Amtrak.

Source: Eno Transportation Foundation, Inc., Lansdowne, VA, *Transportation in America*, annual (copyright).

No. 1008. Volume of Domestic Intercity Freight and Passenger Traffic by Type of Transport: 1980 to 1997

[Freight traffic in bil. ton-miles; passenger traffic in bil. passenger-miles. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of one passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

Type of transport	Traffic volume						Percent distribution					
	1980	1985	1990	1995	1996	1997	1980	1985	1990	1995	1996	1997
Freight traffic, total	2,487	2,458	2,895	3,407	3,540	3,622	100.0	100.0	100.0	100.0	100.0	100.0
Railroads	932	895	1,091	1,375	1,426	1,421	37.5	38.0	35.6	37.9	37.6	38.1
Truck:												
ICC truck	242	250	311	401	428	466	9.7	9.9	10.4	11.0	11.3	11.8
Non-ICC truck	313	360	424	520	549	585	12.6	11.8	14.9	15.1	15.6	16.0
Water:												
Rivers/canals	311	306	390	406	408	413	12.5	12.8	13.0	13.3	13.0	12.0
Great Lakes	96	76	85	91	90	95	3.9	4.0	2.7	2.5	2.5	2.7
Oil pipelines	588	564	584	601	631	628	23.6	23.2	23.1	19.9	19.5	19.1
Domestic airways ¹	5	7	10	13	13	14	0.2	0.2	0.3	0.3	0.4	0.4
Passenger traffic, total	1,468	1,636	2,034	2,337	2,405	2,476	100.0	100.0	100.0	100.0	100.0	100.0
Private automobiles	1,210	1,310	1,639	1,881	1,917	1,968	82.5	82.7	79.4	81.3	81.3	81.3
Domestic airways ²	15	12	13	10	11	13	1.0	14.7	-	0.6	0.5	0.5
Air, public carrier	204	278	346	404	435	453	13.9	-	-	16.3	16.5	16.5
Bus ³	27	24	23	28	29	30	1.9	1.8	1.4	1.1	1.1	1.1
Railroads ⁴	11	11	13	14	13	14	0.7	0.7	0.7	0.7	0.7	0.6

- Represents zero. ¹ Revenue service only for scheduled and nonscheduled carriers, with small section 418 all-carrier carriers included. Includes express mail, and excess baggage. ² Includes general aviation (mostly private business) flying. ³ Excludes school and urban transit buses. ⁴ Includes intercity (Amtrak) and rail commuter service.

Source: Eno Transportation Foundation, Inc., Lansdowne, VA, *Transportation in America*, annual (copyright).

No. 1009. Transportation Industry Summary: 1992

[Includes only establishments with payroll]

Kind of business	SIC code ¹	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll	Paid employees for pay period including March 12 (number)
Total transportation, except U.S. Post Office.	(X)	(NA)	327,623	92,211	(NA)	3,356,872
Railroad transportation ²	40	(NA)	28,349	8,753	(NA)	197,421
Passenger transportation	41	17,805	12,649	5,191	1,246	354,913
Local and suburban passenger transportation	411	8,275	5,968	2,624	613	153,278
Taxicabs	412	3,337	992	306	75	26,338
Other bus transport, and terminal service	413, 4, 5, 7	6,193	5,689	2,261	558	175,297
Motor freight transportation and warehousing	42	110,908	143,794	39,896	9,196	1,580,095
Trucking and courier services, except air	421	101,169	135,437	37,760	8,691	1,484,655
Local trucking with storage	4214	4,512	4,191	1,346	303	64,417
Public warehousing and storage	422	9,718	8,330	2,127	504	95,145
Trucking terminal facilities	423	21	27	8	2	295
Pipelines, except natural gas	46	84	7,063	821	203	16,779
Transportation services	47	46,593	23,890	7,850	1,854	329,202

NA Not available. X Not applicable. ¹ 1987 Standard Industrial Classification, see Section 13, Labor Force. ² Includes Class I Freight railroads only. Source: Association of American Railroads, Washington, DC, *Railroad Facts*, annual. Source: Except as noted, U.S. Census Bureau, *Census of Transportation, Communications and Utilities: 1992*.

No. 1010. Employment and Earnings in Transportation by Industry: 1980 to 1999

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III]

Industry	SIC code ¹	1980	1985	1990	1995	1996	1997	1998	1999
NUMBER (1,000)									
Total transportation	(X)	2,960	2,997	3,511	3,904	4,019	4,123	4,276	4,425
Railroads	40	532	359	279	238	231	227	231	230
Local and interurban passengers	41	265	277	338	419	437	452	468	482
Trucking and warehousing	42	(NA)	(NA)	1,395	1,587	1,637	1,677	1,745	1,813
Water transportation	44	211	185	177	175	174	179	180	181
Air transportation	45	(NA)	(NA)	968	1,068	1,107	1,134	1,183	1,237
Pipelines, exc. natural gas	46	21	19	19	15	15	14	14	13
Transportation services	47	(NA)	(NA)	336	401	418	441	455	469
AVG. WEEKLY EARNINGS (dol.)									
Class I railroads	4011	427	595	727	811	850	892	845	797
Local and interurban passengers	41	217	261	310	358	367	375	387	398
Trucking and warehousing	42	(NA)	(NA)	450	504	515	532	545	561
Pipelines, exc. natural gas	46	441	629	711	888	909	902	918	944

NA Not available. X Not applicable. ¹ 1987 Standard Industrial Classification, see text, Section 13, Labor Force. Source: U.S. Bureau of Labor Statistics, Bulletin 2445 and 2481, Employment and Earnings, March and June issues.

No. 1011. Transportation Accidents, Deaths, and Injuries: 1990 and 1998

[For related data, see also Table 1043]

Year and casualty	Type of transport												
	Motor vehicle ¹ (1,000)	Railroad ²	Air carriers					General aviation	Recreational boating ⁶	Gas pipe-lines ⁷	Water-borne ⁸	Rail Rapid Transit ⁹	Hazardous materials ¹⁰
			Total	Air-lines ³	Com-muter air carriers ⁴	On demand air carriers ⁵							
Accidents:													
1990 . . .	6,471	2,879	146	24	15	106	2,215	6,411	198	3,613	12,178	8,880	
1998 . . .	6,335	2,575	135	48	8	79	1,709	8,175	232	2,837	(NA)	15,349	
Deaths:													
1990 . . .	44.6	599	97	39	7	50	767	865	6	85	117	8	
1998 . . .	41.5	577	46	1	-	45	621	813	17	31	(NA)	13	
Injuries:													
1990 . . .	3,231	22,736	76	29	11	36	402	3,822	69	175	10,036	423	
1998 . . .	3,192	10,156	41	28	2	11	332	4,613	73	83	(NA)	198	

- Represents or rounds to zero. NA Not available. ¹ Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition. Includes only police reported crashes. ² Accidents which result in damages to railroad property. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. ³ Includes scheduled and nonscheduled (charter) air carriers. Represents serious injuries. ⁴ All scheduled service. Represents serious injuries. ⁵ All nonscheduled service. Represents serious injuries. ⁶ Accidents resulting in death; injury or requiring medical treatment beyond first aid; damages exceeding \$500; or a person's disappearance. ⁷ Pipeline accidents/incidents are credited to year of occurrence; prior data are credited to the year filed. ⁸ Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding \$25,000; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. ⁹ Reporting criteria and source of data changed between 1989 and 1990; these data from 1990 to present are not comparable to earlier years. ¹⁰ Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, annual*.

No. 1012. Commodity Shipments—Value, Tons, and Ton-Miles: 1993 and 1997

Mode of transportation	Value		Tons		Ton-miles	
	1993	1997	1993	1997	1993	1997
All modes	5,846,334	6,943,988	9,688,493	11,089,733	2,420,915	2,661,363
Single modes	4,941,452	5,719,558	8,922,286	10,436,538	2,136,873	2,383,473
Truck ¹	4,403,494	4,981,531	6,385,915	7,700,675	869,536	1,023,506
For-hire truck	2,625,093	2,901,345	2,808,279	3,402,605	629,000	741,117
Private truck	1,755,837	2,036,528	3,543,513	4,137,294	235,897	268,592
Rail	247,394	319,629	1,544,148	1,549,817	942,561	1,022,547
Water	61,628	75,840	505,440	563,369	271,998	261,747
Shallow draft	40,707	53,897	362,454	414,758	164,371	189,284
Great Lakes	(S)	1,504	33,041	38,421	12,395	13,415
Deep draft	19,749	20,439	109,945	110,191	95,232	59,047
Air (includes truck and air)	139,086	229,062	3,139	4,475	4,009	6,233
Pipeline ²	89,849	113,497	483,645	618,202	(S)	(S)
Multiple modes	662,603	945,874	225,676	216,673	191,461	204,514
Parcel, U.S. Postal Service or courier	563,277	855,897	18,892	23,689	13,151	7,994
Truck and rail	83,082	75,695	40,624	54,246	37,675	55,561
Truck and water	9,392	8,241	67,995	33,215	40,610	34,767
Rail and water	3,636	1,771	79,222	79,275	70,219	71,590
Other multiple modes	3,216	4,269	18,943	26,248	(S)	18,603
Other and unknown modes	242,279	278,555	540,530	436,521	92,581	73,376

S Data do not meet publication standards due to high sampling variability or other reasons. ¹ Truck as a single mode includes shipments that went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck. ² Excludes most shipments of crude oil.

Source: U.S. Bureau of Transportation Statistics, *Transportation 1997 Commodity Flow Survey*.

No. 1013. Hazardous Material Shipment Characteristics: 1997

Item	Value		Tons		Ton-miles		Average miles per shipment
	Number (mil. dol.)	Percent	Number (1,000)	Percent	Number (mil.)	Percent	
MODE OF TRANSPORTATION							
All modes	466,407	100.0	1,565,196	100.0	263,809	100.0	113
Single modes	452,727	97.1	1,541,716	98.5	258,912	98.1	95
Truck ¹	298,173	63.9	869,796	55.6	74,939	28.4	73
For-hire truck	134,308	28.8	336,363	21.5	45,234	17.1	260
Private truck	160,693	34.5	522,666	33.4	28,847	10.9	35
Rail	33,340	7.1	96,626	6.2	74,711	28.3	853
Water	26,951	5.8	143,152	9.1	68,212	25.9	(S)
Air (includes truck and air)	8,558	1.8	66	(Z)	95	(Z)	1,462
Pipeline ²	85,706	18.4	432,075	27.6	(S)	(S)	(S)
Multiple modes	5,735	1.2	6,022	0.4	3,061	1.2	645
Parcel, U.S. Postal Service or courier	2,874	0.6	143	(Z)	78	(Z)	697
Other multiple modes	2,861	0.6	5,879	0.4	2,982	1.1	(S)
Other and unknown modes	7,945	1.7	17,459	1.1	1,837	0.7	38
HAZARDOUS CLASS AND DESCRIPTION							
Total	466,407	100.0	1,565,196	100.0	263,809	100.0	113
Class 1, explosives	4,342	0.9	1,517	0.1	(S)	(S)	549
Class 2, gases	40,884	8.8	115,021	7.3	21,842	8.3	66
Class 3, flammable liquids	335,619	72.0	1,264,281	80.8	159,979	60.6	73
Class 4, flammable solids	3,898	0.8	11,804	0.8	9,618	3.6	838
Class 5, oxidizers and organic peroxides	4,485	1.0	9,239	0.6	4,471	1.7	193
Class 6, toxic (poison)	10,086	2.2	6,366	0.4	2,824	1.1	402
Class 7, radioactive materials	2,722	0.6	87	(Z)	48	(Z)	445
Class 8, corrosive materials	40,423	8.7	91,564	5.9	41,161	15.6	201
Class 9, misc. dangerous goods	23,946	5.1	65,317	4.2	22,727	8.6	323

S Data do not meet publication standards because of high sampling variability or other reasons. Z Represents or rounds to zero. ¹ "Truck" as a single mode includes shipments which went by private truck only, for-hire truck only or a combination of private truck and for-hire truck. ² Commodity Flow Survey data exclude most shipments of crude oil.

Source: U.S. Census Bureau, 1997 Economic Census, *Commodity Flow Survey*.

No. 1014. Highway Mileage—Functional Systems and Urban/Rural: 1998

[As of Dec. 31. For definition of urban, rural, see text, this section]

State	Functional systems						
	Total ¹	Interstate	Other arterial	Collector	Local	Urban	Rural
U.S	3,906,292	46,084	378,794	792,619	2,679,632	841,643	3,064,649
AL	94,227	905	8,754	20,310	64,237	20,630	73,597
AK	12,680	1,083	1,505	2,744	7,348	1,810	10,870
AZ	53,968	1,168	4,746	8,554	39,400	17,318	36,650
AR	95,110	542	6,841	20,133	67,480	9,988	85,122
CA	165,948	2,426	26,669	31,874	103,582	83,535	82,413
CO	85,270	952	8,168	16,600	59,329	14,000	71,270
CT	20,726	346	2,849	2,979	14,355	11,742	8,984
DE	5,733	41	618	944	4,119	1,984	3,749
DC	1,421	12	254	156	981	1,421	-
FL	115,415	1,472	12,049	14,395	87,079	48,336	67,079
GA	113,554	1,244	13,116	23,155	75,874	27,370	86,184
HI	4,218	55	749	822	2,558	1,874	2,344
ID	46,108	611	3,752	9,825	31,920	3,915	42,193
IL	137,963	2,165	13,897	21,511	100,308	35,905	102,058
IN	93,344	1,172	7,914	22,632	61,491	19,859	73,485
IA	112,810	782	9,465	31,506	71,057	9,464	103,346
KS	133,825	872	9,187	33,296	90,335	10,080	123,745
KY	73,635	762	5,474	17,626	49,682	11,023	62,612
LA	60,747	894	5,301	12,538	41,968	13,929	46,818
ME	22,638	367	2,314	5,940	13,999	2,629	20,009
MD	30,188	481	3,555	5,018	20,900	14,235	15,953
MA	35,254	566	5,645	5,485	23,353	23,061	12,193
MI	121,482	1,241	12,226	25,761	82,031	29,737	91,745
MN	131,188	913	12,539	29,644	87,947	15,747	115,441
MS	73,295	685	7,070	15,556	49,943	7,923	65,372
MO	122,847	1,178	9,380	24,971	86,998	16,367	106,480
MT	69,890	1,191	6,008	16,395	46,296	2,485	67,405
NE	92,743	482	7,873	20,800	63,571	5,132	87,611
NV	35,413	566	2,867	5,278	26,665	5,693	29,720
NH	15,124	224	1,548	2,670	10,642	2,930	12,194
NJ	35,920	420	5,412	4,587	25,189	24,212	11,708
NM	59,914	1,000	4,514	7,002	47,395	6,145	53,769
NY	112,525	1,499	13,642	20,533	76,026	40,824	71,701
NC	98,608	988	8,933	17,774	70,625	23,090	75,518
ND	86,603	572	5,873	11,499	68,659	1,834	84,769
OH	116,221	1,573	10,612	22,142	81,509	33,465	82,756
OK	112,524	930	7,839	25,387	78,234	13,158	99,366
OR	68,478	727	6,807	17,428	43,461	10,689	57,789
PA	119,281	1,751	13,166	19,767	84,111	34,138	85,143
RI	6,048	68	835	857	4,220	4,704	1,344
SC	64,895	828	6,812	13,391	43,796	10,608	54,287
SD	83,412	678	6,296	19,272	57,166	1,979	81,433
TN	86,601	1,073	8,657	18,067	58,690	17,591	69,010
TX	296,581	3,233	28,399	63,171	200,555	82,286	214,295
UT	41,341	938	3,332	7,815	29,248	7,248	34,093
VT	14,251	320	1,297	3,117	9,498	1,371	12,880
VA	69,860	1,118	8,174	14,204	46,156	18,828	51,032
WA	80,229	764	7,297	16,796	55,059	17,653	62,576
WV	35,829	549	3,236	8,780	23,255	3,190	32,639
WI	111,951	744	11,663	21,416	77,953	16,231	95,720
WY	28,456	913	3,665	10,496	13,379	2,277	26,179

- Represents zero. ¹ Includes freeways and expressways not shown separately.
Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1015. Highway Mileage—Urban and Rural by Type and Control and Federal-Aid Highway System: 1980 to 1998

[In thousands, except percent (3,995 represents 3,995,000). As of Dec. 31. Data for urban and rural mileage are not comparable to years prior to 1980 because of classification changes; see text, this section]

Type and control	1980	1985	1990	1993	1994	1995	1996	1997	1998
Total mileage ¹	2³,955	3,862	3,880	3,905	3,906	3,912	3,934	3,959	3,906
Urban mileage	624	691	757	803	814	814	834	843	842
Under State control	79	111	96	106	110	(NA)	113	113	110
Under local control	543	578	661	696	702	(NA)	719	589	730
Rural mileage	2 ³ ,331	3,171	3,123	3,102	3,093	3,093	3,100	3,116	3,065
Percent surfaced ³	77.5	88.1	88.6	88.7	91.3	(NA)	89	(NA)	(NA)
Under state control	702	773	703	675	690	(NA)	693	677	661
Under local control	2,270	2,173	2,242	2,247	2,229	(NA)	2,238	2,140	2,285
Under Federal control	262	225	178	180	174	(NA)	169	(NA)	118

NA Not available. ¹ Beginning 1985, includes only public road mileage as defined 23 USC 402. ² Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. ³ Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1016. Bridge Inventory—Nondeficient and Deficient, 1992 to 1998, and by State, 1998

State and year	Deficient and obsolete						
	Number of bridges	Total number	Percent	Structurally deficient		Functionally obsolete	
				Number	Percent	Number	Percent
1992, total	572,453	199,219	34.8	118,757	20.7	80,462	14.1
1993, total	574,191	191,574	33.4	111,543	19.4	80,031	13.9
1994, total	576,472	187,321	32.5	107,512	18.6	79,809	13.8
1995, total	577,919	183,853	31.8	103,636	17.9	80,217	13.9
1996, total	582,043	182,761	31.4	101,544	17.4	81,217	14.0
1997, total	583,207	175,987	30.2	98,521	16.9	77,466	13.3
U.S. total, 1998	583,414	172,686	29.6	93,119	16.0	79,567	13.6
Alabama	15,591	4,965	31.8	2,767	17.7	2,198	14.1
Alaska	1,368	396	28.9	157	11.5	239	17.5
Arizona	6,713	660	9.8	203	3.0	457	6.8
Arkansas	12,523	3,320	26.5	1,653	13.2	1,667	13.3
California	23,267	6,309	27.1	1,462	6.3	4,847	20.8
Colorado	7,882	1,477	18.7	655	8.3	822	10.4
Connecticut	4,146	1,198	28.9	374	9.0	824	19.9
Delaware	799	149	18.6	65	8.1	84	10.5
District of Columbia	246	169	68.7	41	16.7	128	52.0
Florida	11,028	2,330	21.1	306	2.8	2,024	18.4
Georgia	14,339	3,935	27.4	1,964	13.7	1,971	13.7
Hawaii	1,060	541	51.0	127	12.0	414	39.1
Idaho	4,035	783	19.4	338	8.4	445	11.0
Illinois	25,267	5,439	21.5	3,373	13.3	2,066	8.2
Indiana	17,908	4,562	25.5	2,560	14.3	2,002	11.2
Iowa	24,735	7,027	28.4	4,711	19.0	2,316	9.4
Kansas	25,962	7,294	28.1	3,760	14.5	3,534	13.6
Kentucky	13,273	4,149	31.3	1,273	9.6	2,876	21.7
Louisiana	13,515	4,934	36.5	2,769	20.5	2,165	16.0
Maine	2,354	872	37.0	412	17.5	460	19.5
Maryland	4,814	1,424	29.6	462	9.6	962	20.0
Massachusetts	4,974	2,467	49.6	661	13.3	1,806	36.3
Michigan	10,631	3,490	32.8	2,059	19.4	1,431	13.5
Minnesota	12,614	2,264	17.9	1,522	12.1	742	5.9
Mississippi	16,656	5,574	33.5	4,163	25.0	1,411	8.5
Missouri	22,856	9,458	41.4	6,920	30.3	2,538	11.1
Montana	5,000	1,154	23.1	574	11.5	580	11.6
Nebraska	15,541	4,727	30.4	2,850	18.3	1,877	12.1
Nevada	1,307	224	17.1	73	5.6	151	11.6
New Hampshire	2,339	825	35.3	414	17.7	411	17.6
New Jersey	6,317	2,476	39.2	1,075	17.0	1,401	22.2
New Mexico	3,647	670	18.4	294	8.1	376	10.3
New York	17,282	8,928	51.7	6,684	38.7	2,244	13.0
North Carolina	16,493	5,512	33.4	2,826	17.1	2,686	16.3
North Dakota	4,568	1,244	27.2	954	20.9	290	6.3
Ohio	27,832	7,538	27.1	3,799	13.6	3,739	13.4
Oklahoma	22,827	9,466	41.5	8,014	35.1	1,452	6.4
Oregon	7,215	1,617	22.4	395	5.5	1,222	16.9
Pennsylvania	21,956	9,158	41.7	5,510	25.1	3,648	16.6
Rhode Island	751	366	48.7	182	24.2	184	24.5
South Carolina	9,039	1,913	21.2	1,044	11.5	869	9.6
South Dakota	6,055	1,561	25.8	1,154	19.1	407	6.7
Tennessee	19,122	4,878	25.5	2,109	11.0	2,769	14.5
Texas	47,173	10,592	22.5	3,812	8.1	6,780	14.4
Utah	2,692	579	21.5	325	12.1	254	9.4
Vermont	2,697	1,028	38.1	578	21.4	450	16.7
Virginia	12,584	3,690	29.3	1,254	10.0	2,436	19.4
Washington	7,440	1,933	26.0	513	6.9	1,420	19.1
West Virginia	6,640	2,853	43.0	1,352	20.4	1,501	22.6
Wisconsin	13,326	2,939	22.1	1,950	14.6	989	7.4
Wyoming	3,024	662	21.9	405	13.4	257	8.5
Puerto Rico	1,991	967	48.6	222	11.2	745	37.4

Source: U.S. Federal Highway Administration, Office of Technology, unpublished data.

No. 1017. Highway Pavement Condition by Type of Road System: 1996

Condition	Urban areas						Rural areas				
	Total	Inter-state	Other			Collector	Total	Inter-state	Other principal arterial	Minor arterial	Major collector
			Free-ways and express-ways	Principal arterial	Minor arterial						
Percent of road mileage rated—											
Above average	35	38	33	25	42	34	42	55	43	39	40
Average	42	53	55	49	37	39	42	41	49	51	38
Below average	23	9	12	26	21	27	17	4	7	11	22

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1018. Funding for Federal, State and Local Highways: 1980 to 1998

[In millions of dollars (39,834 represents \$39,834,000,000). Data compiled from reports of state and local authorities]

Type	1980	1985	1990	1994	1995	1996	1997	1998
Total receipts	39,834	61,373	75,444	91,312	96,269	102,771	107,421	109,881
Current income	37,723	55,297	69,880	84,017	87,620	94,972	98,667	100,975
Imposts on highway users ¹	22,647	35,768	44,346	55,387	59,331	64,052	66,266	69,227
Other taxes and fees	12,004	15,231	19,827	21,598	21,732	23,830	25,424	24,274
Investment income, other receipts	3,072	4,298	5,707	7,032	6,557	7,090	6,977	7,474
Bond issue proceeds ²	2,111	6,076	5,564	7,295	8,649	7,799	8,754	8,906
Intergovernmental payments	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Funds from (+) or to (-) reserves ³	1,929	-3,901	-36	-1,120	-2,791	-4,689	-5,468	-2,689
Total funds available	41,763	57,472	75,408	90,192	93,478	98,082	101,953	107,192
Total disbursements	41,763	57,472	75,408	90,192	93,478	98,082	101,953	107,192
Current disbursements	40,052	54,697	72,457	85,645	88,994	93,492	97,320	101,995
Capital outlay	20,305	26,583	35,151	42,379	44,228	46,810	48,360	51,614
Maintenance and traffic services	11,445	16,589	20,365	23,553	24,319	25,564	26,777	27,235
Administration and research	3,022	4,175	6,501	8,376	8,419	8,445	8,256	8,519
Law enforcement and safety	3,824	5,241	7,235	7,673	8,218	8,897	9,761	10,155
Interest on debt	1,456	2,109	3,205	3,664	3,810	3,776	4,166	4,472
Debt retirement ²	1,711	2,775	2,951	4,547	4,484	4,590	4,633	5,197

X Not applicable. ¹ Excludes amounts later allocated for nonhighway purposes. ² Excludes issue and redemption of short-term notes or refunding bonds. ³ Plus sign (+) indicates net receipt of funds from other levels of government; minus sign (-) indicates net disbursement of funds to other levels.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and releases.

No. 1019. Public Highway Debt—State and Local Governments: 1980 to 1998

[In millions of dollars (2,381 represents \$2,381,000,000). Long-term obligations. Data are for varying calendar and fiscal years. Excludes duplicated and interunit obligations]

Item	1980	1985	1990	1992	1993	1994	1995	1996	1997	1998
Total debt issued	2,381	8,194	5,708	12,988	14,178	10,833	11,305	9,728	12,347	(NA)
State	1,160	5,397	3,147	9,460	10,035	5,739	4,718	6,653	8,174	9,789
Local	1,221	2,797	2,561	3,528	4,143	5,094	6,587	3,075	4,173	(NA)
Total debt redeemed	1,987	5,294	3,120	7,809	11,554	6,178	5,634	6,380	7,043	(NA)
State	1,114	3,835	1,648	5,532	8,813	3,698	2,939	4,161	4,228	6,466
Local	873	1,459	1,472	2,277	2,741	2,480	2,695	2,219	2,815	(NA)
Total debt outstanding	27,616	32,690	46,586	53,539	58,373	63,062	68,733	72,197	77,501	(NA)
Local	7,406	11,413	18,224	19,353	22,965	25,613	29,505	30,477	31,835	(NA)

NA Not available.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1023. Selected Motor Vehicle Indicators by Model Year: 1992 to 1999

[In thousands of units (13,118 represents 13,118,000), except as indicated. A model year begins on Oct. 1, and ends on Sept. 30. It covers the fourth quarter of one calendar year and the first three quarters of the next calendar year]

Sales and expenditures	1992	1993	1994	1995	1996	1997	1998	1999
New motor vehicle sales	13,118	14,199	15,413	15,118	15,456	15,498	15,963	17,414
New-car sales	8,214	8,518	8,990	8,636	8,527	8,273	8,142	8,697
Domestic	6,277	6,734	7,255	7,129	7,254	6,906	6,764	6,982
Import	1,938	1,784	1,735	1,507	1,273	1,366	1,378	1,715
New-truck sales	4,903	5,681	6,422	6,481	6,929	7,226	7,821	8,717
Light	4,629	5,346	6,034	6,053	6,519	6,797	7,297	8,072
Domestic	4,233	4,981	5,638	5,663	6,088	6,226	6,651	7,310
Import	396	365	396	391	431	571	646	763
Other	275	336	388	428	411	429	524	645
Domestic-car production	5,666	5,979	6,614	6,350	6,080	5,927	5,547	5,641
Avg. expenditure per new car ¹ (dollar)	16,336	16,871	17,903	17,959	18,777	19,551	20,849	21,022
Domestic (dollar)	15,644	15,976	16,930	16,864	17,468	17,838	18,579	18,725
Import (dollar)	18,593	20,261	21,989	23,202	26,205	28,193	31,986	30,350

¹ BEA estimate based on the manufacturer's suggested retail price.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, November 1997. Data from American Automobile Manufacturers Assoc., Inc., Washington, DC, and Ward's Automotive Reports; seasonally adjusted by BEA.

No. 1024. New and Used Car Sales and Leases: 1990 to 1998

[In thousands, except as indicated]

Item	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total car sales	46,830	45,465	45,163	46,575	49,132	50,393	49,355	48,542	48,372
New passenger car sales ¹	9,300	8,175	8,213	8,518	8,991	8,635	8,527	8,272	8,142
Used passenger car sales ²	37,530	37,290	36,950	38,057	40,141	41,758	40,828	40,270	40,230
Value of transactions (bil. dol.)	219	230	247	279	312	338	337	338	336
Average price (dol.)	5,830	6,157	6,693	7,335	7,781	8,093	8,257	8,399	8,353
New passenger car leases³	534	667	882	1,197	1,715	1,795	1,808	2,062	1,985

¹ Includes leased cars. ² Includes sales from franchised dealers, independent dealers, and casual sales. ³ Consumer leases only.

Source: New passenger car sales: 1970-97, American Automobile Manufacturers Association, *Motor Vehicle Facts & Figures*, 1998, Detroit, MI; 1998, Ward's Communications, personal communication, Apr. 7, 1999; Used passenger car sales: ADT Automotive, 1999 *Used Car Market Report* Nashville, TN; Leased passenger cars: CNW Marketing/Research, Bandon, OR, personal communication, Jan. 25, 1999.

No. 1025. Number of Households Leasing Vehicles and Number of Vehicles Leased per Household: 1989 to 1998

Item	Share of households leasing a vehicle for personal use (percents)				Average number of leased vehicles, among households having such vehicles			
	1989	1992	1995	1998	1989	1992	1995	1998
All households	2.5	2.9	4.5	6.4	1.1	1.1	1.1	1.2
Household income:								
Less than \$10,000	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.2
\$10,000 to \$24,999	(Z)	(Z)	1.5	4.0	(Z)	(Z)	1.0	1.1
\$25,000 to \$49,999	(Z)	3.3	3.4	5.0	(Z)	1.1	1.0	1.1
\$50,000 to \$99,999	6.1	4.1	9.4	9.5	1.1	1.1	1.2	1.2
\$100,000 and over	5.0	9.6	14.2	14.8	1.2	1.1	1.3	1.3
Age of household head:								
Less than 35 years	4.2	3.2	4.8	8.2	1.1	1.0	1.0	1.1
35 to 44 years	3.0	4.2	5.4	8.3	1.0	1.1	1.1	1.1
45 to 54 years	3.3	3.2	7.8	7.6	1.1	1.2	1.2	1.3
55 to 64 years	(Z)	3.2	4.1	4.4	1.6	1.2	1.2	1.1
65 to 74 years	(Z)	1.0	1.3	2.9	(Z)	1.0	1.1	1.2
75 years and over	(Z)	(Z)	0.5	1.9	(Z)	(Z)	1.0	1.0
Race/ethnicity of respondent:								
White non-Hispanic	2.7	3.1	4.4	6.3	1.1	1.1	1.1	1.1
Non-White and Hispanic	(Z)	2.3	4.9	6.5	(Z)	1.1	1.1	1.3
Work status of household head:								
Work for someone else	3.5	3.4	6.0	8.1	1.1	1.1	1.1	1.2
Self employed	3.4	7.2	5.2	9.0	1.0	1.1	1.3	1.1
Retired	(Z)	0.7	1.3	1.5	(Z)	1.3	1.0	1.2
Other not working	(Z)	(Z)	3.0	(Z)	(Z)	(Z)	1.0	(Z)
Homeownership status:								
Owner	2.2	3.5	5.8	7.2	1.1	1.1	1.2	1.2
Renter or other	3.0	1.8	2.3	4.8	1.1	1.1	1.1	1.1
Net worth percentile:								
Bottom 25%	(Z)	2.1	2.7	4.8	(Z)	1.1	1.1	1.1
25-49.9%	2.8	(Z)	4.2	5.4	1.1	(Z)	1.0	1.1
50-74.9%	2.5	3.1	4.2	6.8	1.1	1.1	1.1	1.2
75-89.9%	2.9	3.5	6.2	7.8	1.0	1.0	1.2	1.2
Top 10%	2.5	6.4	8.3	9.5	1.3	1.2	1.3	1.2

Z Ten or fewer observations.

Source: Board of Governors of the Federal Reserve System, *Survey of Consumer Finances*.

No. 1026. Motor Vehicle Registrations, 1980 to 1998, and Drivers Licenses and Motorcycle Registrations 1998 by State

[In thousands (155,796 represents 155,796,000). Motor vehicle registrations cover publicly, privately, and commercially owned vehicles. For uniformity, data have been adjusted to a calendar-year basis as registration years in states differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

State	Automobiles, trucks, and buses ¹							1998			
								1998 Total	Auto- mobiles (incl. taxis)	Motor- cycle registration (incl. official)	Drivers licenses
	1980	1985	1990	1995	1996	1997					
U.S	155,796	171,654	188,798	201,530	206,365	207,754	211,617	131,839	3,839	184,980	
AL	2,938	3,338	3,744	3,553	3,324	3,669	3,859	2,063	44	3,434	
AK	262	353	477	542	531	542	546	232	14	457	
AZ	1,917	2,235	2,825	2,873	2,983	3,143	2,944	1,728	54	3,198	
AR	1,574	1,384	1,448	1,613	1,633	1,634	1,754	929	21	1,918	
CA	16,873	18,899	21,926	22,432	25,214	24,945	25,600	16,174	390	20,499	
CO	2,342	2,759	3,155	2,812	3,433	3,523	3,466	1,843	97	2,946	
CT	2,147	2,465	2,623	2,622	2,609	2,660	2,701	1,998	50	2,349	
DE	397	465	526	592	593	614	616	417	10	546	
DC	268	326	262	243	237	234	229	192	1	350	
FL	7,614	9,865	10,950	10,369	10,889	10,874	11,276	7,438	216	12,027	
GA	3,818	4,580	5,489	6,120	6,283	6,242	6,893	4,033	85	5,316	
HI	570	651	771	802	786	693	704	450	20	746	
ID	834	854	1,054	1,043	1,061	1,081	1,119	502	34	863	
IL	7,477	7,727	7,873	8,973	8,817	8,443	9,307	6,425	204	7,701	
IN	3,826	4,024	4,366	5,072	5,216	5,346	5,372	3,273	102	3,976	
IA	2,329	2,696	2,632	2,814	2,869	2,851	3,053	1,738	128	1,950	
KS	2,007	2,148	2,012	2,085	2,110	2,152	2,121	1,127	47	1,851	
KY	2,593	2,615	2,909	2,631	2,696	2,781	2,845	1,716	40	2,640	
LA	2,779	3,012	2,995	3,286	3,318	3,411	3,431	1,967	39	2,736	
ME	724	840	977	967	959	1,059	930	565	28	913	
MD	2,803	3,276	3,607	3,654	3,635	3,786	3,750	2,622	43	3,178	
MA	3,749	3,738	3,726	4,502	4,702	5,070	5,159	3,763	100	4,394	
MI	6,488	6,727	7,209	7,674	8,010	8,024	8,128	5,105	153	6,803	
MN	3,091	3,385	3,508	3,882	3,861	3,927	4,178	2,412	128	2,868	
MS	1,577	1,746	1,875	2,144	2,182	2,234	2,256	1,250	31	1,758	
MO	3,271	3,558	3,905	4,255	4,350	4,351	4,378	2,601	54	3,798	
MT	690	652	783	968	973	980	988	458	21	647	
NE	1,254	1,257	1,384	1,467	1,479	1,507	1,526	834	18	1,186	
NV	655	709	853	1,047	1,096	1,146	1,220	666	24	1,246	
NH	704	974	946	1,122	1,112	1,127	1,038	688	46	907	
NJ	4,761	4,909	5,652	5,906	5,822	5,817	5,790	4,215	100	5,563	
NM	1,088	1,176	1,301	1,484	1,545	1,514	1,595	821	32	1,204	
NY	8,002	9,042	10,196	10,274	10,636	10,873	10,422	7,664	138	10,554	
NC	4,532	4,450	5,162	5,682	5,759	5,786	5,862	3,531	75	5,534	
ND	627	655	630	695	679	695	672	330	16	455	
OH	7,771	8,102	8,410	9,810	9,770	10,108	10,039	6,664	229	7,941	
OK	2,583	2,864	2,649	2,856	3,082	2,884	2,919	1,549	53	2,305	
OR	2,081	2,204	2,445	2,785	2,851	2,891	2,980	1,588	64	2,417	
PA	6,926	7,209	7,971	8,481	8,640	8,825	8,979	6,132	190	8,405	
RI	623	610	672	699	696	710	715	522	18	682	
SC	1,996	2,222	2,521	2,833	2,791	2,850	2,893	1,823	41	2,679	
SD	601	650	704	709	751	718	769	382	25	535	
TN	3,271	3,754	4,444	5,400	4,830	4,535	4,469	2,696	59	4,073	
TX	10,475	12,444	12,800	13,682	13,487	12,923	13,324	7,456	144	13,323	
UT	992	1,099	1,206	1,447	1,445	1,530	1,532	850	24	1,393	
VT	347	398	462	492	503	496	496	296	17	497	
VA	3,626	4,253	4,938	5,613	5,576	5,709	5,818	3,774	57	4,787	
WA	3,225	3,526	4,257	4,503	4,603	4,702	4,824	2,776	106	4,079	
WV	1,320	1,143	1,225	1,425	1,406	1,355	1,378	777	22	1,281	
WI	2,941	3,187	3,815	3,993	3,972	4,233	4,203	2,544	170	3,710	
WY	467	500	528	601	562	553	559	219	16	359	

¹ Excludes vehicles owned by military services.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and *Selected Highway Statistics and Charts*, annual.

No. 1027. Motor Vehicle Registrations: 1980 to 1998

[In thousands (155,796 represents 155,796,000). Compiled principally from information obtained from state authorities, but it was necessary to draw on other sources and to make numerous estimates in order to complete series. Includes Alaska and Hawaii]

Item	1980	1990	1994	1995	1996	1997	1998
All motor vehicles	155,796	188,798	198,045	201,530	206,365	207,754	211,617
Private and commercial	153,265	185,541	194,532	197,941	202,714	204,079	207,841
Publicly owned	2,531	3,257	3,514	3,589	3,651	3,674	3,776
Automobiles ¹	121,601	133,700	127,883	128,387	129,728	129,749	131,839
Private and commercial	120,743	132,164	126,397	126,900	128,439	128,450	130,500
Publicly owned	857	1,536	1,486	1,487	1,289	1,299	1,339
Buses	529	627	670	686	697	698	716
Private and commercial	254	275	283	288	291	294	302
Publicly owned	275	351	388	398	406	403	413
Trucks ¹	33,667	54,470	69,491	72,458	75,940	77,307	79,062
Private and commercial	32,268	53,101	67,852	70,754	73,984	75,335	77,039
Publicly owned	1,399	1,369	1,639	1,704	1,956	1,972	2,024

¹ Trucks include pickups, panels and delivery vans. Beginning 1985, personal passenger vans, passenger minivans, and utility-type vehicles are no longer included in automobiles but are included in trucks.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1028. Alternative Fueled Vehicles in Use by Fuel Type: 1998 to 2000

Fuel	Alternative fueled vehicles			Fuel consumption (1,000 gasoline-equivalent gallons)		
	1998	1999	2000	1998	1999	2000
Fuels	383,847	407,542	430,219	324,826	341,346	368,076
Liquid petroleum gases (LPG)	266,000	268,000	270,000	241,583	243,648	249,550
Compressed natural gas (CNG)	78,782	89,633	101,991	73,251	86,073	104,501
Liquidified natural gas (LNG)	1,172	1,422	1,682	5,343	6,062	7,460
M85 (Mixture: 85% methanol + 15% gasoline)	19,648	19,497	18,725	1,212	1,108	1,062
Neat methanol (M100)	200	200	200	449	449	449
E85 (Mixture: 85% ethanol+15% gasoline)	12,788	22,359	30,017	1,727	2,489	3,283
E95 (Mixture: 95% ethanol + 5% gasoline)	14	14	14	59	59	59
Electricity	5,243	6,417	7,590	1,202	1,458	1,712

Source: Energy Information Administration, *Alternatives to Traditional Transportation Fuels: 1998*.

No. 1029. Recreational Vehicles—Number and Retail Value of Shipments: 1980 to 1997

[181.4 represents 181,400]

Item	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
NUMBER (1,000)												
Total	181.4	351.7	420.0	388.3	347.3	293.7	382.7	420.2	518.8	475.2	466.8	438.8
Motorized homes	99.9	233.5	277.1	261.6	226.5	172.6	226.3	243.8	306.7	281.0	274.6	239.3
Travel trailers	52.0	75.4	89.6	82.9	80.4	77.6	102.5	113.6	128.0	121.2	123.9	131.6
Folding camping trailers	24.5	35.9	42.3	33.9	30.7	33.9	43.3	51.9	61.7	61.1	57.3	57.6
Truck campers	5.0	6.9	11.0	9.9	9.7	9.6	10.6	10.9	11.4	11.9	11.0	10.3
RETAIL VALUE (mil. dol.)												
Total	1,952	6,904	9,061	9,019	8,101	6,623	8,774	9,518	12,196	12,104	12,365	11,928
Motorized homes	1,381	5,724	7,543	7,420	6,660	5,284	6,963	7,544	9,897	9,768	9,788	9,139
Travel trailers	485	997	1,254	1,252	1,220	1,107	1,523	1,644	1,912	1,927	2,171	2,356
Folding camping trailers	69	137	175	147	134	146	189	(NA)	276	290	284	309
Truck campers	17	46	88	81	86	87	99	(NA)	112	119	122	124

NA Not available.

Source: Recreation Vehicle Industry Association, Reston, VA, *RVIA Industry Profile 1997*. Data also in American Automobile Manufacturers Association of the United States, Inc., Washington, DC, *Motor Vehicle Facts and Figures*, annual (copyright).

No. 1030. Motor Vehicle Production and Trade: 1980 to 1996

[8,010 represents 8,010,000]

Item	Unit	1980	1990	1992	1993	1994	1995	1996
United States	1,000 ..	8,010	9,784	9,702	10,898	12,263	11,985	11,799
Passenger car production	1,000 ..	6,376	6,078	5,664	5,981	6,614	6,351	6,083
Truck and bus production	1,000 ..	1,634	3,706	4,038	4,917	5,649	5,635	5,716
Imports:								
Passenger cars (new) ^{1,2}	1,000 ..	3,116	3,945	3,575	3,808	4,097	4,114	4,064
Canada	1,000 ..	595	1,220	1,200	1,468	1,591	1,678	1,688
Germany, Federal Republic of . .	1,000 ..	339	245	206	184	188	207	234
Japan	1,000 ..	1,992	1,868	1,637	1,597	1,593	1,387	1,191
Trucks and buses (new) ²	1,000 ..	747	766	777	722	708	662	688
Japan	1,000 ..	483	302	197	154	170	90	52
All-terrain vehicles	1,000 ..	(NA)	100	(NA)	(NA)	(NA)	(NA)	(NA)
Motorcycles, total ³	1,000 ..	1,120	169	(NA)	(NA)	(NA)	(NA)	(NA)
Import value:								
Passenger cars (new) ¹	Mil. dol.	16,675	45,716	46,729	52,208	61,367	64,526	66,916
Trucks and buses, (new) ¹	Mil. dol.	1,985	8,155	10,000	10,104	10,909	11,792	12,381
Motorcycles ^{3,4}	Mil. dol.	1,142	361	(NA)	(NA)	(NA)	(NA)	(NA)
Exports, number:								
Passenger cars (new) ¹	1,000 ..	617	794	851	864	1,019	989	974
Trucks and buses (new) exports . .	1,000 ..	186	159	161	181	274	254	316
Export value ^{1,5}								
Passenger cars (new) ⁵	Mil. dol.	16,015	38,086	(NA)	(NA)	(NA)	(NA)	(NA)
Trucks and buses (new) ⁵	Mil. dol.	3,932	9,708	11,893	12,476	14,591	14,251	14,392
Trucks and buses (new) ⁶	Mil. dol.	2,977	2,845	3,073	3,399	5,238	5,209	6,246
Parts and accessories ⁶	Mil. dol.	9,106	24,996	(NA)	(NA)	(NA)	(NA)	(NA)
Factory sales:								
Passenger cars	1,000 ..	6,400	6,050	5,685	5,962	6,549	6,310	6,140
Trucks and buses	1,000 ..	1,667	3,725	4,062	4,895	5,640	5,713	5,776
Retail sales:								
Passenger cars (new) ¹	1,000 ..	8,979	9,300	8,213	8,518	8,991	8,635	8,527
Domestics	1,000 ..	6,581	6,897	6,277	6,742	7,255	7,129	7,254
Imports ³	1,000 ..	2,398	2,403	1,937	1,776	1,735	1,506	1,273
Trucks and buses ⁹	1,000 ..	2,232	4,261	4,247	5,000	5,658	5,691	6,132
Light duty (up to 14,000 GVW) ¹⁰	1,000 ..	1,964	3,984	4,264	5,015	5,673	5,703	(NA)
Med. duty (14,001-26,000 GVW) ¹⁰	1,000 ..	92	207	192	64	69	80	(NA)
Heavy duty (over 26,000 GVW) ¹⁰	1,000 ..	176	207	192	239	284	308	(NA)
Under 6,000 pounds	1,000 ..	985	2,866	3,212	3,754	4,132	4,031	4,398
Utility	1,000 ..	51	490	666	721	1,130	1,258	1,392
Van	1,000 ..	79	31	21	18	12	12	18
Minivan (cargo)	1,000 ..	(X)	83	63	70	82	73	64
Station wagon (truck chassis)	1,000 ..	(X)	112	201	321	-	-	-
Mini-passenger carrier ¹¹	1,000 ..	(X)	750	840	1,002	1,132	1,113	1,098
6,000 to 10,000 pounds ¹¹	1,000 ..	975	1,097	1,021	1,232	1,506	1,631	1,690
Utility	1,000 ..	108	68	51	60	72	144	243
Van	1,000 ..	172	254	241	279	275	274	254
Pickup, conventional	1,000 ..	546	568	524	647	683	967	936
Station wagon (truck chassis)	1,000 ..	39	85	80	115	125	109	137
10,001 pounds and over	1,000 ..	271	298	275	330	388	428	(NA)

- Represents or rounds to zero. NA Not available. X Not applicable. ¹ Based on data from U.S. Dept. of Commerce. ² Includes other countries, not shown separately. ³ Source: Motorcycle Industry Council, Inc., Irvine, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and all-terrain vehicles. Excludes moped imports (motorcycle imports less than 51 cc's) from all countries (except Japan). ⁴ Represents c.i.f. value. ⁵ Covers assembled and unassembled vehicles. ⁶ Includes rubber tires and tubes and used vehicles. ⁷ Includes domestic models produced in Canada and Mexico. ⁸ Excludes domestic models produced in Canada. ⁹ Excludes motorcoaches and light-duty imports from foreign manufacturers. Includes imports sold by franchised dealers of U.S. manufacturers. Starting in 1987, includes sales of trucks over 10,000 lbs. GVW by foreign manufacturers. ¹⁰ Gross vehicle weight (fully loaded vehicle). ¹¹ Includes vehicles, not shown separately.

No. 1031. Motor Vehicles in Use by Age of Vehicle: 1980 to 1995

[104.6 represents 104,600,000]

Item	Unit	1980	1985	1990	1991	1992	1993	1994	1995
Cars in use, total	Million..	104.6	114.7	123.3	123.3	120.3	121.1	122.0	123.2
Under 5 years	Million ..	52.3	48.7	56.5	54.6	50.4	47.0	45.4	46.2
6-8 years	Million ..	25.2	27.8	22.6	25.5	27.5	28.7	27.7	26.9
9-11 years	Million ..	14.6	17.2	19.1	16.7	16.0	22.5	25.1	23.3
12 years and over	Million ..	12.5	21.0	25.1	26.6	26.4	31.1	31.4	26.8
Average age	Years. . .	6.6	7.6	7.8	7.9	8.1	8.3	8.4	8.5
Cars retired from use ¹	1,000 . . .	8,405	7,729	8,897	8,565	11,194	7,366	7,824	7,414
Trucks in use, total	Million..	35.2	42.4	56.0	58.2	61.2	82.5	71.4	70.2
Under 3 years	Million ..	8.8	9.0	12.8	12.0	11.3	12.1	13.7	15.4
3-5 years	Million ..	8.1	6.3	13.2	14.0	14.0	12.9	12.7	12.4
6-8 years	Million ..	7.4	10.2	8.0	9.9	11.9	14.0	13.6	13.1
9-11 years	Million ..	4.4	6.2	6.6	5.3	5.6	11.7	11.3	10.7
12 years and over	Million ..	6.5	10.7	15.5	17.0	18.3	23.2	20.1	18.6
Average age	Years. . .	7.1	8.1	8.0	8.1	8.4	8.6	8.4	8.4
Trucks retired from use ¹	1,000 . . .	1,732	2,100	2,177	2,284	1,587	1,048	4,545	2,918

¹ For years ending June 30. Represents vehicles failing to re-register.

Source of Tables 1030 and 1031: Except as noted, American Automobile Manufacturers Association Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual (copyright); and *World Motor Vehicle Data*, annual (copyright).

No. 1033. National Personal Transportation Survey (NPTS)— Summary of Travel Trends: 1969 to 1995

[62,504 represents 62,504,000. Data obtained by collecting information on all trips taken by the respondent on a specific day (known as travel day), combined with longer trips taken over a 2-week period (known as travel period). Contains data from previous NPTS surveys. For compatibility with previous survey data, all data are based only on trips taken during travel day. Be aware that terminology changes from survey to survey. See source for details]

Characteristics	Unit	1969	1983	1990	1995	Percent change, 1969-90	Percent change, 1969-95
Households, total	1,000	62,504	85,371	93,347	98,990	49.0	58.4
1 person	1,000	10,980	19,354	22,999	24,732	109.0	125.2
2 persons	1,000	18,448	27,169	30,114	31,834	63.0	72.6
3 persons	1,000	10,746	14,756	16,128	16,827	50.0	56.6
4 persons or more	1,000	22,330	24,092	24,106	25,597	8.0	14.6
Persons, total	1,000	197,213	229,453	¹239,416	259,994	21.0	31.8
Under 16 yrs. old	1,000	60,100	53,682	54,303	61,411	-10.0	2.2
16-19 yrs. old	1,000	14,598	15,268	13,851	14,074	-5.0	-3.6
20-34 yrs. old	1,000	40,060	60,788	59,517	59,494	49.0	48.5
35-64 yrs. old	1,000	62,982	75,353	82,480	93,766	31.0	48.9
65 yrs. old and over	1,000	19,473	24,362	26,955	31,249	38.0	60.5
5 yrs. old and over	1,000	(NA)	212,932	222,101	241,675	12.0	(NA)
Males	1,000	94,465	111,514	114,441	126,553	21.0	34.0
16 yrs. old and over	1,000	66,652	83,645	86,432	95,627	30.0	43.5
Females	1,000	102,748	117,939	124,975	133,441	22.0	29.9
16 yrs. old and over	1,000	73,526	92,080	96,371	102,956	31.0	40.0
Licensed drivers	1,000	102,986	147,015	163,025	176,330	58.0	71.2
Male	1,000	57,981	75,639	80,289	88,480	38.0	52.6
Female	1,000	45,005	71,376	82,707	87,851	84.0	95.2
Workers	1,000	75,758	103,244	118,343	131,697	56.0	73.8
Male	1,000	48,487	58,849	63,996	71,105	32.0	46.6
Female	1,000	27,271	44,395	54,334	60,593	99.0	122.2
Households with—							
No vehicle	1,000	12,876	11,548	8,573	7,989	-33.0	-38.0
One vehicle	1,000	30,252	28,780	30,654	32,064	1.0	6.0
Two vehicles	1,000	16,501	28,632	35,872	40,024	117.0	142.6
Three or more vehicles	1,000	2,875	16,411	18,248	18,914	535.0	557.9
All vehicles available	1,000	72,500	143,714	165,221	176,067	128.0	142.9
Vehicle trips	Millions	87,284	126,874	158,927	229,745	82.0	162.2
Vehicle miles of travel (VMT)	Millions	775,940	1,002,139	1,409,600	2,068,368	82.0	166.6
Person trips	Millions	145,146	224,385	249,562	378,930	72.0	161.1
Person miles of travel	Millions	1,404,137	1,946,662	2,315,300	3,411,122	65.0	142.9
Ratios:							
Persons per household	Number	³ 3.16	2.69	2.56	2.63	(NA)	(NA)
Vehicles per household	Number	³ 1.16	1.68	1.77	1.78	(NA)	(NA)
Licensed drivers per household	Number	³ 1.65	1.72	1.75	1.78	(NA)	(NA)
Vehicles per licensed driver	Number	³ 0.70	0.98	1.01	1.00	(NA)	(NA)
Workers per household	Number	³ 1.21	1.21	1.27	1.33	(NA)	(NA)
Vehicles per worker	Number	³ 0.96	1.39	1.40	1.34	(NA)	(NA)
Daily vehicle trips per household	Number	^{2,3} 3.83	4.07	4.66	6.36	(NA)	(NA)
Daily VMT per driver	Number	^{2,3} 20.64	18.68	23.69	32.14	(NA)	(NA)
Average vehicle trip length (miles)	Number	³ 8.89	7.90	8.87	9.06	(NA)	(NA)
Average annual VMT	Miles	² 12,423	11,739	15,100	20,895	22.0	(NA)
Home to work	Miles	² 4,183	3,538	4,853	6,492	16.0	(NA)
Shopping	Miles	² 929	1,567	1,743	2,807	88.0	(NA)
Other family or personal business	Miles	² 1,270	1,816	3,014	4,307	137.0	(NA)
Social and recreational	Miles	² 4,094	3,534	4,060	4,764	-1.0	(NA)
Average annual vehicle trips	Number	² 1,396	1,486	1,702	2,321	22.0	(NA)
Home to work	Number	² 445	414	448	553	0.7	(NA)
Shopping	Number	² 213	297	345	501	62.0	(NA)
Other family or personal business	Number	² 195	272	411	626	111.0	(NA)
Social and recreational	Number	² 312	335	349	427	12.0	(NA)
Average vehicle trip length	Miles	28.9	7.9	9.0	9.06	1.0	(NA)
Home to work	Miles	29.4	8.5	11.0	11.80	17.0	(NA)
Shopping	Miles	24.4	5.3	5.1	5.64	16.0	(NA)
Other family or personal business	Miles	26.5	6.7	7.4	6.93	14.0	(NA)
Social and recreational	Miles	² 13.1	10.5	11.8	11.24	-10.0	(NA)
Average vehicle occupancy ⁴	Persons	(NA)	1.75	1.64	1.59	⁵ -1.3	(NA)
Home to work	Persons	(NA)	1.14	1.1	1.14	⁵ -1.3	(NA)
Shopping	Persons	(NA)	1.71	1.7	1.74	⁵ -1.6	(NA)
Other family or personal business	Persons	(NA)	1.81	1.84	1.78	⁵ -0.8	(NA)
Social and recreational	Persons	(NA)	2.12	2.08	2.04	⁵ -1.0	(NA)
Workers by usual mode to work	Percent	100.0	100.0	100.0	100.0	(NS)	(NS)
Auto	Percent	90.8	92.4	87.8	91.0	(NS)	(NS)
Public transit	Percent	8.4	5.8	5.3	5.1	(NS)	(NS)
Other	Percent	0.8	1.8	6.9	3.9	(NS)	(NS)

NA Not available. NS Percent change irrelevant. ¹ Includes "don't know" and "refusals." ² Changes in summary methodology in 1995 reflects higher results in 1995 than would be had the survey been done exactly as in 1990. ³ Excludes pickups and other light-trucks as household vehicles. ⁴ Includes other purposes not shown separately. ⁵ Change from 1977.

Source: Federal Highway Administration, *National Personal Transportation Survey, Summary of Travel Trends, 1969, 1977, 1983, 1990, and 1995.*

No. 1034. Roadway Congestion: 1997

[Various Federal, state, and local information sources were used to develop the data base with the primary source being the Federal Highway Administration's Highway Performance Monitoring System]

Urbanized areas	Freeway daily vehicle miles of travel		Annual person hours of delay		Annual congestion cost		
	Total miles (1,000)	Per lane-mile of freeway	Total hours	Per 1,000 persons	Per driver (dol.)	Per capita (dol.)	Delay and fuel cost (mil. dol.)
Total, average	15,030	15,240	63,560	35	585	755	1,060
Albany-Schenectady-Troy NY	4,975	9,475	3,265	7	140	110	55
Albuquerque NM	3,730	14,920	17,020	30	650	505	285
Allentown-Bethlehem-Easton PA-NJ	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Atlanta GA	38,650	17,410	136,590	53	1,125	880	2,270
Austin TX	7,540	13,835	26,175	42	880	685	430
Bakersfield CA	1,630	10,190	2,205	6	155	105	40
Baltimore MD	20,775	14,425	79,250	37	780	620	1,330
Beaumont TX	1,600	12,800	1,350	10	225	180	25
Boston MA	21,800	16,640	159,030	53	1,095	875	2,635
Boulder CO	475	9,600	535	5	110	90	10
Brownsville TX	260	8,665	345	2	50	35	5
Buffalo-Niagara Falls NY	5,790	9,265	5,640	2	115	90	95
Charlotte NC	6,200	13,780	18,010	31	680	520	300
Chicago IL-Northwestern IN	46,800	17,830	266,895	33	720	550	4,400
Cincinnati OH-KY	14,900	15,280	30,445	24	525	405	515
Cleveland OH	16,660	13,940	29,925	16	345	270	505
Colorado Springs CO	2,470	10,290	4,985	12	275	205	85
Columbus OH	11,515	14,130	23,780	23	515	400	405
Corpus Christi TX	2,740	9,785	1,775	6	110	80	25
Dallas TX	28,550	14,640	102,155	44	975	740	1,715
Denver CO	15,700	15,245	62,745	35	760	585	1,050
Detroit MI	29,355	16,400	191,910	48	1,010	785	3,145
El Paso TX-NM	3,460	12,355	5,390	9	205	150	90
Eugene-Springfield OR	1,185	10,775	1,315	6	120	95	20
Fort Worth TX	14,615	12,765	37,230	29	640	480	625
Fresno CA	1,905	11,205	7,270	13	315	220	120
Ft. Lauderdale-Hollywood-Pompano FL	11,350	15,655	36,740	24	515	405	605
Harrisburg PA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hartford-Middletown CT	7,570	12,410	11,395	18	390	305	195
Honolulu HI	5,730	14,325	16,070	23	510	395	280
Houston TX	35,900	14,865	132,470	43	960	715	2,210
Indianapolis IN	10,640	14,185	40,025	40	865	660	665
Jacksonville FL	8,650	13,105	21,600	26	580	435	360
Kansas City MO-KS	17,310	10,275	28,815	21	475	360	485
Laredo TX	360	6,000	645	4	90	60	10
Las Vegas NV	5,400	14,400	29,830	26	575	440	505
Los Angeles CA	116,920	22,315	739,245	60	1,370	1,010	12,405
Louisville KY-IN	9,475	14,350	27,040	32	680	540	455
Memphis TN-AR-MS	5,920	12,870	21,465	22	480	360	350
Miami-Hialeah FL	12,250	17,255	93,270	45	930	730	1,515
Milwaukee WI	8,750	14,345	24,595	20	425	325	410
Minneapolis-St. Paul MN	24,485	16,005	60,420	26	570	450	1,030
Nashville TN	9,450	13,035	22,350	35	765	595	375
New Orleans LA	5,470	13,340	21,700	19	400	315	350
New York NY-Northeastern NJ	94,755	14,465	532,190	31	640	520	8,885
Norfolk VA	6,850	11,050	27,150	27	570	440	450
Oklahoma City OK	8,665	11,870	13,705	14	305	235	235
Omaha NE-IA	2,955	10,190	13,080	23	510	385	215
Orlando FL	8,305	12,215	33,640	31	670	520	555
Philadelphia PA-NJ	23,540	13,605	111,175	21	445	345	1,825
Phoenix AZ	13,925	16,005	63,185	26	580	440	1,050
Pittsburgh PA	10,540	8,855	22,695	12	245	195	370
Portland-Vancouver OR-WA	11,900	17,245	54,275	41	885	695	930
Providence-Pawtucket RI-MA	7,300	11,585	15,255	17	360	285	255
Rochester NY	5,235	10,470	5,325	9	200	155	95
Sacramento CA	10,470	15,395	34,955	28	645	480	595
Salem OR	1,060	11,160	2,030	11	215	160	30
Salt Lake City UT	6,650	14,000	14,875	17	400	285	255
San Antonio TX	13,730	12,890	23,765	19	435	320	395
San Bernardino-Riverside CA	14,940	16,880	45,885	34	815	580	790
San Diego CA	28,515	15,930	72,535	28	635	485	1,265
San Francisco-Oakland CA	42,565	18,670	177,890	46	995	785	3,065
San Jose CA	17,170	14,800	55,820	34	765	590	955
Seattle-Everett WA	22,795	18,020	106,560	54	1,165	920	1,805
Spokane WA	1,335	10,680	2,770	8	200	150	50
St. Louis MO-IL	24,195	14,445	80,255	40	845	645	1,310
Tacoma WA	5,100	17,000	13,065	22	500	380	225
Tampa FL	5,675	13,045	26,750	32	650	520	430
Tucson AZ	1,775	10,145	13,935	21	450	345	225
Washington DC-MD-VA	33,340	18,170	216,110	62	1,260	1,025	3,560

NA Not available.

Source: Texas Transportation Institute, College Station, Texas; *Roadway Congestion in Major Urban Areas*, annual (copyright).

No. 1035. Motor Vehicle Accidents—Number and Deaths: 1972 to 1998

[17.0 represents 17,000,000]

Item	Unit	1972	1980	1985	1990	1994	1995	1996	1997	1998
		¹								
Motor vehicle accidents ²	Million	17.0	17.9	19.3	11.5	11.2	10.7	11.2	13.8	12.7
Cars	Million	24.5	22.8	25.6	14.3	13.5	12.3	13.3	16.0	13.8
Trucks	Million	3.5	5.5	6.1	4.4	5.2	4.5	4.8	7.7	7.3
Motorcycles	1,000	343	560	480	180	178	152	135	138	100
Motor vehicle deaths within 1 yr. ³	1,000	56.3	53.2	45.9	46.8	42.5	43.4	43.6	42.4	41.2
Noncollision accidents	1,000	15.8	14.7	12.6	4.9	4.4	4.4	4.6	4.2	4.1
Collision accidents:										
With other motor vehicles	1,000	23.9	23.0	19.9	19.9	18.9	19	19.6	20.7	19.5
With pedestrians	1,000	10.3	9.7	8.5	7.3	6.3	6.4	6.1	5.9	5.9
With fixed objects	1,000	3.9	3.7	3.2	13.1	11.5	12.1	12.1	10.3	10.5
Deaths within 30 days ⁴	1,000	54.6	51.1	43.8	44.6	40.7	41.8	41.9	41.9	(NA)
Vehicle occupants	1,000	41.4	36.8	31.5	33.9	32	33.1	33.4	33.6	(NA)
Pedestrians	1,000	10.2	8.1	6.8	6.5	5.5	5.6	5.4	5.3	(NA)
Motorcyclists ⁵	1,000	3.0	5.1	4.6	3.2	2.3	2.2	2.2	2.1	(NA)
Bicyclists	1,000	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	(NA)
Traffic death rates: ^{4 6}										
Per 100,000 resident population	Rate	26.2	22.5	18.4	17.9	15.6	15.9	15.8	15.7	15.3
Per 100,000 registered vehicles	Rate	44.5	34.8	26.5	24.3	21.2	21.2	20.8	20.6	(NA)
Per 100 million vehicle miles	Rate	4.3	3.3	2.5	2.1	1.7	1.7	1.7	1.6	1.6
Per 100,000 licensed drivers	Rate	46.1	35.2	27.9	26.7	23.2	23.6	23.3	23.0	(NA)

NA Not available. ¹ Represents peak year for deaths from motor vehicle accidents. ² Covers only accidents occurring on the road. ³ Deaths that occur within 1 year of accident. Includes collision categories not shown separately. ⁴ Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. ⁵ Includes motor scooters and motorized bicycles (mopeds). ⁶ Based on 30-day definition of traffic deaths.

Source: Except as noted, National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

No. 1036. Motor Vehicle Deaths by State: 1995 to 1998

[Includes both traffic and nontraffic motor vehicle deaths. See source for definitions]

State					Mileage rate ¹		State					Mileage rate ¹	
	1995	1996	1997	1998	1995	1998		1995	1996	1997	1998	1995	1998
U.S.	43,363	43,300	42,400	41,200	1.8	1.6	MO	1,110	1,148	1,192	1,169	1.9	1.8
AL	1,111	1,142	1,181	1,069	2.2	2.0	MT	215	198	265	237	2.3	2.5
AK	86	80	77	72	2.0	1.6	NE	254	293	302	315	1.6	1.8
AZ	1,040	993	961	980	2.6	2.2	NV	312	348	347	360	2.4	2.2
AR	631	615	660	625	2.5	2.2	NH	118	134	125	129	1.1	1.1
CA	4,165	3,972	3,377	3,161	1.5	1.1	NJ	776	818	(NA)	755	1.3	1.2
CO	645	434	516	524	1.9	1.4	NM	485	481	484	424	2.3	1.9
CT	318	310	337	329	1.1	1.1	NY	1,668	1,562	1,625	1,405	1.4	1.1
DE	123	120	147	115	1.7	1.4	NC	1,438	1,492	1,484	1,574	2.0	1.9
DC	(NA)	(NA)	(NA)	58	(NA)	1.7	OH	74	85	105	92	1.1	1.3
FL	2,812	2,813	2,847	2,804	2.3	2.0	OK	1,357	1,393	1,439	1,421	1.4	1.3
GA	1,494	1,578	1,584	1,580	1.8	1.7	OR	674	775	842	769	1.8	1.8
HI	127	145	131	120	1.6	1.5	PA	572	524	521	538	1.9	1.6
ID	263	258	259	265	2.2	2.0	RI	1,480	1,470	1,562	1,485	1.6	1.5
IL	1,589	1,475	1,404	1,392	1.7	1.4	SC	69	69	75	74	1.0	1.0
IN	960	981	(NA)	978	1.5	1.4	SD	882	930	903	1,001	2.3	2.4
IA	527	465	468	444	2.0	1.6	TN	158	175	148	165	2.0	2.0
KS	438	491	483	493	1.7	1.8	TX	1,240	1,211	1,223	1,208	2.2	2.0
KY	856	844	865	868	2.1	1.9	UT	3,172	3,738	3,476	3,516	1.7	1.7
LA	880	809	840	812	2.3	2.0	VT	321	321	367	346	1.7	1.7
ME	189	168	192	184	1.5	1.4	VA	106	88	96	104	1.7	1.6
MD	682	614	609	606	1.5	1.3	WA	900	869	981	934	1.3	1.3
MA	448	417	443	406	0.9	0.8	WV	654	690	659	665	1.4	1.3
MI	1,537	1,505	1,446	1,367	1.8	1.5	WY	376	344	372	351	2.2	1.9
MN	597	576	598	650	1.4	1.3		739	759	721	709	1.4	1.3
MS	868	811	861	948	3.0	2.9		170	143	137	154	2.5	2.0

NA Not available. ¹ Deaths per 100 million vehicle miles.

Source: National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

No. 1037. Fatal Motor Vehicle Accidents—National Summary: 1980 to 1998

[Based on data from the Fatal Accident Reporting System (FARS). FARS gathers data on accidents that result in loss of human life. FARS is operated and maintained by National Highway Traffic Safety Administration's (NHTSA) National Center for Statistics and Analysis (NCSA). FARS data are gathered on motor vehicle accidents that occurred on a roadway customarily open to the public, resulting in the death of a person within 30 days of the accident. Collection of these data depend on the use of police, hospital, medical examiner/coroner, and Emergency Medical Services reports; state vehicle registration, driver licensing, and highway department files; and vital statistics documents and death certificates. See source for further detail.]

Item	1980	1985	1990	1994	1995	1996	1997	1998
Fatal accidents, total	45,284	39,196	39,836	36,254	37,241	37,494	37,324	37,081
One vehicle involved	28,306	22,875	23,445	20,526	21,250	21,134	20,807	20,897
Two or more vehicles involved	16,978	16,321	16,391	15,728	15,991	16,360	16,517	16,184
Persons killed in fatal accidents	51,091	43,825	44,599	40,716	41,817	42,065	42,013	41,471
Occupants ¹	41,927	36,043	37,134	34,318	35,291	35,695	35,725	35,359
Drivers	28,816	25,337	25,750	23,691	24,390	24,534	24,667	24,729
Passengers	12,972	10,619	11,276	10,518	10,782	11,058	10,944	10,519
Nonmotorists ¹	9,164	7,782	7,465	6,398	6,526	6,370	6,288	6,112
Pedestrians	8,070	6,808	6,482	5,489	5,584	5,449	5,321	5,220
Pedalcyclists	965	890	859	802	833	765	814	761
Other	129	84	124	107	109	156	153	139
Occupant fatalities by type of vehicle:								
Passenger cars								
Mini-compact (95 inches)	3,141	3,571	3,556	2,339	2,207	2,037	1,763	1,488
Subcompact (95 to 99 inches)	4,158	4,422	4,753	4,721	4,584	4,581	4,457	4,022
Compact (100 to 104 inches)	927	2,635	5,310	6,322	6,899	7,288	7,195	7,002
Intermediate (105 to 109 inches)	3,878	4,391	4,849	4,407	4,666	4,670	4,794	4,788
Full size (110 to 114 inches)	4,831	2,974	2,386	2,074	2,116	2,147	2,242	2,290
Largest (115 inches and over)	6,746	3,612	2,249	1,486	1,297	1,270	1,239	1,098
Motorcycles	4,961	4,417	3,129	2,190	2,114	2,046	2,028	2,177
Other motorized cycles	183	147	115	130	113	115	88	107
Light trucks	7,378	6,286	8,347	8,904	9,568	9,932	10,249	10,647
Pickup	5,483	4,640	5,979	5,574	5,938	5,904	5,887	5,900
Utility	895	855	1,214	1,757	1,935	2,147	2,380	2,701
Van	1,000	791	1,154	1,508	1,639	1,832	1,914	2,015
Other	(NA)	(NA)	(NA)	65	56	49	68	31
Medium trucks	285	157	134	109	96	87	122	91
Heavy trucks	977	820	571	561	552	534	601	637
Buses	46	57	32	18	33	21	18	36
Persons involved in fatal accidents	113,289	104,045	107,777	98,945	102,102	103,347	102,197	100,978
Occupants ¹	103,049	95,482	99,297	91,644	94,621	96,159	95,050	94,127
Drivers	62,957	57,883	58,893	54,549	56,164	57,001	56,688	56,543
Passengers	39,892	37,477	40,229	36,898	38,252	38,913	38,184	37,388
Nonoccupants	10,240	8,563	8,480	7,301	7,481	7,188	7,147	6,851
Vehicle miles traveled (VMT) (100 million)	15,273	17,742	21,444	23,576	24,227	24,858	25,617	26,254
Licensed drivers (1,000)	145,295	156,868	167,015	175,403	176,628	179,539	182,709	184,980
Registered vehicles (1,000)	161,490	177,098	192,915	192,497	197,065	201,631	203,568	207,588
Fatalities by road type:								
Interstate	4,427	4,148	4,993	4,713	4,835	5,245	5,332	5,367
Federal-aid primary	(NA)	14,526	14,203	(NA)	(NA)	(NA)	(NA)	(NA)
Federal-aid secondary	(NA)	6,429	6,892	(NA)	(NA)	(NA)	(NA)	(NA)
Federal-aid urban	(NA)	8,116	8,432	(NA)	(NA)	(NA)	(NA)	(NA)
Non-Federal aid	(NA)	10,408	10,039	(NA)	(NA)	(NA)	(NA)	(NA)
Fatal accidents by the highest blood alcohol concentration (BAC) in accident:								
0.00 percent	(NA)	48.5	50.6	59.1	58.7	59.1	61.5	61.5
0.01 to 0.09 percent	(NA)	10.3	9.7	8.4	8.6	8.7	8.1	8.2
0.10 percent and over	(NA)	41.2	39.7	32.5	32.6	32.1	30.3	30.3
Fatality rate by age group:								
Under 5 years old	6.9	5.2	4.9	4.8	4.3	4.6	4.1	4.0
5 years to 15 years old	8.7	7.4	6.4	6.0	6.0	5.7	5.6	5.2
16 years to 24 years old	46.0	37.1	35.2	30.7	30.8	30.7	29.3	28.5
25 years to 44 years old	24.6	19.6	19.7	16.3	17.2	17.0	16.6	16.4
45 years to 64 years old	17.2	14.5	14.9	13.3	13.6	13.8	14.2	14.0
65 years to 79 years old	19.6	18.0	18.8	18.7	18.5	18.7	19.2	18.7
80 years old and over	25.3	25.1	26.8	28.0	28.0	27.8	29.2	28.3
Fatalities per 100 million VMT:								
Fatalities per 100,000 licensed drivers	35.2	27.9	26.7	23.2	23.7	23.4	23.0	22.4
Licensed driver per person	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
VMT per registered vehicle	9,458	10,018	11,107	12,247	12,294	12,329	12,584	12,647
Fatalities per 100,000 registered vehicles	31.6	24.8	23.1	21.2	21.2	20.9	20.6	20.0
Fatal crashes per 100 million VMT	2.9	2.2	1.9	1.5	1.5	1.5	1.5	1.4
Involved vehicles per fatal crash	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Fatalities per fatal crash	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Average occupants per fatal crash	2.3	2.4	2.5	2.7	2.7	2.8	2.7	2.7
Fatalities per 100,000 population	22.5	18.4	17.9	15.6	15.9	15.9	15.7	15.3

NA Not available. ¹ Includes items not shown separately.

Source: National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

No. 1038. Motor Vehicle Occupants and Nonoccupants Killed and Injured: 1985 to 1998

[Vehicle occupants accounted for almost 84 percent of traffic fatalities in 1995. The remaining 16 percent were pedestrians, pedalcyclists, and other nonoccupants]

Year	Occupants							Nonoccupants				
	Total	Total	Passenger cars	Light trucks	Large trucks	Motorcycles	Buses	Other/unknown	Total	Pedestrian	Pedalcyclist	Other
KILLED												
1985	43,825	36,043	23,212	6,689	977	4,564	57	544	7,782	6,808	890	84
1986	46,087	38,234	24,944	7,317	926	4,566	39	442	7,853	6,779	941	133
1987	46,390	38,565	25,132	8,058	852	4,036	51	436	7,825	6,745	948	132
1988	47,087	39,170	25,808	8,306	911	3,662	54	429	7,917	6,870	911	136
1989	45,582	38,087	25,063	8,551	858	3,141	50	424	7,495	6,556	832	107
1990	44,599	37,134	24,092	8,601	705	3,244	32	460	7,465	6,482	859	124
1991	41,508	34,740	22,385	8,391	661	2,806	31	466	6,768	5,801	843	124
1992	39,250	32,880	21,387	8,098	585	2,395	28	387	6,370	5,549	723	98
1993	40,150	33,574	21,566	8,511	605	2,449	18	425	6,576	5,649	816	111
1994	40,716	34,318	21,997	8,904	670	2,320	18	409	6,398	5,489	802	107
1995	41,817	35,291	22,423	9,568	648	2,227	33	392	6,526	5,584	833	109
1996	41,907	35,581	22,416	9,901	621	2,160	21	462	6,326	5,412	761	153
1997	42,013	35,725	22,199	10,249	723	2,116	18	420	6,288	5,321	814	153
1998	41,471	35,359	21,164	10,647	728	2,284	36	500	6,112	5,220	761	131
INJURED (1,000)												
1988	3,416	3,224	2,585	478	37	105	15	4	192	110	75	8
1989	3,284	3,088	2,431	511	43	83	15	5	196	112	73	11
1990	3,231	3,044	2,376	505	42	84	33	4	187	105	75	7
1991	3,097	2,931	2,235	563	28	80	21	4	166	88	67	11
1992	3,070	2,908	2,232	545	34	65	20	12	162	89	63	10
1993	3,125	2,958	2,257	590	32	58	17	4	166	93	65	9
1994	3,215	3,056	2,332	619	30	56	15	3	159	90	60	9
1995	3,386	3,232	2,416	709	30	55	18	4	154	84	61	9
1996	3,511	3,360	2,478	768	33	56	20	4	151	82	59	11
1997	3,348	3,201	2,341	755	31	53	17	6	137	77	58	11
1998	3,192	3,061	2,201	763	29	49	16	4	146	69	53	8

Source: U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts 1995, Overview*, annual.

No. 1039. Large Truck Involvement in Fatal Crashes by State: 1998

[Medium/heavy trucks represents trucks over 10,000 pounds GVW, including single unit trucks]

State and other area	Large trucks involved in fatal crashes				State and other area	Large trucks involved in fatal crashes			
	Total vehicles involved in fatal crashes	Number	Percentage of total vehicles	Percentage of U.S. total for large trucks		Total vehicles involved in fatal crashes	Number	Percentage of total vehicles	Percentage of U.S. total for large trucks
United States¹	56,865	4,935	8.7	100.0	Missouri	1,573	155	9.9	3.1
Alabama	1,465	149	10.2	3.0	Montana	277	18	6.5	0.4
Alaska	87	1	1.1	-	Nebraska	402	41	10.2	0.8
Arizona	1,291	98	7.6	2.0	Nevada	487	34	7.0	0.7
Arkansas	836	105	12.6	2.1	New Hampshire	171	10	5.8	0.2
California	4,762	365	7.7	7.4	New Jersey	1,024	64	6.3	1.3
Colorado	848	52	6.1	1.1	New Mexico	508	44	8.7	0.9
Connecticut	455	29	6.4	0.6	New York	2,039	134	6.6	2.7
Delaware	170	18	10.6	0.4	North Carolina	2,211	228	10.3	4.6
District of Columbia	81	1	1.2	-	North Dakota	109	8	7.3	0.2
Florida	4,114	317	7.7	6.4	Ohio	1,983	189	9.5	3.8
Georgia	2,192	195	8.9	4.0	Oklahoma	988	106	10.7	2.1
Hawaii	178	4	2.2	0.1	Oregon	715	68	9.5	1.4
Idaho	325	23	7.1	0.5	Pennsylvania	2,052	178	8.7	3.6
Illinois	1,945	185	9.5	3.7	Rhode Island	98	3	3.1	0.1
Indiana	1,376	179	13.0	3.6	South Carolina	1,353	118	8.7	2.4
Iowa	649	83	12.8	1.7	South Dakota	215	14	6.5	0.3
Kansas	667	79	11.8	1.6	Tennessee	1,711	136	7.9	2.8
Kentucky	1,192	97	8.1	2.0	Texas	4,894	422	8.6	8.6
Louisiana	1,263	140	11.1	2.8	Utah	443	44	9.9	0.9
Maine	253	21	8.3	0.4	Vermont	124	10	8.1	0.2
Maryland	877	65	7.4	1.3	Virginia	1,227	109	8.9	2.2
Massachusetts	561	37	6.6	0.7	Washington	904	69	7.6	1.4
Michigan	2,020	147	7.3	3.0	West Virginia	468	41	8.8	0.8
Minnesota	893	78	8.7	1.6	Wisconsin	965	90	9.3	1.8
Mississippi	1,251	104	8.3	2.1	Wyoming	173	30	17.3	0.6
					Puerto Rico	716	33	4.6	-

- Represents zero. ¹Excludes outlying area.

Source: U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts*, annual.

No. 1040. Speeding-Related Traffic Fatalities and Costs by Road Type and Speed Limit: 1998

[Includes fatalities that occurred on roads for which the speed limit was unknown. Includes costs for crashes that occurred on unknown road types. Totals may not equal sum of components due to independent rounding]

State	Speeding-related fatalities by road type and speed								
	Traffic fatalities, total	Interstate		Noninterstate					Under 35 mph
		Over 55 mph	55 mph	55 mph	50 mph	45 mph	40 mph	35 mph	
United States	41,471	1,331	418	3,777	472	1,451	770	1,235	1,275
Alabama	1,071	42	3	96	10	108	32	49	30
Alaska	71	-	6	6	-	3	2	1	4
Arizona	980	74	15	83	21	52	37	34	32
Arkansas	625	14	4	83	-	15	10	6	8
California	3,494	170	17	315	49	85	86	123	126
Colorado	628	19	22	41	13	31	21	25	38
Connecticut	329	1	17	10	3	10	9	8	34
Delaware	115	-	1	1	5	1	8	2	2
District of Columbia	54	-	3	-	-	5	-	2	15
Florida	2,824	70	15	102	19	113	35	60	69
Georgia	1,569	22	13	115	8	67	16	43	21
Hawaii	120	-	4	8	-	5	-	8	19
Idaho	265	13	-	7	10	5	1	5	2
Illinois	1,393	52	40	191	1	44	15	65	45
Indiana	978	8	10	63	11	15	19	15	30
Iowa	449	2	-	37	2	3	-	2	9
Kansas	493	13	1	50	2	4	6	9	14
Kentucky	858	10	6	148	1	9	2	19	5
Louisiana	922	9	4	70	4	32	5	15	11
Maine	192	4	1	5	16	25	13	7	7
Maryland	606	5	8	31	20	12	40	23	36
Massachusetts	406	12	3	10	3	9	22	21	68
Michigan	1,367	27	5	182	7	21	15	28	42
Minnesota	650	8	10	78	8	10	6	1	23
Mississippi	948	26	-	75	34	39	1	17	12
Missouri	1,169	62	15	151	4	28	10	38	37
Montana	237	6	1	29	-	6	-	4	9
Nebraska	315	5	1	9	20	-	-	9	3
Nevada	361	38	2	8	7	19	4	16	13
New Hampshire	128	-	-	1	4	3	7	5	14
New Jersey	743	1	9	5	9	12	6	6	23
New Mexico	424	27	7	27	10	9	5	12	10
New York	1,498	7	17	135	2	41	40	21	35
North Carolina	1,596	41	21	302	6	106	6	56	10
North Dakota	92	3	1	30	-	1	3	2	3
Ohio	1,422	49	2	200	8	22	12	43	32
Oklahoma	755	40	1	71	6	51	16	8	18
Oregon	538	8	4	114	1	17	8	16	13
Pennsylvania	1,481	30	29	127	14	100	69	88	36
Rhode Island	74	5	3	-	4	2	2	1	16
South Carolina	1,002	58	16	155	9	83	27	48	17
South Dakota	165	4	1	22	3	2	3	6	5
Tennessee	1,216	19	10	93	20	59	37	29	35
Texas	3,577	202	51	222	36	85	65	105	114
Utah	350	33	-	12	6	1	7	6	6
Vermont	104	10	1	-	20	2	6	11	1
Virginia	935	24	17	90	1	31	4	22	9
Washington	660	33	-	26	34	20	12	63	30
West Virginia	354	3	-	26	-	7	12	13	9
Wisconsin	714	13	1	110	-	8	5	16	27
Wyoming	154	9	-	5	1	13	2	3	6

- Represents or rounds to zero.

Source: U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts, Speeding*, annual.

No. 1041. Traffic Fatalities by State and Highest Blood Alcohol Concentration in the Crash: 1998

State	No alcohol (BAC=0.00 g/dl)			Any alcohol (BAC≥0.01 g/dl)						
	Traffic fatalities, total			Total number	Low alcohol (BAC=0.01-0.0)				High alcohol (BAC=0.10 g/dl)	
		Number	Percent		Percent	Number	Percent	Number	Percent	
United States	41,471	25,536	62	15,935	38	3,479	8	12,456	30	
Alabama	1,071	665	62	406	38	77	7	329	31	
Alaska	71	40	56	31	44	3	4	28	39	
Arizona	980	557	57	423	43	89	9	334	34	
Arkansas	625	432	69	193	31	48	8	146	23	
California	3,494	2,170	62	1,324	38	315	9	1,009	29	
Colorado	628	396	63	232	37	43	7	189	30	
Connecticut	329	187	57	142	43	29	9	112	34	
Delaware	115	70	61	45	39	7	6	37	33	
District of Columbia	54	27	49	27	51	8	16	19	35	
Florida	2,824	1,899	67	925	33	210	7	715	25	
Georgia	1,569	1,060	68	509	32	130	8	380	24	
Hawaii	120	64	53	56	47	14	12	42	35	
Idaho	265	175	66	90	34	15	6	75	28	
Illinois	1,393	794	57	599	43	122	9	477	34	
Indiana	978	599	61	379	39	72	7	307	31	
Iowa	449	285	64	164	36	43	9	121	27	
Kansas	493	319	65	174	35	42	8	132	27	
Kentucky	858	573	67	285	33	60	7	225	26	
Louisiana	922	496	54	426	46	103	11	323	35	
Maine	192	138	72	54	28	8	4	45	24	
Maryland	606	403	66	203	34	59	10	144	24	
Massachusetts	406	214	53	192	47	59	15	134	33	
Michigan	1,367	831	61	536	39	120	9	416	30	
Minnesota	650	370	57	280	43	64	10	216	33	
Mississippi	948	597	63	351	37	57	6	294	31	
Missouri	1,169	644	55	525	45	139	12	386	33	
Montana	237	133	56	104	44	23	10	81	34	
Nebraska	315	196	62	119	38	31	10	88	28	
Nevada	361	184	51	177	49	49	14	127	35	
New Hampshire	128	67	53	61	47	25	20	36	28	
New Jersey	743	472	64	271	36	77	10	194	26	
New Mexico	424	231	55	193	45	41	10	152	36	
New York	1,498	1,133	76	365	24	115	8	250	17	
North Carolina	1,596	1,083	68	513	32	91	6	422	26	
North Dakota	92	48	53	44	47	4	4	40	43	
Ohio	1,422	958	67	464	33	83	6	381	27	
Oklahoma	755	503	67	252	33	44	6	208	28	
Oregon	538	305	57	233	43	50	9	183	34	
Pennsylvania	1,481	862	58	619	42	103	7	516	35	
Rhode Island	74	39	52	35	48	9	13	26	35	
South Carolina	1,002	698	70	304	30	50	5	254	25	
South Dakota	165	98	59	67	41	13	8	54	33	
Tennessee	1,216	717	59	499	41	105	9	394	32	
Texas	3,577	1,785	50	1,792	50	383	11	1,408	39	
Utah	350	300	86	50	14	12	3	39	11	
Vermont	104	66	63	38	37	7	7	31	30	
Virginia	935	592	63	343	37	76	8	267	29	
Washington	660	353	54	307	46	62	9	244	37	
West Virginia	354	209	59	145	41	17	5	128	36	
Wisconsin	714	412	58	302	42	58	8	244	34	
Wyoming	154	86	56	68	44	13	8	55	36	

Source: U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts, 1998 — Alcohol*, annual.

No. 1042. Fatalities by Highest Blood Alcohol Concentration (BAC) in Highway Crashes: 1985 to 1998

Item	1985	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total fatalities	43,825	44,599	41,508	39,250	40,150	40,716	41,817	42,065	42,013	41,471
Fatalities in alcohol-related crashes	22,716	22,084	19,887	17,858	17,473	16,580	17,247	17,218	16,189	15,935
Percent	51.8	49.5	47.9	45.5	43.5	40.7	41.2	40.9	38.5	38.4
BAC = 0.01-0.09:										
Number	4,604	4,434	3,957	3,625	3,496	3,480	3,746	3,774	3,480	3,479
Percent	10.5	9.9	9.5	9.2	8.7	8.5	9.0	9.0	8.3	8.4
BAC = 0.10+:										
Number	18,111	17,650	15,930	14,234	13,977	13,100	13,501	13,444	12,710	12,456
Percent	41.3	39.6	38.4	36.3	34.8	32.2	32.3	32.0	30.3	30.0
BAC = 0.00 (no alcohol content):										
Number	21,109	22,515	21,621	21,392	22,677	24,136	24,570	24,847	25,824	25,536
Percent	48.2	50.5	52.1	54.5	56.5	59.3	58.8	59.1	61.5	61.6

Source: U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts 1998*.

No. 1043. Highway Travel—Mileage and Accident Summary: 1980 to 1998

Item	1980	1985	1990	1993	1994	1995	1996	1997	1998
Highway mileage (1,000)	3,857	3,862	3,880	3,905	3,907	3,912	3,919	3,945	3,906
Vehicle miles of travel (bil.)	1,527	1,775	2,144	2,296	2,358	2,423	2,486	2,560	2,619
Daily vehicle miles per mile	1,082	1,259	1,516	1,611	1,655	(NA)	(NA)	(NA)	(NA)
Fatal accidents:									
Number	45,284	39,168	39,779	35,750	36,223	37,221	37,351	37,280	37,081
Rate per 100 mil. vehicle mi. of travel	2.96	2.21	1.85	1.56	1.53	1.54	1.50	1.46	1.41
Nonfatal injury accidents:									
Number (1,000)	2,008	2,219	2,122	2,022	2,123	2,217	2,238	2,149	2,029
Rate per 100 mil. vehicle mi. of travel	131	125	116	(NA)	(NA)	96	97	94	(NA)
Fatalities ¹ :									
Number	51,091	43,825	44,599	40,150	40,716	41,817	42,065	42,013	41,471
Rate per 100 mil. vehicle mi. of travel	3.35	2.47	2.07	1.75	1.72	1.73	1.69	1.64	1.60
Rate per 100,000 population	22.48	18.42	17.88	15.58	15.64	15.91	15.86	15.69	15.34
Licensed drivers (1,000)	145,295	156,868	167,015	173,149	175,403	176,628	179,539	182,709	(NA)
Rate per 100,000 licensed drivers	35.16	27.94	26.70	23.19	23.21	23.68	23.43	22.99	(NA)
Registered motor vehicles (1,000)	146,845	166,047	184,275	188,350	192,497	197,065	201,631	203,568	(NA)
Rate per 100,000 registered vehicles	34.79	26.39	24.20	21.32	21.15	21.22	20.86	20.64	(NA)

NA Not available. ¹ Represents fatalities occurring within 30 days of accident. Excludes nontraffic accidents which, for example, occur outside the rights-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

No. 1044. Alcohol Involvement for Drivers in Fatal Crashes: 1995 and 1998

[BAC = blood alcohol concentration]

Drivers involved in fatal crashes	1995		1998	
	Numbers of drivers	Percentage with BAC of .10% or greater	Numbers of drivers	Percentage with BAC of .10% or greater
Total drivers¹	56,155	19.3	56,543	18
Drivers by age group:				
16 to 20 years old	7,738	12.7	7,755	14
21 to 24 years old	6,268	27.8	5,599	28
25 to 34 years old	13,029	26.8	11,895	24
35 to 44 years old	10,664	22.8	11,220	21
45 to 64 years old	10,884	14.3	12,151	13
65 years old and over	6,238	5.0	6,680	5
Drivers by sex:				
Male	41,216	21.8	40,746	20
Female	14,179	11.2	15,061	10
Drivers by vehicle type:				
Passenger cars	30,692	19.2	28,857	18
Light trucks	17,420	22.4	19,104	20
Large trucks	4,391	1.3	4,883	1
Motorcycles	2,257	29.1	2,323	31

¹ Does not add, due to unknown or other data not included.

Source: National Safety Council, Itasca, IL, *Accident Facts*, 1997 edition.

No. 1045. Age of Driver and Number in Accidents: 1998

[185,450 represents 185,450,000]

Age group	Drivers in accidents							
	Drivers (1,000)	Fatal		All		Per number of drivers		
		Percent	Number licensed	Percent licensed	Drivers (1,000)	Percent	Fatal ¹	All ²
Total	185,450	100.0	56,100	100.0	21,300	100.0	30	11
Under 16 years old	31	(2)	500	0.9	120	0.6	(3)	(3)
16 years old	1,708	0.9	1,200	2.1	620	2.9	70	36
17 years old	2,436	1.3	1,200	2.1	720	3.4	49	30
18 years old	2,868	1.5	1,900	3.4	780	3.7	66	27
19 years old	2,941	1.6	1,600	2.9	700	3.3	54	24
19 years old and under	9,984	5.4	6,400	11.4	2,940	13.8	64	29
20 years old	3,048	1.6	1,500	2.7	630	3.0	49	21
21 years old	3,093	1.7	1,500	2.7	600	2.8	48	19
22 years old	3,022	1.6	1,500	2.7	550	2.6	50	18
23 years old	3,209	1.7	1,300	2.3	520	2.4	41	16
24 years old	3,157	1.7	1,300	2.3	500	2.3	41	16
20 to 24 years old	15,529	8.4	7,100	12.7	2,800	13.1	46	18
25 to 34 years old	37,265	20.1	11,900	21.2	4,900	23.0	32	13
35 to 44 years old	41,857	22.6	11,300	20.1	4,440	20.8	27	11
45 to 54 years old	33,662	18.2	7,700	13.7	2,940	13.8	23	9
55 to 64 years old	21,337	11.5	4,600	8.2	1,570	7.4	22	7
65 to 74 years old	15,244	8.2	3,600	6.4	1,010	4.7	24	7
75 years old and over	10,570	5.7	3,500	6.2	710	3.3	33	7

Z Less than .05. ¹ Per 100,000 licensed drivers. ² Per 100 licensed drivers. ³ Rates for drivers under age 16 are substantially overstated due to the high proportion of unlicensed drivers involved.

Source: National Safety Council, Itasca, IL, *Accident Facts*, 1997 edition (copyright).

No. 1046. State Legislation—Alcohol and Road Safety Laws: Various Years

State	Alcohol legislation				Mandatory belt-use law		Graduated licensing law			
	Adminis- trative license revoca- tion since ¹	BAC limit ²	Zero toler- ance limit for minors ³	Alcohol ignition interlock device ⁴	Enforce- ment	Seating positions	Gradu- ated licens- ing law	Mini- mum instruc- tional permit period	Night- time driving restrict- ions	Unre- stricted license minimum age
Alabama	1996	.08	.02	No	Secondary	Front	No	None	No	16 yrs.
Alaska	1983	.10	.00	Yes	Secondary	All	Yes	None	No	16 yrs.
Arizona	1992	.10	.00	No	Secondary	Front	No	None	No	16 yrs.
Arkansas	1995	.10	.02	Yes	Secondary	Front	No	None	No	16 yrs.
California	1989	5.08	.01	⁶ Yes	Standard	All	Yes	6 mo.	Yes	17 yrs.
Colorado	1983	.10	.02	⁶ Yes	Secondary	Front	Yes	3 mo.	No	16 yrs.
Connecticut	1990	.10	.02	No	Standard	⁷ Front	Yes	6 mo.	No	16 yrs. & 4 mo.
Delaware	Yes	.10	.02	⁶ Yes	Secondary	Front	Yes	6 mo.	Yes	16 yrs. & 10 mo.
District of Columbia	Yes	.08	.00	No	Standard	All	⁸ No	None	No	16 yrs.
Florida	1990	.08	.02	Yes	Secondary	Front	Yes	6 mo.	Yes	18 yrs.
Georgia	1995	.10	.02	⁶ Yes	Standard	⁷ Front	Yes	12 mo.	Yes	18 yrs.
Hawaii	1990	.08	.02	No	Standard	Front	No	None	No	15 yrs. & 3 mo.
Idaho	1994	.08	.02	Yes	Secondary	Front	No	None	No	16 yrs.
Illinois	1986	.08	.00	Yes	Secondary	Front	Yes	3 mo.	Yes	17 yrs.
Indiana	Yes	.10	.02	Yes	Standard	Front	Yes	2 mo.	Yes	18 yrs.
Iowa	1963	.10	.02	Yes	Standard	Front	Yes	6 mo.	Yes	17 yrs.
Kansas	1988	.08	.02	Yes	Secondary	Front	No	None	No	16 yrs.
Kentucky	No	.10	.02	No	Secondary	All	No	None	No	16 yrs. & 6 mo.
Louisiana	1984	.10	.02	Yes	Standard	⁷ Front	Yes	3 mo.	Yes	17 yrs.
Maine	1984	.08	.00	⁶ Yes	⁹ Secondary	All	No	None	No	16 yrs.
Maryland	1989	¹⁰ .10	.01	Yes	Standard	⁷ ¹¹ Front	¹² Yes	4 mo.	Yes	17 yrs. & 7 mo.
Massachusetts	1994	.08	.02	No	Standard	All	Yes	6 mo.	Yes	18 yrs.
Michigan	No	.10	.02	Yes	Secondary	⁷ Front	Yes	6 mo.	Yes	17 yrs.
Minnesota	1976	.10	.01	No	Secondary	⁷ Front	Yes	6 mo.	No	17 yrs.
Mississippi	1983	.10	.02	No	Secondary	Front	No	None	No	16 yrs.
Missouri	1987	.10	.02	⁶ Yes	Standard	⁷ Front	No	None	No	16 yrs.
Montana	No	.10	.02	Yes	Secondary	All	No	None	No	15 yrs.
Nebraska	1993	.10	.02	Yes	Secondary	Front	No	None	Yes	17 yrs.
Nevada	1983	.10	.02	⁶ Yes	Secondary	All	No	None	No	16 yrs.
New Hampshire	1994	.08	.02	No	No	(NA)	Yes	3 mo.	Yes	18 yrs.
New Jersey	No	.10	.01	No	Secondary	Front	¹³ Yes	6 mo.	¹⁴ Yes	18 yrs.
New Mexico	¹⁴ 1984	.08	.02	Yes	Standard	¹⁵ Front	⁸ No	None	No	15 yrs.
New York	¹⁶ 1994	.10	.02	⁶ Yes	Standard	⁷ Front	Yes	(NA)	Yes	17 yrs.
North Carolina	1983	.08	.00	Yes	Standard	Front	Yes	12 mo.	Yes	16 yrs. & 6 mo.
North Dakota	1983	.10	.02	Yes	Secondary	Front	No	3 mo.	No	16 yrs.
Ohio	1993	.10	.02	Yes	Secondary	Front	Yes	6 mo.	Yes	17 yrs.
Oklahoma	1983	.10	.00	Yes	Standard	Front	No	None	No	16 yrs.
Oregon	1983	.08	.00	Yes	Standard	All	No	None	No	16 yrs.
Pennsylvania	No	.10	.02	No	Secondary	Front	Yes	(NA)	Yes	17 yrs.
Rhode Island	No	.10	.02	⁶ Yes	Secondary	All	Yes	6 mo.	Yes	17 yrs. & 6 mo.
South Carolina	1998	.10	.02	No	Secondary	⁷ Front	Yes	3 mo.	Yes	16 yrs. & 3 mo.
South Dakota	No	.10	.02	No	Secondary	Front	Yes	6 mo.	Yes	16 yrs.
Tennessee	No	.10	.02	Yes	Secondary	⁷ Front	No	3 mo.	No	16 yrs.
Texas	1995	.10	.00	⁶ Yes	Standard	Front	No	None	No	16 yrs.
Utah	1983	.08	.00	Yes	Secondary	Front	No	None	No	16 yrs.
Vermont	¹⁶ 1969	.08	.02	No	Secondary	All	No	None	No	16 yrs.
Virginia	1995	.08	.02	Yes	Secondary	Front	Yes	6 mo.	No	18 yrs.
Washington	¹⁷ 1994	.08	.02	Yes	Secondary	All	No	None	No	16 yrs.
West Virginia	1981	.10	.02	Yes	Secondary	¹¹ Front	No	None	No	16 yrs.
Wisconsin	1988	¹⁸ .10	.00	⁶ Yes	Secondary	⁷ Front	No	None	No	16 yrs.
Wyoming	1973	.10	.02	No	Secondary	Front	No	None	No	16 yrs.

NA Not available. ¹ Year original law became effective, not when grandfather clauses expired. ² Blood alcohol concentration that constitutes the threshold of legal intoxication. ³ Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 21 years old unless noted. ⁴ Legislation for instruments designed to prevent drivers from starting their cars when breath alcohol content is at or above a set point. ⁵ Commercial driver with BAC of .04 or more. ⁶ Primarily for repeat offenders, but may also be applied to first time offenders under certain circumstances. ⁷ Required for certain ages at all seating positions. ⁸ Legislation pending. ⁹ Secondary for 19 and older, standard for under 19. ¹⁰ BAC of .07 is prima facie evidence of DUI (MD); BAC of .05-.10 constitutes driving while ability impaired (NY). ¹¹ Excluding front center seat. ¹² Legislation becomes effective 7/1/99. ¹³ Legislation becomes effective 1/1/01. ¹⁴ Waived for new drivers age 21 and older. ¹⁵ Belt use required in rear seat if lap/shoulder belt is available. ¹⁶ Revocation by judicial action (NY) or Department of Motor Vehicles (VT). ¹⁷ Updated law effective 1/1/99. ¹⁸ .08 after second DUI conviction.

Source: National Safety Council, Itasca, IL, *Accident Facts* (copyright).

No. 1047. Motor Vehicle Safety Defect Recalls by Domestic and Foreign Manufacturers: 1980 to 1996

[Covers manufacturers reporting to U.S. National Highway Traffic Administration under Section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

Manufacturer	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996
MOTOR VEHICLES											
Total recall campaigns ¹	Number	167	173	237	208	220	187	221	244	266	265
Domestic	Number	129	137	182	159	168	142	178	178	190	197
Foreign	Number	38	36	55	49	52	45	43	66	76	68
Total vehicles recalled	1,000	4,868	5,629	7,137	5,985	8,279	10,122	10,922	6,063	18,295	17,084
Domestic	1,000	3,943	4,995	6,173	4,070	6,646	6,545	7,655	4,280	9,041	15,104
Foreign	1,000	925	634	964	1,915	1,633	3,577	3,267	1,784	9,259	1,980
MOTOR VEHICLE TIRES											
Recall campaigns ¹	Number	24	19	11	13	12	7	5	5	3	1
Tires recalled	1,000	7,070	28	115	172	153	8	6	93	10	6

¹ A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers of motor vehicles and motor vehicle equipment.

Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Recall Campaigns*, annual.

No. 1048. Cost of Owning and Operating an Automobile: 1980 to 1997

Item	Unit	1980	1990	1992	1993	1994	1995	1996	1997
Cost per mile ¹	Cents	27.95	40.96	45.77	45.14	46.65	48.91	51.43	53.08
Cost per 10,000 miles ¹	Dollars	2,795	4,096	4,577	4,514	4,665	4,891	5,143	5,308
Variable cost	Cents/mile	7.62	8.40	9.10	9.30	9.20	10.00	10.10	10.80
Gas and oil	Cents/mile	5.86	5.40	6.00	6.00	5.60	6.00	5.90	6.60
Maintenance	Cents/mile	1.12	2.10	2.20	2.40	2.50	2.60	2.80	2.80
Tires	Cents/mile	0.64	0.90	0.90	0.90	1.10	1.40	1.40	1.40
Fixed cost	Dollars	(NA)	(NA)	3,667	3,584	3,745	3,891	4,133	4,228
Insurance	Dollars	490	675	747	724	697	716	782	809
License and registration	Dollars	82	165	179	183	204	211	229	220
Depreciation	Dollars	1,038	2,357	2,780	2,883	2,988	3,099	3,208	3,268
Finance charge	Dollars	423	680	832	696	695	729	778	793

NA Not available. ¹ Beginning 1990, not comparable to previous data.

Source: American Automobile Manufacturers Association Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual (copyright).

No. 1049. Domestic Motor Fuel Consumption by Type of Vehicle: 1970 to 1998

[Comprises all fuel types used for propulsion of vehicles under state motor fuels laws. Excludes Federal purchases for military use. Minus sign (-) indicates decrease]

Year	Fuel consumption					Avg. fuel consumption per vehicle (gal.)			Avg. miles per gallon		
	All vehicles (bil. gal.)	Avg. annual percent change ¹	Cars ² (bil. gal.)	Buses (incl. school buses) (bil. gal.)	Trucks ³ (bil. gal.)	Cars ²	Buses	Trucks ³	Cars ²	Buses (incl. school buses)	Trucks ³
1970	92.3	5.4	67.7	0.8	11.3	688	2,172	2,467	13.5	5.5	5.5
1975	109.0	2.5	74.1	1.1	14.6	619	2,279	2,722	14.0	5.8	5.6
1980	115.0	-5.9	70.0	1.0	20.0	507	1,926	3,447	16.0	6.0	5.4
1981	114.5	-0.4	69.1	1.1	20.3	496	1,938	3,565	16.4	5.9	5.3
1982	113.4	-0.9	69.1	1.0	20.4	496	1,756	3,647	16.8	5.9	5.5
1983	116.1	2.4	70.3	0.9	20.8	497	1,507	3,769	17.0	5.9	5.6
1984	118.7	2.3	70.6	0.8	21.4	495	1,398	3,967	17.3	5.7	5.7
1985	121.3	2.2	71.5	0.8	21.4	505	1,405	3,570	17.5	5.4	5.8
1986	125.2	3.2	73.2	0.9	21.8	507	1,496	3,821	17.4	5.3	5.8
1987	127.5	1.8	73.3	0.9	22.5	500	1,527	3,937	18.0	5.8	5.9
1988	130.1	2.0	73.3	0.9	22.9	487	1,524	3,736	18.7	5.8	6.0
1989	131.9	1.4	73.9	0.9	23.5	486	1,519	3,776	18.9	6.0	6.1
1990	130.8	-0.8	69.6	0.9	24.5	461	1,428	3,953	20.2	6.4	6.0
1991	128.6	-1.7	64.3	0.9	25.0	443	1,369	4,047	21.1	6.7	6.0
1992	132.9	3.3	65.4	0.9	25.5	455	1,362	4,210	20.9	6.6	6.0
1993	137.3	3.3	67.0	0.9	26.2	462	1,420	4,309	20.5	6.6	6.1
1994	140.8	2.5	67.9	1.0	27.7	462	1,438	4,102	20.7	6.6	6.1
1995	143.8	2.1	68.1	1.0	29.0	530	1,412	4,315	21.1	6.6	6.1
1996	146.7	2.0	68.9	1.0	29.5	531	1,414	4,205	21.3	6.6	6.2
1997	150.3	2.5	69.9	1.0	29.9	538	1,471	4,217	21.5	6.7	6.4
1998	154.9	3.1	72.2	1.0	30.8	548	1,466	4,257	21.4	6.7	6.4

¹ From prior year, except 1970, change from 1965. ² Includes taxicabs. The format used to report some vehicle types was changed. In previous years, some other two-axle four-tire vehicles were included in the passenger car category. Other two-axle four-tire vehicles are now separate from the truck category. ³ Includes combinations.

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*, and *Highway Statistics*, annual.

No. 1050. Motor Vehicle Travel by Type of Vehicle and by Speed: 1970 to 1998

[Travel in billions of vehicle-miles, except as indicated (1,110 represents 1,110,000,000). Travel estimates based on automatic traffic recorder data. Speed trend data for 1970 were collected by several state highway agencies, normally during summer months; beginning Oct. 1975 all states have monitored speeds at locations on several highway systems Monitoring Program]

Year	Vehicle-miles of travel (bil.)				Avg. miles per vehicle (1,000)			Motor vehicle speed on rural interstate				
	Total	Cars ¹	Buses	Trucks	Passenger vehicles			Citations recorded (1,000) ²	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars ¹	Buses	Trucks			55 mph	60 mph	65 mph
1970	1,110	917	4.5	186	10.3	12.0	9.9	200	63.8	87	69	44
1980	1,527	1,122	6.1	291	8.8	11.5	10.4	667	57.5	66	25	7
1985	1,775	1,256	4.5	391	9.4	7.5	10.5	8,449	59.5	75	44	17
1986	1,835	1,280	4.7	424	9.5	7.9	10.8	8,549	59.7	76	46	18
1987	1,921	1,325	5.3	457	9.7	8.9	11.1	7,992	59.7	74	46	19
1988	2,026	1,380	5.5	502	10.0	8.9	11.5	7,566	59.5	74	46	19
1989	2,096	1,412	5.7	536	10.2	9.1	11.7	7,488	60.1	77	49	22
1990	2,144	1,418	5.7	575	10.3	9.1	11.9	7,511	60.4	78	50	23
1991	2,172	1,367	5.8	649	10.3	9.1	12.2	7,594	59.9	76	48	21
1992	2,247	1,381	5.8	707	10.6	9.0	12.4	7,004	61.2	81	56	28
1993	2,296	1,385	6.1	746	10.5	9.4	12.4	6,433	60.8	78	51	24
1994	2,358	1,416	6.4	765	10.8	9.6	12.2	(NA)	(NA)	(NA)	(NA)	(NA)
1995	2,423	1,448	6.4	790	11.0	9.3	12.0	(NA)	(NA)	(NA)	(NA)	(NA)
1996	2,486	1,480	6.6	817	11.3	9.4	11.8	(NA)	(NA)	(NA)	(NA)	(NA)
1997	2,560	1,512	6.8	850	11.6	9.8	12.1	(NA)	(NA)	(NA)	(NA)	(NA)
1998	2,625	1,545	6.9	866	11.7	9.7	12.1	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Includes motorcycles. ² Citations issued for 55 mph violations.

Source: U.S. Federal Highway Administration, *Highway Statistics Summary, annual*.

No. 1051. Passenger Transit Industry—Summary: 1985 to 1998

[Includes Puerto Rico. Includes aggregate information for all transit systems in the United States. Excludes nontransit services such as taxicab, school bus, unregulated jitney, sightseeing bus, intercity bus, and special application mass transportation systems (e.g., amusement parks, airports, island, and urban park ferries are excluded). Includes active vehicles only]

Item	Unit	1985	1990	1995	1996	1997	1998
Operating systems	Number	4,972	5,078	5,973	5,973	5,973	6,000
Motor bus systems	Number	2,631	2,688	2,250	2,250	2,250	2,262
Passenger vehicles, active ¹	Number	94,368	92,961	115,874	122,362	126,360	128,970
Motor bus	Number	64,258	58,714	67,107	71,678	72,770	74,641
Trolley bus	Number	676	832	885	871	859	880
Heavy rail	Number	9,326	10,419	10,157	10,201	10,242	10,301
Light rail	Number	717	913	999	1,140	1,229	1,205
Commuter rail	Number	4,035	4,415	4,565	4,665	4,943	4,907
Demand response	Number	14,490	16,471	29,352	30,804	32,509	32,899
Operating funding, total	Mil. dol	12,195	16,053	18,241	19,151	19,515	18,897
Passenger funding	Mil. dol	4,575	5,891	6,801	7,416	7,546	7,717
Other operating funding ²	Mil. dol	702	895	2,812	2,928	3,308	2,875
Operating assistance	Mil. dol	6,918	9,267	8,628	8,807	8,661	8,305
Federal ³	Mil. dol	940	970	817	596	647	726
Local ³	Mil. dol	4,579	5,327	3,981	4,129	4,095	3,820
State ³	Mil. dol	(*)	2,970	3,830	4,082	3,919	3,759
Total expense	Mil. dol	14,077	17,979	21,540	22,260	23,159	23,715
Operating expense	Mil. dol	12,381	15,742	17,849	18,341	18,936	19,249
Reconciling expense	Mil. dol	1,696	2,237	3,691	3,919	4,223	4,466
Capital expenditure, Federal	Mil. dol	2,559	2,428	5,534	4,180	4,125	4,225
Capital expenditures	Million	(NA)	(NA)	7,230	7,084	7,850	7,143
Vehicle-miles operated ¹	Million	2,791	3,242	3,550	3,650	3,746	3,932
Motor bus	Million	1,863	2,130	2,184	2,221	2,245	2,291
Trolley bus	Million	16	14	14	14	14	14
Heavy rail	Million	451	537	537	543	558	566
Light rail	Million	17	24	35	38	41	43
Commuter rail	Million	183	213	238	242	251	265
Demand response ¹	Million	247	306	507	548	585	698
Passengers carried	Million	8,636	8,799	7,763	7,948	8,374	8,746
Motor bus	Million	5,675	5,677	4,848	4,887	5,013	5,387
Trolley bus	Million	142	126	119	117	121	117
Heavy rail	Million	2,290	2,346	2,033	2,157	2,430	2,393
Light rail	Million	132	175	251	261	262	275
Commuter rail	Million	275	328	344	352	357	382
Demand response	Million	59	68	88	93	99	95
Avg. funding per passenger ⁴	Cents	53.0	66.9	87.6	93.0	90.1	88.2
Employees, number (avg.) ⁵	1,000	270	273	311	327	334	332
Payroll, employee	Mil. dol	5,843	7,226	8,213	8,438	8,772	9,078
Fringe benefits, employee	Mil. dol	2,868	3,986	4,484	4,401	4,504	4,728

NA Not available. ¹ Includes other not shown separately. ² Beginning 1994, includes taxes levied directly by transit agency and other dedicated funds, formerly included in local. ³ Includes other operating revenue, nonoperating revenue, and auxiliary income. ⁴ For 1985, state and local combined. ⁵ Through 1992, represents employee equivalents of 2,080 hours = one employee; beginning 1993, equals actual employees.

Source: American Public Transportation Association, Washington, DC, *Public Transportation Fact Book, annual*. <<http://www.apta.com/pubs/stats/index.htm>>.

No. 1052. Class I Intercity Motor Carriers of Passengers: 1980 to 1997

[Carriers subject to ICC regulations. See text, this section. Minus sign (-) indicates deficit]

Item	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996	1997
Carriers reporting ¹	Number.	48	43	20	21	21	21	21	20	20	17	17
Number of employees, average	1,000 . . .	31	24	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Compensation of employees	Mil. dol . .	599	518	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Operating revenue	Mil. dol . .	1,397	1,233	1,205	943	980	938	928	870	917	912	1,000
Passenger revenue ²	Mil. dol . .	947	836	890	738	793	755	751	721	770	772	835
Special bus revenue and other	Mil. dol . .	215	184	165	90	187	183	177	149	147	140	165
Operating expenses	Mil. dol . .	1,318	1,168	1,133	1,015	967	874	880	919	899	878	948
Net operating revenue	Mil. dol . .	79	65	72	-72	13	64	48	-49	18	33	52
Ordinary income:												
Before income taxes	Mil. dol . .	107	65	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
After income taxes	Mil. dol . .	90	53	12	-180	162	21	14	-67	-9	13	-2
Passenger vehicles in service ²	1,000 . . .	8.6	8.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Vehicle-miles, passenger	Million . .	781	567	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Revenue passengers carried	Million . .	134	88	54	43	42	41	40	41	43	37	52
Expense per vehicle-mile	Dollar . . .	1.69	2.06	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Excludes carriers preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. ² Regular route intercity and local.

Source: Through 1993, U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual, thereafter, Bureau of Transportation Statistics, *Selected Earnings Data, Class I Motor Carriers of Passengers*.

No. 1053. Passenger Transportation Arrangement: 1995 to 1997

[In millions of dollars, except percent. Represents SIC 4722]

Source of receipts	1995	1996	1997	Operating expenses	1995	1996	1997
Receipts, total ¹	12,754	13,725	14,812	Expenses, total ¹	11,258	12,238	13,166
Air carriers	7,174	7,689	8,332	Payroll, annual	4,745	5,114	5,460
Water carriers	679	653	649	Employer contributions ²	718	791	802
Hotels and motels	951	1,045	1,151	Lease and rental payments	786	850	898
Motor coaches	342	421	466	Advertising and promotion	607	697	691
Railroads	122	147	156	Taxes and licenses	160	152	181
Rental cars	335	363	402	Utilities	505	544	553
Package tours	2,539	2,706	2,875	Depreciation	393	412	506
Other	612	701	781	Office supplies	324	337	370
				Repair services	151	161	195
				Other	2,869	3,180	3,510

¹ Receipts for firms primarily engaged in arranging passenger transportation. These estimates exclude receipts of transportation companies (airlines, railroads, etc.). ² Includes contributions to social security and other supplemental benefits.

Source: U.S. Census Bureau, *Service Annual Survey*.

No. 1054. Motor Freight Transportation and Warehousing Services—Revenues, Expenses, and Payroll: 1995 and 1997

[In millions of dollars (172,727 represents \$172,727,000,000)]

Kind of business	SIC ¹ code	Operating revenue		Operating expenses		Annual payroll	
		1995	1997	1995	1997	1995	1997
Motor freight transport and warehousing services ²	42	172,727	195,979	160,321	181,332	49,373	55,835
Trucking and courier services, except by air ³							
air	421	161,806	183,153	151,628	170,998	46,478	52,438
Local trucking without storage	4212	43,830	49,972	38,695	43,871	9,885	11,624
Trucking, except local	4213	91,675	103,847	88,061	98,570	26,635	29,594
Local trucking with storage	4214	5,154	5,860	4,817	5,439	1,633	1,801
Courier services, except by air	4215	21,147	23,474	20,055	23,118	8,325	9,419
Public warehousing and storage	422	10,874	12,750	8,652	10,268	2,883	3,376
Farm product warehousing and storage	4221	749	710	595	576	182	179
Refrigerated warehousing and storage	4222	2,107	2,321	1,747	1,884	588	629
General warehousing and storage	4225	6,143	7,457	4,777	5,840	1,613	1,953
Special warehousing and storage ⁴	4226	1,875	2,262	1,533	1,968	500	615

¹ Standard Industrial Classification. ² Includes terminal and joint terminal maintenance facilities for motor carrier transportation (SIC 4231) not shown separately. ³ Excludes private motor carriers that operate as auxiliary establishments to nontransportation companies and independent owner-operators with no paid employees. ⁴ Includes household goods warehousing.

Source: U.S. Census Bureau, *Current Business Reports, Transportation Annual Survey*.

No. 1055. Bus Profile: 1980 to 1997

Item	Unit	1980	1990	1995	1996	1997
FINANCIAL						
Expenditures, school bus	Mil. dol.	3,833	7,605	9,082	10,404	10,820
Operating revenues, intercity bus, Class I	Mil. dol.	1,397	943	917	912	1,000
Operating expenses, intercity bus, Class I	Mil. dol.	1,318	1,026	899	878	948
INVENTORY						
Operating companies, intercity bus, Class I	Number	61	31	28	27	(NA)
Vehicles:						
Commercial & Federal bus	Number	110,576	118,726	125,057	127,214	129,435
School & other bus	Number	418,225	508,261	560,447	596,395	568,113
PERFORMANCE						
Vehicle-miles, all buses:						
Rural & urban highway	Millions	6,059	5,726	6,383	6,563	6,836
Revenue:						
Passenger miles, intercity bus	Millions	(NA)	121,400	136,104	139,136	144,923
Passengers, intercity bus	1,000	370,000	334,000	366,500	347,900	350,600
Avg. miles traveled per vehicle, all buses	Miles	11,458	9,133	9,312	9,446	9,799
Avg. annual fuel consumption, all buses	Gallon	1,926	1,428	1,412	1,425	1,471
Avg. miles per gallon, all buses	Mpg	6.0	6.4	6.6	6.6	6.7
Average revenue per passenger mile	Cents	7.3	11.6	12.2	12.3	12.6
SAFETY						
Fatalities:						
School bus related	Number	150	115	122	136	128
School bus occupants	Number	9	11	13	10	10
Other vehicle occupants	Number	88	64	72	101	95
Nonoccupants	Number	53	40	37	25	23
Fatalities in vehicular accidents, all buses	Number	390	340	306	297	(NA)
Occupant fatality rate:						
Per 100 million vehicle-miles, all buses	Rate	0.8	0.5	0.5	0.4	0.2
Per 10,000 registered vehicles, all buses	Rate	0.9	0.5	0.5	0.4	0.2

NA Not available.

No. 1056. Truck Profile: 1980 to 1997

Item	Unit	1980	1990	1995	1996	1997
FINANCIAL						
Revenues:						
Local intercity	Mil. dol	(NA)	127,314	161,806	172,743	183,153
Operating expenses, total	Mil. dol	29,012	118,968	151,628	162,825	170,998
INVENTORY						
Truck registrations, total	1,000	5,791	6,196	6,719	7,013	7,083
Single-unit 2-axle 6-tire vehicle	1,000	4,374	4,487	5,024	5,266	5,293
Combination trucks	1,000	1,417	1,709	1,696	1,747	1,790
PERFORMANCE						
Vehicle miles, total						
Rural highway, total	Millions	108,491	146,242	178,156	182,971	191,345
Urban highway, total	Millions	68,776	89,692	106,031	109,480	114,562
Single unit 2-axle 6-tire vehicle	Millions	39,715	56,550	72,125	73,491	76,783
Combination trucks	Millions	39,813	51,901	62,705	64,072	66,845
Passenger miles:						
Single unit 2-axle 6-tire vehicle	Millions	39,813	51,901	62,705	64,072	66,845
Combination trucks	Millions	68,678	94,341	115,451	118,899	124,500
Average miles traveled per vehicle:						
All trucks, total	Avg. miles	18,736	23,603	26,514	26,092	27,013
Single unit 2-axle 6-tire vehicle	Avg. miles	9,103	11,567	12,482	12,167	12,628
Combination trucks	Avg. miles	48,472	55,206	68,083	68,075	69,554
Ton-miles, intercity	Millions	555,000	735,000	921,000	972,000	1,051,000
Fuel consumed, all trucks						
Single unit 2-axle 6-tire vehicle	Mil. gal	19,960	24,490	28,993	29,601	29,867
Combination trucks	Mil. gal	6,923	8,357	9,216	9,409	9,573
Average fuel consumption per vehicle	Gallons	3,447	3,953	4,315	4,221	4,217
Single unit 2-axle 6-tire vehicle	Gallons	1,583	1,862	1,835	1,787	1,808
Combination trucks	Gallons	9,201	9,441	11,663	11,561	11,338
Highway-user taxes, total	Mil. dol	9,888	19,356	25,116	(NA)	(NA)
SAFETY						
Occupant fatalities						
Light trucks	Number	8,748	9,306	10,216	10,522	10,941
Large trucks	Number	7,486	8,601	9,568	9,901	10,224
Vehicle involvement, total (per 100 million vehicle-miles)	Rate	1,262	705	648	621	717
		4.5	2.9	2.4	2.4	2.3

NA Not available.

Source of Tables 1055 and 1056: U.S. Bureau of Transportation Statistics, *National Transportation Statistics*, annual.

No. 1057. Trucks by Use, Body Type, and Annual Miles: 1992 and 1997

[In thousands (59,200.8 represents 59,200,800), except percent change. Minus sign (-) indicates decrease]

Vehicular and operational characteristics	All trucks			Trucks, excluding pickups, panels, vans, sport utilities, and station wagons		
	1992	1997	Percent change 1992-97	1992	1997	Percent change 1992-97
MAJOR USES						
Total	59,200.8	72,800.3	23.0	5,112.4	5,664.7	10.8
Agriculture	3,554.6	3,377.8	-5.0	898.7	854.7	-4.9
Forestry and lumbering	264.5	276.7	4.6	100.6	112.1	11.4
Mining and quarrying	220.4	250.7	13.7	79.2	82.1	3.7
Construction	4,986.3	6,033.9	21.0	1,015.4	1,161.8	14.4
Manufacturing	786.7	729.4	-7.3	257.6	258.6	0.4
Wholesale trade	1,136.1	1,264.6	11.3	438.3	440.4	0.5
Retail trade	1,950.9	2,243.8	15.0	434.9	469.3	7.9
For-hire transportation	889.2	1,059.4	19.1	769.6	938.2	21.9
Utilities	541.2	663.8	22.7	183.4	204.9	11.7
Services	3,123.3	4,233.5	35.5	421.2	591.4	40.4
Daily rental	307.6	508.0	65.1	90.6	171.2	89.0
One-way rental	17.1	31.2	82.5	14.1	28.3	100.7
Personal transportation	40,441.9	50,934.5	25.9	231.0	183.0	-20.8
Not in use	981.0	1,193.1	21.6	177.8	168.6	-5.2
BODY TYPE						
Pickup	33,659.6	36,191.8	7.5	(X)	(X)	(X)
Minivan	6,129.6	9,837.9	60.5	(X)	(X)	(X)
Panel or van	5,701.0	5,572.7	-2.3	(X)	(X)	(X)
Utility vehicles	7,140.2	13,762.5	92.7	(X)	(X)	(X)
Station wagon	1,457.9	1,770.7	21.5	(X)	(X)	(X)
Multistop or stepvan	408.4	560.4	37.2	408.4	560.4	37.2
Platform with added devices	295.7	308.2	4.2	295.7	308.2	4.2
Low boy or depressed center	89.8	111.1	23.7	89.8	111.1	23.7
Basic platform	1,183.3	1,176.1	-0.6	1,183.3	1,176.1	-0.6
Livestock truck	48.3	39.1	-19.0	48.3	39.1	-19.0
Insulated nonrefrigerated van	23.3	34.5	48.1	23.3	34.5	48.1
Insulated refrigerated van	204.8	234.0	14.3	204.8	234.0	14.3
Drop-frame van	60.1	54.9	-8.7	60.1	54.9	-8.7
Open-top van	20.1	20.8	3.5	20.1	20.8	3.5
Basic enclosed van	785.4	1,009.0	28.5	785.4	1,009.0	28.5
Beverage	73.0	70.2	-3.8	73.0	70.2	-3.8
Utility	157.0	152.0	-3.2	157.0	152.0	-3.2
Winch or crane	58.8	55.0	-6.5	58.8	55.0	-6.5
Wrecker	104.1	111.9	7.5	104.1	111.9	7.5
Pole or logging	53.9	55.7	3.3	53.9	55.7	3.3
Auto transport	22.3	20.1	-9.9	22.3	20.1	-9.9
Service truck	144.1	168.6	17.0	144.1	168.6	17.0
Yard tractor	8.1	10.8	33.3	8.1	10.8	33.3
Oilfield truck	26.5	26.1	-1.5	26.5	26.1	-1.5
Grain body	310.8	299.1	-3.8	310.8	299.1	-3.8
Garbage hauler	72.4	91.6	26.5	72.4	91.6	26.5
Dump truck	611.9	670.8	9.6	611.9	670.8	9.6
Tank truck (liquids or gases)	231.9	249.4	7.5	231.9	249.4	7.5
Tank truck (dry bulk)	33.8	39.7	17.5	33.8	39.7	17.5
Concrete mixer	61.0	73.1	19.8	61.0	73.1	19.8
Other	23.7	22.6	-4.6	23.7	22.6	-4.6
ANNUAL MILES						
Less than 5,000	12,284.3	13,045.1	6.2	1,663.1	1,554.2	-6.5
5,000 to 9,999	12,273.1	13,465.5	9.7	751.9	753.4	0.2
10,000 to 19,999	22,656.5	29,974.6	32.3	978.6	1,128.8	15.3
20,000 to 29,999	7,499.5	10,198.5	36.0	512.6	585.4	14.2
30,000 to 49,999	3,215.3	4,349.9	35.3	458.8	571.1	24.5
50,000 to 74,999	717.0	951.3	32.7	284.9	374.5	31.4
75,000 or more	554.9	815.5	47.0	462.3	697.3	50.8
VEHICLE ACQUISITION						
Purchased new	26,967.2	30,052.9	11.4	2,091.2	2,323.6	11.1
Purchased used	30,417.3	37,834.5	24.4	2,601.1	2,762.6	6.2
Leased from someone else	1,397.1	4,039.3	189.1	373.6	522.2	39.8
Other and not reported	419.1	873.6	108.4	46.5	56.3	21.1

X Not applicable.

Source: U.S. Census Bureau, *Vehicle Inventory and Use Survey, 1997*.

No. 1058. Trucking and Courier Services—Summary: 1990 to 1998

[Represents SIC 421]

Item	1990	1991	1992	1993	1994	1995	1996	1997	1998
OPERATING REVENUE (mil. dol.)									
All carriers:									
Operating revenue, total	127,314	126,772	135,437	142,547	155,713	161,806	172,743	183,153	197,490
Motor carrier	117,122	117,732	127,049	135,000	148,002	153,881	163,786	173,884	187,451
Local trucking	28,017	27,281	31,120	36,649	43,592	48,731	52,301	59,354	66,968
Long-distance trucking	89,105	90,451	95,929	98,351	104,410	105,150	111,485	114,530	120,483
Commodities handled:									
Agricultural and food products	17,103	17,850	19,390	19,518	20,937	21,668	22,546	23,972	23,132
Mining products, unrefined	1,954	1,748	1,890	2,293	2,668	3,116	3,513	3,977	4,123
Building materials	6,269	5,966	7,247	9,044	10,195	10,495	11,051	12,516	14,045
Forestry, wood, and paper prod.	7,261	7,559	8,441	8,518	9,150	8,653	9,064	9,718	10,910
Chemicals and allied products	5,964	6,071	6,350	6,225	6,232	6,131	6,431	6,826	7,548
Petroleum and petroleum prod.	4,126	3,954	3,734	3,704	3,980	3,765	4,029	4,007	4,272
Metals and metal products	10,794	10,697	11,038	11,797	12,648	13,112	13,927	14,646	15,452
Household goods	7,512	7,416	8,144	8,586	9,937	10,893	11,426	12,852	13,637
Other manufactured products	15,320	15,733	17,109	19,710	23,997	25,234	27,191	28,759	28,407
Other goods	40,819	40,738	43,706	45,605	48,458	50,814	54,608	56,611	65,926
Origin and destination of shipments:									
U.S. to U.S.	(NA)	(NA)	(NA)	(NA)	145,489	151,118	160,603	170,420	183,661
U.S. to Canada	(NA)	(NA)	(NA)	(NA)	1,025	1,155	1,303	1,454	1,454
Canada to U.S.	(NA)	(NA)	(NA)	(NA)	588	617	661	669	671
Other	(NA)	(NA)	(NA)	(NA)	900	900	1,219	1,341	1,665
Operating expenses, total	118,968	118,855	127,687	133,857	145,216	151,628	162,825	170,998	179,908
INVENTORIES (est.) (1,000)									
All carriers:									
Trucks, total	230	235	246	264	297	311	332	346	395
Owned	193	197	211	233	267	280	298	301	349
Leased	37	38	(S)	(S)	(S)	(S)	(S)	(S)	(S)

NA Not available. S Does not meet publication standards.

Source: U.S. Census Bureau, *Transportation Annual Survey* (formerly known as *Motor Freight Transportation and Warehousing Survey*).

No. 1059. Class I Intercity Motor Carriers of Property by Carrier: 1980 to 1993

[Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (-) indicates loss]

Item	Unit	1980	1985	1989	1990	1991	1992	1993
Common carriers, gen. freight reporting								
Number of employees, average	1,000	413	376	461	465	474	490	511
Compensation of employees	Mil. dol.	9,803	10,217	12,854	13,556	14,032	14,967	15,987
Operating revenues	Mil. dol.	19,725	22,314	27,405	29,682	31,619	34,594	37,600
Operating expenses	Mil. dol.	18,870	21,037	26,242	28,340	30,269	32,977	35,729
Ordinary income before taxes	Mil. dol.	701	1,198	988	1,146	1,180	1,453	1,641
Net income	Mil. dol.	-72	658	659	746	749	878	985
Intercity vehicle-miles	Million	6,547	5,760	6,557	6,804	7,615	8,674	9,770
Intercity revenue freight carried	Mil. ton	178	136	145	157	169	196	225
Common carriers, other reporting¹								
Number of employees, average	1,000	101	76	84	87	74	88	83
Compensation of employees	Mil. dol.	1,931	1,783	2,105	2,236	1,920	2,358	2,333
Operating revenues	Mil. dol.	8,792	7,962	8,321	9,042	7,761	9,367	9,315
Operating expenses	Mil. dol.	8,426	7,752	8,081	8,702	7,509	8,942	8,875
Ordinary income before taxes	Mil. dol.	230	123	117	198	122	309	354
Net income	Mil. dol.	14	94	88	153	85	221	250
Intercity vehicle-miles	Million	6,889	5,714	6,320	6,566	5,372	6,696	6,295
Intercity revenue freight carried	Mil. ton	324	303	278	302	253	298	296
Contract carrier, other¹								
Number of employees, average	1,000	14	22	29	34	34	42	40
Compensation of employees	Mil. dol.	336	630	893	1,082	989	1,325	1,321
Operating revenues	Mil. dol.	1,272	1,942	2,946	3,486	3,644	4,501	4,581
Operating expenses	Mil. dol.	1,207	1,807	2,888	3,422	3,547	4,333	4,367
Ordinary income before taxes	Mil. dol.	48	103	15	3	53	127	181
Net income	Mil. dol.	28	69	3	-13	20	80	123
Intercity vehicle-miles	Million	934	1,227	1,826	2,044	2,339	2,933	2,913
Intercity revenue freight carried	Mil. ton	37	41	80	80	76	110	99
Carriers of household goods reporting								
Number of employees, average	1,000	10	11	12	13	12	12	10
Compensation of employees	Mil. dol.	157	240	276	296	298	291	252
Operating revenues	Mil. dol.	1,824	2,684	3,114	3,152	3,026	3,180	3,274
Intercity freight	Mil. dol.	1,676	2,388	2,703	2,702	2,318	2,787	2,834
Operating expenses	Mil. dol.	1,781	2,635	3,059	3,129	2,973	3,159	3,198
Ordinary income before taxes	Mil. dol.	74	79	41	12	27	-1	48
Net income	Mil. dol.	42	54	28	8	17	8	62
Power units, intercity service	1,000	25	35					
Intercity vehicle-miles	Million	969	1,171	1,229	1,366	1,086	1,136	949
Intercity revenue freight carried	Mil. ton	5	7	7	8	7	9	5

¹ Other than general freight.

Source: Through 1992, U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual; thereafter, Bureau of Transportation Statistics, *National Transportation Statistics*, annual.

No. 1061. Railroads, Class I-Cars of Revenue Freight Loaded, 1970 to 1999, and by Commodity Group, 1998 and 1999

[In thousands (27,160 represents 27,160,000). Figures are 52-week totals. N.e.c.= Not elsewhere classified]

Year	Carloads		Commodity group	Carloads		Commodity group	Carloads	
	Total	Piggy-back		1998	1999		1998	1999
1970	27,160	1,450	Coal	6,927	6,773	Metals and products	641	651
1975	23,217	1,308	Metallic ores	345	291	Stone, clay, and glass products	483	494
1980	22,598	1,661	Chemicals, allied products	1,560	1,603	Crushed stone, gravel, sand	754	813
1985	19,574	2,863	Grain	1,184	1,271	Nonmetallic minerals, n.e.c.	497	450
1990	16,177	(NA)	Motor vehicles and equipment	1,212	1,265	Waste and scrap materials	466	468
1993	15,911	(NA)	Pulp, paper, allied products	511	504	Lumber, wood products, n.e.c. ¹	272	287
1994	16,763	(NA)	Primary forest products	311	283	Coke	209	190
1995	16,763	(NA)	Food and kindred prod., n.e.c.	408	426	Petroleum product	283	295
1996	16,521	(NA)	Grain mill products	507	504	All other carloads	344	344
1997	16,568	(NA)						
1998	16,914	(NA)						
1999, prel	16,913	(NA)						

NA Not available. ¹ Excludes furniture.

Source: Association of American Railroads, Washington, DC, *Weekly Railroad Traffic*, annual.

No. 1062. Railroads, Class I Line-Haul-Revenue Freight Originated by Commodity Group: 1990 to 1998

[21,401 represents 21,401,000]

Commodity group	1990	1991	1992	1993	1994	1995	1996	1997	1998
Carloads (1,000) ¹	21,401	20,868	21,205	21,683	23,179	23,726	24,159	25,016	25,705
Coal	5,912	5,683	5,572	5,310	5,681	6,095	6,746	6,703	7,027
Farm products	1,689	1,605	1,646	1,636	1,459	1,692	1,530	1,408	1,404
Chemicals, allied products	1,531	1,556	1,568	1,606	1,695	1,642	1,639	1,674	1,653
Food and kindred products	1,307	1,316	1,352	1,380	1,381	1,377	1,302	1,295	1,282
Nonmetallic minerals ²	1,202	1,075	1,029	1,044	1,138	1,159	1,176	1,160	1,256
Transportation equipment	1,091	1,068	1,181	1,355	1,448	1,473	1,442	1,485	1,671
Lumber and wood products ³	780	716	726	710	771	719	682	669	645
Pulp, paper, allied products	611	616	618	620	651	628	589	582	547
Petroleum and coal products	573	533	583	584	602	596	567	534	510
Stone, clay, and glass products	539	479	483	487	512	516	491	485	475
Metallic ores	508	499	489	443	440	463	443	327	311
Primary metal products	477	469	481	528	579	575	597	604	644
Waste and scrap materials	439	433	487	558	604	623	605	608	581
Machinery, exc. electrical	39	39	39	37	40	41	40	43	37
Fabricated metal products ⁴	31	34	32	37	37	32	29	29	27
Tons (mil.) ¹	1,425	1,383	1,399	1,397	1,470	1,550	1,611	1,585	1,649
Coal	579	560	554	534	574	627	705	705	749
Farm products	147	144	149	147	131	154	142	126	129
Chemicals, allied products	126	127	130	134	142	138	139	140	139
Nonmetallic minerals ²	109	99	94	96	106	110	113	109	120
Food and kindred products	81	83	86	88	88	91	87	86	87
Lumber and wood products ³	53	48	50	49	54	51	49	48	47
Metallic ores	47	45	45	41	40	44	42	32	31
Stone, clay, and glass products	44	39	40	40	42	43	42	41	41
Petroleum and coal products	40	37	41	41	43	43	42	39	38
Primary metal products	38	37	39	43	47	47	49	50	53
Pulp, paper, allied products	33	33	34	34	37	36	33	32	31
Waste and scrap materials	28	27	30	35	37	38	38	37	36
Transportation equipment	23	22	25	29	30	30	29	31	36
Machinery, exc. electrical	1	1	1	1	1	1	1	1	1
Fabricated metal products ⁴	1	1	1	1	1	1	1	1	1
Gross revenue (mil. dol.) ¹	29,775	29,319	29,777	30,376	32,424	33,782	34,310	34,964	34,898
Coal	6,954	6,903	6,717	6,481	7,021	7,356	7,706	7,698	7,997
Chemicals, allied products	3,933	4,043	4,123	4,277	4,520	4,553	4,660	4,764	4,610
Transportation equipment	3,100	2,633	2,753	3,021	3,257	3,269	3,390	3,462	3,339
Farm products	2,422	2,332	2,454	2,528	2,407	3,020	2,807	2,645	2,529
Food and kindred products	2,188	2,254	2,308	2,336	2,427	2,464	2,378	2,385	2,378
Pulp, paper, allied products	1,486	1,502	1,508	1,511	1,510	1,543	1,485	1,507	1,472
Lumber and wood products ³	1,390	1,282	1,342	1,324	1,421	1,385	1,409	1,471	1,487
Primary metal products	979	977	970	1,021	1,114	1,199	1,254	1,294	1,304
Stone, clay, and glass products	931	878	911	944	1,009	1,044	1,033	1,063	1,056
Petroleum and coal products	918	888	943	929	967	997	1,013	1,028	991
Nonmetallic minerals ²	885	824	812	818	862	875	895	899	920
Waste and scrap materials	504	515	558	613	655	685	702	711	693
Metallic ores	408	400	409	385	378	394	382	399	373
Machinery, exc. electrical	67	62	61	59	65	69	70	73	64
Fabricated metal products ⁴	42	48	45	50	50	44	41	41	37

¹ Includes commodity groups and small packaged freight shipments, not shown separately. ² Except fuels. ³ Except furniture. ⁴ Except ordnance, machinery, and transport.

Source: Association of American Railroads, Washington, DC, *Freight Commodity Statistics*, annual.

No. 1063. Railroad Freight—Producer Price Indexes: 1990 to 1999

[Dec. 1984=100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

Commodity	1990	1993	1994	1995	1996	1997	1998	1999
Total railroad freight	107.5	110.9	111.8	111.7	111.5	112.1	113.4	113.0
Coal	104.2	106.6	107.5	107.3	106.7	107.0	108.7	107.3
Farm products	110.4	113.7	114.5	115.6	115.7	120.4	123.9	121.7
Food products	105.4	109.0	111.0	111.2	108.5	107.6	107.4	99.7
Metallic ores	106.5	106.7	106.6	101.9	103.5	103.4	104.4	103.8
Chemicals or allied products	111.7	116.2	117.6	120.0	119.2	119.6	120.1	119.1
Nonmetallic minerals	111.7	119.3	119.7	119.5	119.2	120.6	121.5	121.7
Wood or lumber products	107.5	109.7	110.0	110.0	112.8	111.0	110.3	109.8
Transportation equipment	107.5	113.1	115.3	112.8	114.0	113.2	113.4	113.3
Pulp, paper, or allied products	108.0	112.6	111.1	108.7	(NA)	111.2	113.7	115.5
Primary metal products	113.1	116.3	115.6	115.6	115.4	114.0	116.1	118.4
Clay, concrete, glass, or stone products	114.1	117.9	120.1	121.4	121.1	119.8	121.8	122.6
Petroleum and coal products	109.2	110.6	114.8	114.3	114.1	120.5	122.5	123.0

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 1064. Petroleum Pipeline Companies—Characteristics: 1980 to 1998

[173 represents 173,000. Covers pipeline companies operating in interstate commerce and subject to jurisdiction of Federal Energy Regulatory Commission]

Item	Unit	1980	1985	1990	1993	1994	1995	1996	1997	1998
Miles of pipeline, total	1,000	173	171	168	164	159	177	169	160	157
Gathering lines	1,000	36	35	32	29	30	35	32	31	21
Trunk lines	1,000	136	136	136	135	128	142	137	130	136
Total deliveries	Mil. bbl.	10,600	10,745	11,378	12,219	12,159	12,862	12,635	12,481	12,914
Crude oil	Mil. bbl.	6,405	6,239	6,563	6,708	6,785	6,952	6,975	6,795	7,639
Products	Mil. bbl.	4,195	4,506	4,816	5,511	5,373	5,910	5,660	5,686	5,275
Total trunk line traffic	Bil. bbl.-miles	3,405	3,342	3,500	3,051	3,566	3,619	3,734	3,683	3,475
Crude oil	Bil. bbl.-miles	1,948	1,842	1,891	1,382	1,823	1,899	1,912	1,901	1,747
Products	Bil. bbl.-miles	1,458	1,500	1,609	1,669	1,743	1,720	1,822	1,782	1,696
Carrier property value	Mil. dol.	19,752	21,605	25,828	31,625	26,363	27,460	28,043	30,655	30,181
Operating revenues	Mil. dol.	6,356	7,461	7,149	6,931	7,281	7,711	7,321	7,215	6,890
Net income	Mil. dol.	1,912	2,431	2,340	1,763	2,148	2,670	2,372	2,255	2,051

Source: PennWell Publishing Co., Houston, Texas, *Oil & Gas Journal*, annual (copyright).

No. 1065. Major Interstate Natural Gas Pipeline Companies—Summary: 1985 to 1991

[The classification of A and B interstate natural gas pipeline companies changed to major companies and nonmajor companies. Major natural gas pipeline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas]

Item	Unit	1985	1986	1987	1988	1989	1990	1991
Sales	Tril. cu. ft.	11.3	7.8	6.5	6.4	5.6	4.5	3.9
Residential	Tril. cu. ft.	0.3	0.2	0.2	0.3	0.1	0.2	0.2
Commercial, industrial	Tril. cu. ft.	1.1	0.5	0.4	0.5	0.5	0.4	0.3
For resale	Tril. cu. ft.	9.9	7.1	5.8	5.6	4.9	3.9	3.3
Operating revenues	Mil. dol.	49,106	33,859	27,565	27,501	25,695	22,574	21,420
From sales ¹	Mil. dol.	44,996	29,508	22,942	22,512	19,786	15,981	14,135
From transportation of gas of others	Mil. dol.	2,272	3,027	3,622	4,059	4,959	5,505	6,117
Other	Mil. dol.	1,838	1,325	1,002	929	950	1,088	1,167
Operation, maintenance expenses	Mil. dol.	42,528	27,460	21,794	22,742	20,829	17,446	17,335
Production	Mil. dol.	36,739	22,208	16,955	17,625	15,257	12,124	11,663
Storage	Mil. dol.	418	420	409	436	458	417	460
Transmission	Mil. dol.	3,409	2,984	2,598	2,589	2,589	2,720	2,880
Distribution	Mil. dol.	132	80	80	127	94	112	133
Administrative, general, and other	Mil. dol.	1,830	1,768	1,752	1,966	2,430	2,074	2,048
Pipeline mileage	1,000	230.2	217.3	249.5	246.9	253.2	230.2	249.5
Transmission lines	1,000	189.7	184.6	181.2	191.6	194.1	195.5	146.8
Field lines	1,000	69.6	64.5	62.9	55.5	55.1	54.0	50.7
Storage	1,000	4.8	4.6	4.3	4.8	4.8	5.0	4.7

¹ Includes other ultimate customers not shown separately.

Source: U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.