

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. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States*, which contain data on railroads and motor carriers subject to ICC regulations.

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*.

Various censuses and surveys conducted by the U.S. Census Bureau also provide data. 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.

Urban and rural highway mileage—

Beginning in 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to nonmunicipal roads.

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.

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

**No. 1013. Passenger and Freight Transportation Outlays,
by Type of Transport: 1980 to 1997**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

**No. 1014. Volume of Domestic Intercity Freight and Passenger Traffic,
by Type of Transport: 1980 to 1997**

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

No. 1015. Transportation Industry Summary: 1992

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	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
Intercity and rural bus service	413	607	1,092	483	116	20,404
Charter bus service	414	1,307	1,269	394	86	24,604
School buses	415	4,260	3,315	1,380	355	130,093
Bus terminal and service facilities	417	19	12	4	1	196
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	844	7,063	821	203	16,779
Transportation services	47	46,593	23,890	7,850	1,854	329,202
Arrangement of passenger transportation	472	31,793	10,573	3,921	931	192,981
Freight shipping services	473	12,553	9,159	3,233	761	106,979
Other transportation services	474, 8	2,247	4,158	696	162	29,242
Rental of railroad cars	474	125	1,881	85	23	1,926
Misc. services incidental to transportation	478	2,122	2,277	612	140	27,316

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. 1016. Employment and Earnings in Transportation, by Industry: 1980 to 1998

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

Industry	SIC code ¹	1980	1985	1990	1993	1994	1995	1996	1997	1998
NUMBER (1,000)										
Total transportation	(X)	2,960	3,761	3,511	3,598	3,761	3,904	4,019	4,106	4,208
Railroads	40	532	241	279	248	241	238	231	227	232
Class I railroads	4011	482	214	241	218	214	212	206	202	205
Local and interurban passengers	41	265	404	338	379	404	419	437	451	462
Trucking and warehousing	42	(NA)	1,526	1,395	1,444	1,526	1,587	1,637	1,667	1,707
Water transportation	44	211	172	177	168	172	175	174	180	186
Air transportation	45	(NA)	1,023	968	988	1,023	1,068	1,107	1,128	1,157
Pipelines, exc. natural gas	46	21	17	19	18	17	15	15	14	14
Transportation services	47	(NA)	378	336	352	378	401	418	439	449
AVERAGE WEEKLY EARNINGS (dol.)										
Class I railroads	4011	427	786	727	782	786	811	850	892	845
Local and interurban passengers	41	217	354	310	342	354	358	367	374	385
Trucking and warehousing	42	(NA)	499	450	484	499	501	515	532	545
Pipelines, exc. natural gas	46	441	872	711	817	872	888	909	902	918

NA Not available. X Not applicable. ¹ 1987 Standard Industrial Classification, see text, Section 13, Labor Force.

Source: U.S. Bureau of Labor Statistics, Bulletins 2445 and 2481, Employment and Earnings, March and June issues.

No. 1017. 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	7,623,623	9,688,493	11,562,916	2,420,915	2,808,279
Single modes	4,941,452	6,237,854	8,922,286	10,726,545	2,136,873	2,466,447
Truck ¹	4,403,494	5,518,716	6,385,915	7,992,437	869,536	1,094,924
For-hire truck	2,625,093	3,116,296	2,808,279	3,355,623	629,000	772,110
Private truck	1,755,837	2,357,581	3,543,513	4,448,058	235,897	307,847
Rail	247,394	311,023	1,544,148	1,480,692	942,561	993,929
Water	61,628	69,083	505,440	538,197	271,998	290,730
Shallow draft	40,707	51,430	362,454	402,759	164,371	207,179
Great Lakes	(S)	1,048	33,041	36,630	12,395	13,618
Deep draft	19,749	16,605	109,945	98,807	95,232	69,933
Air (includes truck and air)	139,086	213,405	3,139	5,047	4,009	7,449
Pipeline ²	89,849	125,626	483,645	710,172	(S)	(S)
Multiple modes	662,603	955,128	225,676	264,610	191,461	230,244
Parcel, U.S. Postal Service or courier	563,277	865,661	18,892	24,677	13,151	18,512
Truck and rail	83,082	(S)	40,624	(S)	37,675	(S)
Truck and water	9,392	9,366	67,995	66,944	40,610	46,439
Rail and water	3,636	2,053	79,222	78,955	70,219	74,518
Other multiple modes	3,216	5,849	18,943	36,188	(S)	34,187
Other and unknown modes	242,279	430,640	540,530	571,761	92,581	111,588

S Data do not meet publication standards due to high sampling variability or other reasons. ¹ Excludes shipments of STCC 27, printed matter. ² Excludes most shipments of crude oil.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, 1996*. Data from U.S. Census Bureau, *1993 Commodity Flow Survey, U.S. Preliminary Report, TC92-CF-52(P)*, July 1995.

No. 1018. Transportation Accidents, Deaths, and Injuries: 1990 to 1997

[For related data, see also Table 1047]

Year and casualty	Type of transport											Hazardous materials ¹¹	
	Motor vehicle ¹ (1,000)	Railroad ²	Air carriers				General aviation	Recreational boating ⁶	Gas pipe lines ⁷	Liquid pipe lines ⁸	Waterborne ⁹		Rail Rapid Transit ¹⁰
			Air- lines ³	Com-muter air carriers ⁴	On-demand air carriers ⁵	Total							
Accidents:													
1990 . . .	6,471	2,879	146	24	15	106	2,215	6,411	198	180	3,613	12,178	8,880
1995 . . .	6,699	2,459	123	36	12	75	2,053	8,019	161	188	4,196	14,327	14,743
1997 . . .	6,764	2,397	148	49	17	(NA)	1,858	8,044	182	179	3,704	15,151	13,853
Deaths:													
1990 . . .	44.6	599	97	39	7	50	767	865	6	3	85	117	8
1995 . . .	41.8	567	229	168	9	52	734	829	18	3	46	79	7
1997 . . .	42.0	602	93	8	46	(NA)	660	819	11	-	46	77	11
Injuries:													
1990 . . .	3,231	22,736	76	29	11	36	402	3,822	69	7	175	10,036	423
1995 . . .	3,465	12,546	64	25	25	14	395	4,141	53	11	145	11,238	399
1997 . . .	3,399	10,227	63	39	1	(NA)	365	4,555	88	5	109	12,285	226

- 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 Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. ⁹ 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. ¹⁰ Reporting criteria and source of data changed between 1989 and 1990; these data from 1990 to present are not comparable to earlier years. ¹¹ Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

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

No. 1019. Highway Mileage—Functional Systems and Urban/Rural: 1997

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

State	Functional systems						
	Total	Interstate ¹	Other arterial	Collector	Local	Urban	Rural
U.S	3,944,597	46,048	378,451	793,120	2,718,166	836,109	3,108,488
AL	93,356	905	8,746	20,306	63,379	20,126	73,230
AK	12,775	1,087	5,512	2,751	7,425	1,792	10,983
AZ	55,712	1,168	4,746	8,554	41,148	17,294	38,418
AR	94,366	546	6,833	20,110	66,769	9,874	84,492
CA	170,598	2,419	26,695	32,091	107,994	83,255	87,343
CO	85,069	953	8,150	16,610	59,126	13,859	71,210
CT	20,675	346	2,848	2,971	14,313	11,720	8,955
DE	5,722	41	617	943	4,110	1,982	3,740
DC	1,424	11	254	157	985	1,424	-
FL	114,572	1,472	11,997	14,446	86,253	48,321	66,251
GA	111,828	1,244	13,072	23,114	74,237	26,737	85,091
HI	4,165	54	754	789	2,534	1,867	2,298
ID	60,440	612	3,698	9,848	46,282	3,757	56,683
IL	137,785	2,165	13,884	21,495	100,166	35,802	101,983
IN	93,196	1,172	7,909	22,595	61,386	19,780	73,416
IA	112,804	782	9,446	31,501	71,075	9,421	103,383
KS	133,540	872	9,204	33,237	90,092	9,904	123,636
KY	73,031	762	5,452	17,621	49,105	11,024	62,007
LA	60,699	894	5,278	12,541	41,940	13,916	46,783
ME	22,643	367	2,312	5,925	14,021	2,628	20,015
MD	29,872	481	3,552	4,998	20,605	14,033	15,839
MA	35,024	566	5,644	5,480	23,130	22,906	12,118
MI	119,183	1,240	12,160	25,790	79,772	29,634	89,549
MN	130,815	913	12,617	29,520	87,623	15,532	115,283
MS	73,150	684	7,044	15,528	49,851	7,912	65,238
MO	122,766	1,178	9,304	25,071	86,925	16,388	106,378
MT	69,672	1,191	6,003	16,406	46,072	2,456	67,216
NE	92,813	482	7,883	20,773	63,658	5,133	87,680
NV	45,218	560	2,918	4,742	36,956	5,305	39,913
NH	15,119	224	1,548	2,706	10,601	2,921	12,198
NJ	35,920	420	5,407	4,587	25,194	24,234	11,686
NM	59,478	1,000	4,514	6,704	47,257	6,139	53,339
NY	112,480	1,499	13,639	20,532	75,984	40,747	71,733
NC	98,041	987	8,896	17,799	70,077	22,708	75,333
ND	86,719	572	5,873	11,434	68,840	1,829	84,890
OH	114,801	1,573	10,611	22,143	80,094	33,097	81,704
OK	112,593	930	7,838	25,386	78,305	13,078	99,515
OR	83,608	727	6,710	18,423	57,696	10,633	72,975
PA	119,129	1,750	13,156	19,763	83,976	33,727	85,402
RI	6,028	68	828	842	4,222	4,684	1,344
SC	64,773	828	6,805	13,395	43,677	10,583	54,190
SD	83,376	678	6,283	19,280	57,132	1,942	81,434
TN	86,026	1,074	8,606	18,036	58,197	17,321	68,705
TX	296,651	3,233	28,290	63,504	200,444	82,434	214,217
UT	42,970	940	3,326	7,818	30,878	6,920	36,050
VT	14,240	320	1,298	3,114	9,489	1,363	12,877
VA	69,632	1,106	8,150	14,217	45,939	18,656	50,976
WA	79,586	764	7,296	16,794	54,420	17,650	61,936
WV	35,271	549	3,237	8,794	22,682	3,177	32,094
WI	111,950	746	11,676	21,477	77,874	16,242	95,708
WY	33,293	913	3,662	10,459	18,256	2,242	31,051

- Represents zero. ¹ Also includes freeways and expressways.

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

No. 1020. Highway Mileage—Urban and Rural, by Type and Control, and Federal-Aid Highway System: 1980 to 1997

[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	1992	1993	1994	1995	1996	1997
Total mileage ¹	2,395	3,862	3,880	3,902	3,905	3,906	3,912	3,934	3,959
Urban mileage	624	691	757	785	803	814	814	834	843
Under state control	79	111	96	104	106	110	(NA)	113	113
Under local control	543	578	661	680	696	702	(NA)	719	589
Rural mileage	2,331	3,171	3,123	3,117	3,102	3,093	3,093	3,100	3,116
Percent surfaced ³	77.5	88.1	88.6	88.9	88.7	91.3	(NA)	89	(NA)
Under state control	702	773	703	697	675	690	(NA)	693	677
Under local control	2,270	2,173	2,242	2,239	2,247	2,229	(NA)	2,238	2,140
Under Federal control	262	225	178	181	180	174	(NA)	169	(NA)

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. 1021. Highway Pavement Condition, by Type of Road System: 1996

Condition	Urban areas						Rural areas				
	Total	Inter-state	Other		Minor arterial	Collector	Total	Inter-state	Other principal arterial	Minor arterial	Major collector
			Freeways and expressways	Principal 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. 1022. Funding for Highways: 1980 to 1997

[In millions of dollars (39,715 represents \$39,715,000,000). Data compiled from reports of state and local authorities]

Type	1980	1985	1990	1993	1994	1995	1996	1997
Total receipts	39,715	61,506	75,294	88,380	88,296	95,313	101,497	106,446
Current income	37,604	54,957	69,730	80,610	80,514	87,694	92,179	97,274
Imposts on highway users ¹	22,559	35,599	44,264	54,401	54,476	59,562	(NA)	(NA)
Other taxes and fees	11,808	15,127	19,827	19,375	19,872	21,390	21,274	25,629
Investment income, other receipts	3,237	4,231	5,639	6,834	6,166	6,742	7,083	6,977
Bond issue proceeds ²	2,111	6,549	5,564	7,770	7,782	7,619	9,318	9,172
Intergovernmental payments ³	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Funds from (+) or to (-) reserves ³	2,080	-4,058	114	-1,955	962	-2,809	-3,339	-4,974
Total funds available	41,795	57,448	75,408	86,425	89,258	92,504	98,158	101,472
Total disbursements	41,795	57,448	75,408	86,425	89,258	92,504	98,158	101,472
Current disbursements	40,084	54,725	72,457	81,233	85,109	87,843	93,663	96,717
Capital outlay	20,337	27,138	35,151	39,528	41,780	43,097	46,519	48,939
Maintenance and traffic services	11,445	16,032	20,365	22,894	23,607	24,455	25,803	26,326
Administration and research	3,022	4,033	6,501	7,921	8,398	8,332	8,645	8,081
Law enforcement and safety	3,824	5,334	7,235	7,157	7,518	7,977	8,774	9,316
Interest on debt	1,456	2,188	3,205	3,733	3,806	3,982	3,922	4,055
Debt retirement ²	1,711	2,723	2,951	5,192	4,149	4,661	4,495	4,755

NA Not available. 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. 1023. Public Highway Debt—State and Local Governments: 1980 to 1995

[In millions of dollars (2,357 represents \$2,357,000,000). Long-term obligations. Data are for varying calendar and fiscal years. Excludes duplicated and interunit obligations]

Item	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995
Total debt issued	2,357	8,194	4,594	5,900	5,838	9,516	12,988	14,178	10,833	11,306
State	1,135	5,397	2,702	3,775	3,277	6,252	9,460	10,035	5,739	4,718
Local	1,222	2,797	1,892	2,125	2,561	3,264	3,528	4,143	5,094	6,587
Total debt redeemed	1,982	4,606	2,774	3,729	5,158	6,138	7,665	10,823	6,103	5,635
State	1,109	3,835	1,547	2,813	2,041	4,352	5,388	8,082	3,622	2,940
Local	873	771	1,227	916	3,117	1,786	2,277	2,741	2,481	2,695
Total debt outstanding	27,519	33,379	41,663	43,834	44,514	47,892	53,539	58,373	63,062	68,733
Local	7,427	12,100	15,927	17,136	16,580	18,058	19,353	22,965	25,613	29,505

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

No. 1024. Disbursement of State Highway Funds, by State: 1990 to 1997

[In millions of dollars (\$53,580 represents \$53,580,000,000). Comprises disbursements from current revenues. Includes transactions by state toll authorities. Excludes amounts allocated for collection expenses and nonhighway purposes, and bonds redeemed by refunding]

State	1990	1995	1997	State	1990	1995	1997	State	1990	1995	1997
U.S.	53,580	67,261	73,994	KY	697	1,019	1,087	ND	189	270	326
AL	866	1,002	1,019	LA	923	1,195	1,189	OH	2,271	2,637	2,940
AK	336	438	435	ME	332	379	474	OK	827	828	867
AZ	1,525	1,199	1,359	MD	1,464	1,289	1,489	OR	765	888	992
AR	456	666	832	MA	1,055	2,501	3,287	PA	2,885	3,153	3,764
CA	4,294	5,966	6,219	MN	1,526	1,974	2,100	RI	214	290	225
CO	714	922	887	MI	1,228	1,210	1,450	SC	585	668	741
CT	1,204	1,153	1,173	MO	529	662	809	SD	232	286	349
DE	315	441	449	MS	937	1,313	1,492	TN	1,174	1,230	1,351
DC	273	140	151	MT	302	388	379	TX	3,001	3,593	4,253
FL	1,677	3,402	3,734	NE	449	578	611	UT	355	431	802
GA	1,278	1,437	1,372	NV	309	484	431	VT	165	194	213
HI	297	307	387	NH	299	328	360	VA	1,874	2,107	2,358
ID	300	350	403	NJ	1,831	2,102	2,247	WA	1,251	1,842	1,851
IL	2,645	2,985	2,992	NY	409	535	546	WV	650	781	940
IN	1,218	1,368	1,636	NC	2,874	4,515	4,778	WI	979	1,252	1,354
IA	869	1,078	1,173					WY	297	272	284

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

No. 1025. Federal Grants to State and Local Governments for Highway Trust Fund and Federal Transit Administration (FTA), by State: 1997

[Year ending Sept. 30. 20,467 represents \$20,467,000,000]

State	Highway trust fund		FTA		State	Highway trust fund		FTA		State	Highway trust fund		FTA	
	Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹
U.S.	20,467	75.4	4,555	16.8	KS	186	71.7	5	2.1	ND	141	220.5	4	6.8
AL	299	69.3	10	2.4	KY	293	74.9	16	4.1	OH	763	68.2	94	8.4
AK	340	394.0	2	2.9	LA	256	58.8	48	11.1	OK	270	81.4	13	4.0
AZ	234	73.2	35	7.7	ME	118	94.9	3	2.8	OR	340	104.7	164	50.6
AR	285	113.1	9	3.6	MD	419	82.3	90	17.6	PA	934	77.7	256	21.3
CA	2,097	65.0	675	20.9	MA	1,025	167.5	225	36.8	RI	106	107.4	7	7.1
CO	207	53.3	20	5.2	MI	605	61.9	68	6.9	SC	252	67.0	10	2.8
CT	368	112.7	72	21.9	MN	302	64.5	13	2.7	SD	146	197.3	5	6.6
DE	86	116.9	6	7.6	MS	195	71.4	7	2.9	TN	378	70.5	40	7.4
DC	94	118.0	117	220.6	MO	444	82.2	62	11.5	TX	1,179	60.7	173	8.9
FL	736	50.3	154	10.5	MT	171	195.1	3	2.9	UT	153	74.4	43	20.9
GA	473	63.2	119	15.8	NE	167	101.0	6	3.3	VT	89	151.6	12	5.5
HI	207	174.2	10	8.1	NV	148	88.5	22	13.3	VA	442	65.6	37	5.5
ID	161	133.0	4	3.2	NH	105	89.3	3	2.9	WA	467	83.2	92	16.3
IL	704	59.1	281	23.6	NJ	644	80.0	352	43.7	WV	219	120.3	13	7.1
IN	429	73.1	40	6.8	NY	201	116.3	11	6.6	WI	329	63.7	40	7.7
IA	229	80.3	20	6.9	NC	1,201	66.2	752	41.4	WY	134	279.2	1	2.9

¹ Based on U.S. Census Bureau resident population as of July 1; excluding population of the territories.
 Source: U.S. Census Bureau, *Federal Expenditures by State for Fiscal Year*, annual.

No. 1026. State Gasoline Tax Rates, 1995 and 1997, and Motor Fuel Tax Receipts, 1997

State	Rate ¹ (cents/gal.)		Re-ceipts, ² 1997 (mil. dol.)	State	Rate ¹ (cents/gal.)		Re-ceipts, ² 1997 (mil. dol.)	State	Rate ¹ (cents/gal.)		Re-ceipts, ² 1997 (mil. dol.)
	1995	1997			1995	1997			1995	1997	
AL	18.0	18.0	539	LA	20.0	20.0	499	OH	22.0	22.0	1,365
AK	8.0	8.0	17	ME	19.0	19.0	151	OK	17.0	17.0	382
AZ	18.0	18.0	486	MD	23.5	23.5	612	OR	24.0	24.0	378
AR	18.7	18.6	351	MA	21.0	21.0	590	PA	22.4	25.9	1,532
CA	32.0	22.0	442	MI	15.0	19.0	809	RI	29.0	29.0	125
CO	34.0	36.0	545	MN	20.0	20.0	527	SC	16.0	16.0	386
CT	23.0	23.0	97	MS	18.4	18.4	333	SD	18.0	21.0	101
DE	20.0	20.0	33	MO	15.0	17.0	630	TN	20.0	20.0	670
FL	12.3	12.8	1,392	MT	27.0	27.0	167	TX	20.0	20.0	2,365
GA	7.5	7.5	387	NE	25.4	24.5	280	UT	19.0	24.5	258
HI	16.0	16.0	68	NV	24.0	24.8	265	VT	16.0	20.0	65
ID	21.0	25.0	194	NH	18.7	18.7	121	VA	17.5	17.5	722
IL	19.0	19.0	1,123	NJ	10.5	10.5	493	WA	23.0	23.0	689
IN	15.0	15.0	695	NY	18.0	18.9	230	WV	25.4	25.4	271
IA	20.0	20.0	406	NC	21.9	22.8	1,377	WI	23.4	23.8	685
KS	18.0	18.0	315	ND	21.6	22.6	975	WY	9.0	9.0	53
KY	16.4	16.4	406								

¹ In effect Dec. 31. ² Represents net receipts.

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

No. 1027. Motor Vehicle Registrations, 1980 to 1997, and Drivers Licenses, and Motorcycle Registrations 1997, 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							1997			
							1997		Motor- cycle ¹ registra- tion (incl. official)	Drivers licenses	
	1980	1985	1990	1994	1995	1996	Total	Auto- mobiles (incl. taxis)			
U.S	155,796	171,654	188,798	198,045	201,530	206,365	207,754	129,749	3,786	182,709	
AL	2,938	3,338	3,744	3,177	3,553	3,324	3,669	1,906	39	3,387	
AK	262	353	477	533	542	531	542	225	13	446	
AZ	1,917	2,235	2,825	2,813	2,873	2,983	3,143	1,853	74	3,120	
AR	1,574	1,384	1,448	1,567	1,613	1,633	1,634	857	14	1,879	
CA	16,873	18,899	21,922	22,339	22,432	25,214	24,945	15,706	441	20,385	
CO	2,342	2,759	3,155	2,750	2,812	3,433	3,523	1,920	95	2,836	
CT	2,147	2,465	2,623	2,599	2,622	2,609	2,660	1,963	48	2,270	
DE	397	465	526	578	592	593	614	404	10	536	
DC	268	326	262	249	243	237	234	196	1	356	
FL	7,614	9,865	10,950	10,252	10,369	10,889	10,874	7,375	204	11,749	
GA	3,818	4,580	5,489	5,990	6,120	6,283	6,242	3,688	75	5,063	
HI	570	651	771	779	802	786	693	443	21	739	
ID	834	854	1,054	1,035	1,043	1,061	1,081	494	35	844	
IL	7,477	7,727	7,873	8,698	8,973	8,817	8,443	5,854	182	7,692	
IN	3,826	4,024	4,366	4,889	5,072	5,216	5,346	3,248	98	3,924	
IA	2,329	2,696	2,632	2,766	2,814	2,869	2,851	1,636	132	1,953	
KS	2,007	2,148	2,012	2,083	2,085	2,110	2,152	1,137	48	1,825	
KY	2,593	2,615	2,909	2,666	2,631	2,696	2,781	1,634	39	2,575	
LA	2,779	3,012	2,995	3,426	3,286	3,318	3,411	1,930	38	2,678	
ME	724	840	977	946	967	959	1,059	637	28	901	
MD	2,803	3,276	3,607	3,640	3,654	3,635	3,786	2,628	39	3,347	
MA	3,749	3,738	3,726	4,027	4,502	4,702	5,070	3,832	89	4,393	
MI	6,488	6,727	7,209	7,574	7,674	8,010	8,024	5,111	154	6,751	
MN	3,091	3,385	3,508	4,057	3,882	3,861	3,927	2,317	124	2,839	
MS	1,577	1,746	1,875	2,063	2,144	2,182	2,234	1,263	31	1,723	
MO	3,271	3,558	3,905	4,208	4,255	4,350	4,351	2,550	55	3,744	
MT	680	652	783	950	968	973	980	455	21	662	
NE	1,254	1,257	1,384	1,458	1,467	1,479	1,507	812	18	1,179	
NV	655	709	853	985	1,047	1,096	1,146	659	23	1,186	
NH	704	974	946	992	1,122	1,112	1,127	739	47	883	
NJ	4,761	4,909	5,652	5,839	5,906	5,822	5,817	4,269	94	5,576	
NM	1,088	1,176	1,301	1,422	1,484	1,545	1,514	780	31	1,194	
NY	8,002	9,042	10,196	10,196	10,274	10,636	10,873	8,063	134	10,530	
NC	4,532	4,450	5,162	5,443	5,682	5,759	5,786	3,480	70	5,399	
ND	627	655	630	685	695	679	695	337	16	452	
OH	7,771	8,102	8,410	9,664	9,810	9,770	10,108	6,700	219	8,186	
OK	2,583	2,864	2,649	2,806	2,856	3,082	2,884	1,529	52	2,279	
OR	2,081	2,204	2,445	2,753	2,785	2,851	2,891	1,578	62	2,277	
PA	6,926	7,209	7,971	8,482	8,481	8,640	8,825	6,050	182	8,318	
RI	623	610	672	699	699	696	710	515	18	680	
SC	1,996	2,222	2,521	2,743	2,833	2,791	2,850	1,765	40	2,613	
SD	601	650	704	769	709	751	718	378	25	524	
TN	3,271	3,754	4,444	5,059	5,400	4,830	4,535	2,756	56	3,929	
TX	10,475	12,444	12,800	13,626	13,682	13,487	12,923	7,085	129	12,834	
UT	992	1,099	1,206	1,415	1,447	1,445	1,530	851	23	1,357	
VT	347	398	462	489	492	503	496	291	19	475	
VA	3,626	4,253	4,938	5,507	5,613	5,576	5,709	3,630	56	4,901	
WA	3,225	3,526	4,257	4,465	4,503	4,603	4,702	2,691	104	4,010	
WV	1,320	1,143	1,225	1,462	1,425	1,406	1,355	755	17	1,285	
WI	2,941	3,187	3,815	3,926	3,993	3,972	4,233	2,551	190	3,672	
WY	467	500	528	508	601	562	553	222	15	353	

¹ Excludes vehicles owned by military services.

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

No. 1028. Selected Motor Vehicle Indicators, by Model Year: 1992 to 1997

[In thousands of units (12,868 represents 12,868,000), 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
New motor vehicle sales	12,868	13,913	15,179	15,233	15,460	15,380
New-car sales	8,160	8,428	8,936	8,736	8,654	8,259
Domestic	6,195	6,595	7,173	7,167	7,361	6,924
U.S. nameplates	5,048	5,348	5,707	5,518	5,428	4,964
Transplants	1,146	1,247	1,466	1,649	1,933	1,960
Import	1,966	1,833	1,763	1,570	1,293	1,335
New-truck sales	4,707	5,486	6,244	6,498	6,806	7,121
Light	4,446	5,167	5,869	6,070	6,389	6,707
Domestic	4,026	4,789	5,499	5,666	5,976	6,155
Import	421	378	370	404	413	552
Other	261	320	375	427	417	414
Domestic-car production	5,643	5,827	6,548	6,466	6,194	5,879
Avg. expenditure per new car ¹ (dollar)	16,893	17,526	18,431	18,849	19,397	20,305
Domestic (dollar)	16,281	16,595	17,406	17,695	18,064	18,580
Import (dollar)	18,861	20,998	22,598	24,111	26,972	29,296

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. 1029. U.S. Truck Market—Import Penetration: 1975 to 1996

[Represents retail sales]

Year	Total U.S. sales	Domestic (lbs. GVWR) ¹			Imports		Percent of U.S. market		
		Total	14,000 lbs. & under	14,001-33,000	Over 33,000	Total imports	From Japan	Total imports	
1975	2,478,219	2,248,904	1,973,853	191,903	83,148	229,315	228,097	9.2	9.3
1976	3,181,254	2,943,872	2,662,587	183,999	97,286	237,382	236,211	7.4	7.5
1977	3,675,439	3,352,255	3,011,667	199,945	140,643	323,184	321,364	8.7	8.8
1978	4,109,079	3,773,166	3,406,419	205,139	161,608	335,913	333,662	8.1	8.2
1979	3,479,794	3,009,867	2,635,604	200,969	173,294	469,701	465,701	13.4	13.5
1980	2,487,239	2,000,669	1,734,664	149,213	116,792	486,570	480,547	19.3	19.6
1981	2,260,318	1,809,188	1,587,093	122,395	99,700	451,130	443,504	19.6	20.0
1982	2,559,881	2,145,947	1,968,473	101,697	75,777	413,934	407,486	15.9	16.2
1983	3,129,476	2,658,269	2,477,238	99,384	81,647	471,207	463,515	14.8	15.1
1984	4,093,199	3,475,416	3,208,366	129,557	137,693	617,783	607,758	14.8	15.1
1985	4,681,698	3,902,417	3,629,080	139,756	133,581	779,281	768,625	16.4	16.6
1986	4,862,717	3,921,408	3,676,129	133,465	111,814	941,309	926,729	19.1	19.4
1987	4,912,374	4,054,738	3,790,606	133,872	130,260	857,636	840,297	17.1	17.5
1988	5,148,964	4,508,059	4,199,643	160,544	147,872	640,905	623,540	12.1	12.4
1989	4,941,220	4,403,299	4,113,467	145,104	144,728	537,921	514,532	10.4	10.9
1990	4,846,162	4,215,003	3,956,835	137,031	121,137	631,159	610,688	12.6	13.0
1991	4,364,672	3,813,173	3,605,779	108,751	98,643	551,499	539,556	12.4	12.6
1992	4,903,362	4,481,325	4,247,097	115,198	119,030	422,037	412,961	8.4	8.6
1993	5,680,994	5,287,379	5,000,430	129,063	157,886	393,615	381,433	6.7	6.9
1994	6,420,857	5,995,227	5,657,634	151,897	185,696	425,630	406,682	6.3	6.6
1995	6,481,357	6,064,154	5,690,903	171,948	201,303	417,203	393,573	6.1	6.4
1996	6,929,591	6,477,802	6,131,646	176,147	170,009	451,789	416,211	6.0	6.5

¹ GVWR = Gross vehicle gross weight rating in U.S. pounds. ² North American built.

Source: American Automobile Manufacturers Association, Washington, DC, *Motor Vehicle Facts and Figures*, annual (copyright).

No. 1030. Alternative Fueled Vehicles in Use, by Fuel Type: 1997 to 1999

Fuel	Alternative fueled vehicles			Fuel consumption (1,000 gasoline-equivalent gallons)		
	1997	1998	1999	1997	1998	1999
Fuels	369,807	395,625	418,128	311,692	334,541	351,539
Liquefied petroleum gases (LPG)	263,000	269,000	274,000	238,356	245,058	250,322
Compressed natural gas (CNG)	70,852	85,730	96,017	64,295	76,852	87,389
Liquefied natural gas (LNG)	813	1,358	1,517	3,714	6,338	6,888
M85 (Mixture: 85% methanol + 15% gasoline)	21,040	21,578	21,829	1,554	1,395	1,301
Neat methanol (M100)	172	378	378	347	1,923	1,923
E85 (Mixture: 85% ethanol +15% gasoline)	9,130	11,743	17,892	1,280	1,615	2,243
E95 (Mixture: 95% ethanol + 5% gasoline)	347	14	14	1,136	59	59
Electricity	4,453	5,824	6,481	1,010	1,301	1,414

Source: Energy Information Administration, *Alternatives to Traditional Transportation Fuels: 1996*.

No. 1031. Motor Vehicle Production and Trade: 1980 to 1996

[8,010 represents 8,010,000]

Item	Unit	1980	1990	1991	1992	1993	1994	1995	1996
United States	1,000 . . .	8,010	9,784	8,811	9,702	10,898	12,263	11,985	11,799
Passenger car production	1,000 . . .	6,376	6,078	5,439	5,664	5,981	6,614	6,351	6,083
Truck and bus production	1,000 . . .	1,634	3,706	3,372	4,038	4,917	5,649	5,635	5,716
Imports:									
Passenger cars (new) ^{1 2}	1,000 . . .	3,116	3,945	3,736	3,575	3,808	4,097	4,114	4,064
Canada	1,000 . . .	595	1,220	1,196	1,200	1,468	1,591	1,678	1,688
Germany, Federal Republic of	1,000 . . .	339	245	172	206	184	188	207	234
Japan	1,000 . . .	1,992	1,868	1,789	1,637	1,597	1,593	1,387	1,191
Trucks and buses (new) ²	1,000 . . .	747	766	716	777	722	708	662	688
Japan	1,000 . . .	483	302	283	197	154	170	90	52
All-terrain vehicles	1,000 . . .	(NA)	100	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Motorcycles, total ³	1,000 . . .	1,120	169	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Import value:									
Passenger cars (new) ¹	Mil. dol. .	16,675	45,716	45,564	46,729	52,208	61,367	64,526	66,916
Trucks and buses, (new) ¹	Mil. dol. .	1,985	8,155	8,221	10,000	10,104	10,909	11,792	12,381
Motorcycles ^{3 4}	Mil. dol. .	1,142	361	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Exports, number:									
Passenger cars (new) ¹	1,000 . . .	617	794	755	851	864	1,019	989	974
Trucks and buses (new) exports	1,000 . . .	186	159	208	161	181	274	254	316
Export value ^{1 5}	Mil. dol. .	16,015	38,086	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Passenger cars (new) ⁵	Mil. dol. .	3,932	9,708	9,886	11,893	12,476	14,591	14,251	14,392
Trucks and buses (new) ⁵	Mil. dol. .	2,977	2,845	3,388	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)	(NA)
Factory sales:									
Passenger cars	1,000 . . .	6,400	6,050	5,407	5,685	5,962	6,549	6,310	6,140
Trucks and buses	1,000 . . .	1,667	3,725	3,387	4,062	4,895	5,640	5,713	5,776
Retail sales:									
Passenger cars (new) ¹	1,000 . . .	8,979	9,300	8,175	8,213	8,518	8,991	8,635	8,527
Domestics ⁷	1,000 . . .	6,581	6,897	6,137	6,277	6,742	7,255	7,129	7,254
Imports ⁸	1,000 . . .	2,398	2,403	2,038	1,937	1,776	1,735	1,506	1,273
Trucks and buses ⁹	1,000 . . .	2,232	4,261	3,606	4,247	5,000	5,658	5,691	6,132
Light duty (up to 14,000 GVW) ¹⁰	1,000 . . .	1,964	3,984	3,621	4,264	5,015	5,673	5,703	(NA)
Med. duty (14,001-26,000 GVW) ¹⁰	1,000 . . .	92	71	50	57	64	69	80	(NA)
Heavy duty (over 26,000 GVW) ¹⁰	1,000 . . .	176	207	171	192	239	284	308	(NA)
Under 6,000 pounds	1,000 . . .	985	2,866	2,719	3,212	3,754	4,132	4,031	4,398
Utility	1,000 . . .	51	490	549	666	721	1,130	1,258	1,392
Van	1,000 . . .	79	31	17	21	18	12	12	18
Minivan (cargo)	1,000 . . .	(X)	83	66	63	70	82	73	64
Station wagon (truck chassis)	1,000 . . .	(X)	112	110	201	321	-	-	-
Mini-passenger carrier ¹¹	1,000 . . .	(X)	750	706	840	1,002	1,132	1,113	1,098
6,000 to 10,000 pounds ¹¹	1,000 . . .	975	1,097	876	1,021	1,232	1,506	1,631	1,690
Utility	1,000 . . .	108	68	37	51	60	72	144	243
Van	1,000 . . .	172	254	203	241	279	275	274	254
Pickup, conventional	1,000 . . .	546	568	476	524	647	883	967	936
Station wagon (truck chassis)	1,000 . . .	39	85	55	80	115	125	109	137
10,001 pounds and over	1,000 . . .	271	298	242	275	330	388	428	(NA)

- Represents 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. 1032. 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 1031 and 1032: 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. Motor Vehicle Registrations: 1980 to 1997

[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	1993	1994	1995	1996	1997
All motor vehicles	155,796	188,798	194,063	198,045	201,530	206,365	207,754
Private and commercial	153,265	185,541	190,643	194,532	197,941	202,714	204,079
Publicly owned	2,531	3,257	3,421	3,514	3,589	3,651	3,674
Automobiles ¹	121,601	133,700	127,327	127,883	128,387	129,728	129,749
Private and commercial	120,743	132,164	125,844	126,397	126,900	128,439	128,450
Publicly owned	857	1,536	1,484	1,486	1,487	1,289	1,299
Buses	529	627	654	670	686	697	698
Private and commercial	254	275	276	283	288	291	294
Publicly owned	275	351	378	388	398	406	403
Trucks ¹	33,667	54,470	66,082	69,491	72,458	75,940	77,307
Private and commercial	32,268	53,101	64,523	67,852	70,754	73,984	75,335
Publicly owned	1,399	1,369	1,559	1,639	1,704	1,956	1,972

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. 1034. Motor Vehicle Tires and Batteries: 1980 to 1995

[In millions]

Item	1980	1985	1990	1991	1992	1993	1994	1995
Tires, passenger car, total ¹	145.9	200.9	213.6	214.5	228.6	235.0	249.6	247.1
Radials	83.5	164.7	202.1	205.7	221.4	227.4	242.5	240.7
Replacement	106.9	141.5	152.3	155.4	165.8	165.1	170.0	166.8
Tires, truck and bus, total ¹	31.1	41.1	46.9	42.4	45.0	48.4	54.1	54.8
Radials	3.8	19.7	32.5	32.4	36.1	40.3	46.5	47.5
Replacement	24.4	32.1	36.6	32.9	33.7	35.7	36.8	36.7
Batteries, total ²	61.7	74.4	79.7	79.8	(NA)	(NA)	(NA)	(NA)
Replacement automobile batteries	50.1	58.7	65.2	66.6	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Includes original equipment. Also includes exports, not shown separately. ² Source: Battery Council International, Chicago, IL, and U.S. Census Bureau.

Source: Except as noted, The Rubber Manufacturers Association, Inc., Washington, DC, *RMA Monthly Tire Report*.

No. 1035. Automobile Output and Trade in National Income Accounts in Chained (1992) Dollars: 1990 to 1998

[In billions of dollars (125.8 represents \$125,800,000,000). Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales adjusted for changes in inventories and net balance of vehicle exports and imports]

Item	1990	1992	1993	1994	1995	1996	1997	1998
Auto output, total	125.8	121.6	125.3	132.3	127.5	119.8	120.2	114.5
Final sales	129.8	122.1	125.2	131.8	124.9	124.3	119.8	117.7
Personal consumption expenditures	133.3	117.6	121.6	123.7	122.3	121.5	123.7	129.7
Producers' durable equipment	33.0	35.3	38.8	47.8	42.7	44.7	44.2	43.1
Net exports	-38.7	-32.8	-36.6	-41.3	-42.2	-43.6	-49.8	-57.0
Government purchases	2.4	2.0	1.9	2.0	2.2	2.1	1.8	1.9
Change in business inventories	-3.9	-0.4	0.1	0.4	2.5	-4.7	0.4	-3.4
New	-3.6	0.1	1.0	0.9	2.5	-5.1	0.7	-0.4
Used	-0.3	-0.5	-0.8	-0.4	0.1	0.2	-0.2	-2.7

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-94*, forthcoming; and *Survey of Current Business*, August 1998.

No. 1036. 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. 1037. Transportation to Work: 1990

[In thousands (84,215 represents 84,215,000), except as indicated. Based on workers 16 years old or older]

State	Means of transportation to work					Households with vehicles available			
	Car, truck, van		Percent using public transportation	Worked at home	Average travel time to work ¹ (minutes)	None	One vehicle	Two or more vehicles	
	Drove alone	Car pooled							
United States	84,215	15,378	5.3	3,406	22.4	10,602	31,039	50,306	
Alabama	1,374	267	0.8	31	21.2	156	466	885	
Alaska	165	40	2.4	11	16.7	23	64	102	
Arizona	1,178	239	2.1	48	21.6	107	532	730	
Arkansas	765	153	0.5	28	19.0	88	303	501	
California	9,982	2,036	4.9	453	24.6	923	3,452	6,006	
Colorado	1,217	210	2.9	67	20.7	89	412	781	
Connecticut	1,301	187	3.9	45	21.1	124	386	721	
Delaware	258	43	2.4	8	20.0	20	80	147	
District of Columbia	107	37	36.6	9	27.1	93	103	53	
Florida	4,468	819	2.0	132	21.8	474	2,106	2,555	
Georgia	2,379	468	2.8	65	22.7	244	730	1,393	
Hawaii	344	116	7.4	19	23.8	35	129	193	
Idaho	330	53	1.9	21	17.3	17	101	243	
Illinois	3,742	653	10.1	144	25.1	588	1,476	2,138	
Indiana	2,040	332	1.3	73	20.4	175	670	1,221	
Iowa	971	157	1.2	89	16.2	75	332	657	
Kansas	929	136	0.6	49	17.2	60	302	583	
Kentucky	1,195	229	1.6	47	20.7	159	447	773	
Louisiana	1,239	247	3.0	31	22.3	209	542	749	
Maine	424	80	0.9	24	19.0	40	159	266	
Maryland	1,733	376	8.1	65	27.0	216	554	979	
Massachusetts	2,148	318	8.3	75	22.7	321	819	1,107	
Michigan	3,328	429	1.6	100	21.2	344	1,133	1,943	
Minnesota	1,593	247	3.6	116	19.1	142	517	988	
Mississippi	777	184	0.8	19	20.6	111	307	494	
Missouri	1,816	312	2.0	84	21.6	191	652	1,118	
Montana	250	41	0.6	22	14.8	20	91	194	
Nebraska	590	87	1.2	44	15.8	43	182	377	
Nevada	444	94	2.7	12	19.8	36	174	256	
New Hampshire	443	70	0.7	20	21.9	26	132	254	
New Jersey	2,731	472	8.8	80	25.3	360	966	1,468	
New Mexico	472	96	1.0	24	19.1	38	185	320	
New York	4,461	861	24.8	213	28.6	1,994	2,153	2,492	
North Carolina	2,528	530	1.0	71	19.8	242	786	1,489	
North Dakota	210	31	0.6	24	13.0	16	73	152	
Ohio	3,889	521	2.5	119	20.7	416	1,351	2,320	
Oklahoma	1,079	191	0.6	41	19.3	91	414	701	
Oregon	949	165	3.4	56	19.6	88	355	660	
Pennsylvania	3,818	690	6.4	145	21.6	681	1,589	2,226	
Rhode Island	376	58	2.5	10	19.2	40	132	206	
South Carolina	1,235	277	1.1	31	20.5	137	402	720	
South Dakota	233	33	0.3	31	13.8	17	76	166	
Tennessee	1,763	324	1.3	52	21.5	181	593	1,079	
Texas	5,821	1,134	2.2	185	22.2	489	2,190	3,392	
Utah	541	111	2.3	26	18.9	29	153	355	
Vermont	200	36	0.7	17	18.0	17	72	122	
Virginia	2,281	500	4.0	103	24.0	205	717	1,370	
Washington	1,701	282	4.5	86	22.0	141	582	1,149	
West Virginia	493	107	1.1	16	21.0	94	247	347	
Wisconsin	1,751	270	2.5	114	18.3	170	600	1,052	
Wyoming	154	28	1.4	9	15.4	8	48	113	

¹ Excludes persons who worked at home.

Source: U.S. Census Bureau, *Census of Population and Housing, 1990*.

No. 1038. Travel in the United States, by Selected Trip Characteristics: 1995

[656,462 represents 656,462,000. Trips of 100 miles or more, one way. U.S. destinations only. Data based on a sample and subject to sampling variability; see text. For definition of terms, see text, this section]

Trip characteristic	Household trips		Person trips		Person miles		Personal use vehicle trips		Personal use vehicle miles	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
Total	656,462	100.0	1,001,319	100.0	826,894	100.0	505,154	100.0	280,127	100.0
Principal means of transportation:										
Personal use vehicles	505,154	77.0	813,858	81.3	451,590	54.6	505,154	100.0	280,127	100.0
Airplane	129,164	19.7	161,165	16.1	355,286	43.0	(X)	(X)	(X)	(X)
Commercial airplane	124,884	19.0	155,936	15.6	347,934	42.1	(X)	(X)	(X)	(X)
Bus	17,340	2.6	20,445	2.0	13,309	1.6	(X)	(X)	(X)	(X)
Intercity bus	2,755	0.4	3,244	0.3	2,723	0.3	(X)	(X)	(X)	(X)
Charter or tour bus	11,890	1.8	14,247	1.4	9,363	1.1	(X)	(X)	(X)	(X)
Train	4,200	0.6	4,994	0.5	4,356	0.5	(X)	(X)	(X)	(X)
Ship, boat, or ferry	391	0.1	614	0.1	1,834	0.2	(X)	(X)	(X)	(X)
Other	213	-	243	-	429	0.1	(X)	(X)	(X)	(X)
Round trip distance:										
Less than 300 miles	194,098	29.6	306,433	30.6	74,658	9.0	185,418	36.7	45,159	16.1
300 to 499 miles	174,389	26.6	274,405	27.4	106,007	12.8	159,743	31.6	61,779	22.1
500 to 999 miles	140,046	21.3	214,006	21.4	146,631	17.7	106,846	21.2	72,114	25.7
1,000 to 1,999 miles	76,110	11.6	108,331	10.8	153,316	18.5	36,722	7.3	49,953	17.8
2,000 miles or more	71,819	10.9	98,503	9.8	346,192	41.9	16,425	3.3	51,123	18.3
Mean (miles)	872	(X)	827	(X)	(X)	(X)	555	(X)	(X)	(X)
Median (miles)	438	(X)	425	(X)	(X)	(X)	368	(X)	(X)	(X)
Calendar quarter:										
1st quarter	130,963	19.9	200,331	20.0	155,603	18.8	99,549	19.7	50,801	18.1
2d quarter	168,669	25.7	258,400	25.8	208,266	25.2	130,135	25.8	72,421	25.9
3d quarter	193,913	29.5	304,542	30.4	261,463	31.6	152,862	30.3	90,558	32.3
4th quarter	162,917	24.8	238,047	23.8	201,471	24.4	122,607	24.3	66,346	23.7
Main purpose of trip:										
Business	192,537	29.3	224,835	22.5	212,189	25.7	125,036	24.8	61,929	22.1
Pleasure	372,586	56.8	630,110	62.9	506,971	61.3	305,571	60.5	177,698	63.4
Visit friends or relatives	195,468	29.8	330,755	33.0	264,769	32.0	159,981	31.7	92,190	32.9
Leisure ¹	177,119	27.0	299,355	29.9	242,201	29.3	145,590	28.8	85,508	30.5
Rest or relaxation	65,017	9.9	115,154	11.5	100,838	12.2	53,780	10.6	33,598	12.0
Sightseeing	24,272	3.7	42,649	4.3	50,781	6.1	18,069	3.6	14,654	5.2
Outdoor recreation	39,899	6.1	65,418	6.5	41,620	5.0	35,987	7.1	19,407	6.9
Entertainment	37,456	5.7	58,757	5.9	42,929	5.2	27,920	5.5	14,531	5.2
Personal business	91,319	13.9	146,338	14.6	107,621	13.0	74,532	14.8	40,490	14.5
Other	19	-	36	-	23	-	16	-	9	-
Vacation or weekend trips:										
Vacation trip	301,197	45.9	515,383	51.5	484,144	58.6	236,055	46.7	154,167	55.0
Weekend trip	270,231	41.2	441,385	44.1	325,864	39.4	216,743	42.9	118,290	42.2
1 or 2 nights away from home	151,377	23.1	252,581	25.2	132,782	16.1	133,147	26.4	60,906	21.7
3 to 5 nights away from home	118,854	18.1	188,804	18.9	193,083	23.4	83,597	16.5	57,384	20.5
Travel party type and size:										
One adult, no children under 18	386,479	58.9	386,510	38.6	352,350	42.6	275,034	54.4	144,795	51.7
Two or more adults, no children under 18	155,148	23.6	299,485	29.9	248,762	30.1	133,163	26.4	79,273	28.3
One adult, 1 or more children under 18	29,436	4.5	67,959	6.8	48,083	5.8	24,879	4.9	13,827	4.9
Two or more adults, 1 or more children under 18	66,086	10.1	225,875	22.6	158,334	19.2	60,497	12.0	34,758	12.4
No adult, 1 or more children under 18	19,313	2.9	21,489	2.1	19,275	2.3	11,581	2.3	7,472	2.7
Mean travel party size (household members)	1.6	(X)	2.2	(X)	(X)	(X)	1.7	(X)	(X)	(X)
Nights away from home:										
None	164,032	25.0	239,727	23.9	104,444	12.6	140,914	27.9	49,619	17.7
1 to 3 nights	321,227	48.9	502,465	50.2	331,504	40.1	259,354	51.3	131,559	47.0
4 to 7 nights	121,279	18.5	184,766	18.5	243,546	29.5	76,380	15.1	61,317	21.9
8 or more nights	49,924	7.6	74,361	7.4	147,309	17.8	28,506	5.6	37,631	13.4
Mean excluding none (nights)	4.5	(X)	4.3	(X)	(X)	(X)	4.0	(X)	(X)	(X)
Type of lodging at destination:										
One or more nights at destination	486,305	100.0	751,958	100.0	709,097	100.0	359,745	100.0	226,001	100.0
Friend's or relative's home	211,832	43.6	345,506	45.9	290,428	41.0	170,271	47.3	103,180	45.7
Hotel, motel, or resort	201,264	41.4	282,929	37.6	318,323	44.9	126,160	35.1	82,447	36.5
Rented cabin, condo, or vacation home	17,607	3.6	30,648	4.1	31,161	4.4	14,631	4.1	10,809	4.8
Owned cabin, condo, or vacation home	20,205	4.2	38,572	5.1	26,269	3.7	18,103	5.0	9,819	4.3
Camper, trailer, recreational vehicle, tent	11,944	2.5	22,208	3.0	15,836	2.2	11,663	3.2	8,204	3.6
Other type of lodging	23,452	4.8	32,095	4.3	27,080	3.8	18,917	5.3	11,542	5.1
Nights at destination:										
Mean nights at destination	4.2	(X)	4.0	(X)	(X)	(X)	3.8	(X)	(X)	(X)
Friend's or relative's home	4.3	(X)	4.0	(X)	(X)	(X)	3.6	(X)	(X)	(X)
Hotel, motel, or resort	3.0	(X)	3.0	(X)	(X)	(X)	2.8	(X)	(X)	(X)

- Represents zero or a value too small to report. X Not applicable. ¹Includes other leisure activities not shown separately.

Source: U.S. Bureau of Transportation Statistics, *American Travel Survey*.

No. 1039. National Personal Transportation Survey (NPTS)— Summary of Travel Trends: 1969 to 1990

[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					Percent change, 1969-90	Annual percent change, 1969-90
		1969	1977	1983	1990		
Households, total	1,000	62,504	75,412	85,371	93,347	49.0	1.9
1 person	1,000	10,980	16,214	19,354	22,999	109.0	3.6
2 persons	1,000	18,448	22,925	27,169	30,114	63.0	2.4
3 persons	1,000	10,746	13,046	14,756	16,128	50.0	2.0
4 persons or more	1,000	22,330	23,227	24,092	24,106	8.0	0.4
Persons, total	1,000	197,213	213,141	229,453	1,239,416	21.0	0.9
Under 16 yrs. old	1,000	60,100	54,958	53,682	54,303	-10.0	-0.5
16-19 yrs. old	1,000	14,598	16,552	15,268	13,851	-5.0	-0.2
20-34 yrs. old	1,000	40,060	52,252	60,788	59,517	49.0	1.9
35-64 yrs. old	1,000	62,982	66,988	75,353	82,480	31.0	1.3
65 yrs. old and over	1,000	19,473	22,391	24,362	26,955	38.0	1.6
5 yrs. old and over	1,000	(NA)	198,434	212,932	222,101	12.0	0.9
Males	1,000	94,465	102,521	111,514	114,441	21.0	0.8
16 yrs. old and over	1,000	66,652	74,542	83,645	86,432	30.0	1.1
Females	1,000	102,748	110,620	117,939	124,975	22.0	0.8
16 yrs. old and over	1,000	73,526	83,721	92,080	96,371	31.0	1.1
Licensed drivers	1,000	102,986	127,552	147,015	163,025	58.0	2.2
Male	1,000	57,981	66,199	75,639	80,289	38.0	1.6
Female	1,000	45,005	61,353	71,376	82,707	84.0	2.9
Workers	1,000	75,758	93,019	103,244	118,343	56.0	2.1
Male	1,000	48,487	55,625	58,449	63,996	32.0	1.3
Female	1,000	27,271	37,394	44,395	54,334	99.0	3.3
Households with—							
No vehicle	1,000	12,876	11,538	11,548	8,573	-33.0	-1.9
One vehicle	1,000	30,252	26,092	28,780	30,654	1.0	0.1
Two vehicles	1,000	16,501	25,942	28,632	35,872	117.0	3.8
Three or more Vehicles	1,000	2,875	11,840	16,411	18,248	535.0	9.2
All vehicles available	1,000	72,500	120,098	143,714	165,221	128.0	4.0
Vehicle trips	Millions	87,284	108,826	126,874	158,927	82.0	2.9
Vehicle miles of travel (VMT)	Millions	775,940	907,603	1,002,139	1,409,600	82.0	2.9
Person trips	Millions	145,146	211,778	224,385	249,562	72.0	2.6
Person miles of travel	Millions	1,404,137	1,879,215	1,946,662	2,315,300	65.0	2.4
RATIOS							
Persons per household	Number	² 3.16	2.83	2.69	2.56	(NA)	(NA)
Vehicles per household	Number	² 1.16	1.59	1.68	1.77	(NA)	(NA)
Licensed drivers per household	Number	² 1.65	1.69	1.72	1.75	(NA)	(NA)
Vehicles per licensed driver	Number	² 0.70	0.94	0.98	1.01	(NA)	(NA)
Workers per household	Number	² 1.21	1.23	1.21	1.27	(NA)	(NA)
Vehicles per worker	Number	² 0.96	1.29	1.39	1.40	(NA)	(NA)
Daily vehicle trips per household	Number	² 3.83	3.95	4.07	4.66	(NA)	(NA)
Daily VMT per household	Number	² 34.01	32.97	32.16	41.37	(NA)	(NA)
Average vehicle trip length (miles)	Number	² 8.89	8.34	7.90	8.87	(NA)	(NA)
Average annual VMT	Miles	12,423	12,036	11,739	15,100	22.0	(NA)
Home to work	Miles	4,183	3,815	3,538	4,853	16.0	(NA)
Shopping	Miles	929	1,336	1,567	1,743	88.0	(NA)
Other family or personal business	Miles	1,270	1,444	1,816	3,014	137.0	(NA)
Social and recreational	Miles	4,094	3,286	3,534	4,060	-1.0	(NA)
Average annual vehicle trips	Number	1,396	1,442	1,486	1,702	22.0	(NA)
Home to work	Number	445	423	414	448	0.7	(NA)
Shopping	Number	213	268	297	345	62.0	(NA)
Other family or personal business	Number	195	215	272	411	111.0	(NA)
Social and recreational	Number	312	320	335	349	12.0	(NA)
Average vehicle trip length	Miles	8.9	8.4	7.9	9.0	1.0	(NA)
Home to work	Miles	9.4	9.1	8.5	11.0	17.0	(NA)
Shopping	Miles	4.4	5.0	5.3	5.1	16.0	(NA)
Other family or personal business	Miles	6.5	6.8	6.7	7.4	14.0	(NA)
Social and recreational	Miles	13.1	10.3	10.5	11.8	-10.0	(NA)
Average vehicle occupancy ³	Persons	(NA)	1.9	1.7	1.6	4-1.3	(NA)
Home to work	Persons	(NA)	1.3	1.3	1.1	4-1.3	(NA)
Shopping	Persons	(NA)	2.1	1.8	1.7	4-1.6	(NA)
Other family or personal business	Persons	(NA)	2.0	1.8	1.8	4-0.8	(NA)
Social and recreational	Persons	(NA)	2.4	2.1	2.1	4-1.0	(NA)
Journey-to-work trip mode	Percent	100.0	100.0	100.0	100.0	(NS)	(NS)
Auto	Percent	82.7	80.5	77.6	91.4	(NS)	(NS)
Truck ⁵	Percent	8.1	12.5	14.8	(NA)	(NS)	(NS)
Public transit	Percent	8.4	4.7	5.8	5.5	(NS)	(NS)
Other	Percent	0.8	2.3	1.8	3.1	(NS)	(NS)

NA Not available. NS Percent change irrelevant. ¹ Includes "don't know" and "refusals." ² Excludes pickups and other light-trucks as household vehicles. ³ Includes other purposes not shown separately. ⁴ Change from 1977. ⁵ Household based trucks, primarily pickups.

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

No. 1040. Roadway Congestion: 1996

[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 area	Freeway daily vehicle miles of travel		Annual person hours of delay		Annual congestion cost		
	Total (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	14,350	12,730	66,280	30	630	485	1,055
Albany-Schenectady-Troy NY	4,850	9,150	7,340	15	295	230	115
Albuquerque NM	3,600	12,415	19,055	34	700	535	300
Allentown-Bethlehem-Easton PA-NJ	2,820	9,725	13,450	29	570	450	210
Atlanta GA	35,010	16,060	132,960	54	1,095	855	2,110
Austin TX	7,270	13,220	29,120	47	970	750	465
Bakersfield CA	1,600	8,000	4,260	12	270	190	70
Baltimore MD	20,300	14,000	74,570	35	715	560	1,205
Beaumont TX	1,200	10,435	1,465	10	180	145	20
Boston MA	22,170	14,305	136,415	45	900	720	2,170
Boulder CO	440	8,800	955	9	125	95	10
Brownsville TX	280	9,335	995	7	165	110	15
Buffalo-Niagara Falls NY	5,750	9,350	14,845	14	285	225	240
Charlotte NC	4,980	12,295	16,375	29	590	455	260
Chicago IL-Northwestern IN	45,200	17,155	250,840	32	670	510	4,005
Cincinnati OH-KY	13,865	13,935	35,235	28	590	450	570
Cleveland OH	16,020	13,080	35,500	19	390	305	570
Colorado Springs CO	2,265	8,710	8,775	22	450	340	135
Columbus OH	10,980	12,765	24,995	25	505	395	400
Corpus Christi TX	2,550	9,625	4,470	14	285	210	65
Dallas TX	27,030	14,495	109,905	48	1,015	770	1,765
Denver CO	14,900	14,325	69,785	39	825	630	1,115
Detroit MI	29,690	15,960	200,000	53	1,095	840	3,165
El Paso TX-NM	3,970	10,445	7,815	13	290	205	125
Eugene-Springfield OR	1,165	10,590	2,340	11	220	165	35
Fort Worth TX	14,875	12,825	50,375	40	840	630	805
Fresno CA	2,000	8,335	8,320	16	350	245	130
Ft. Lauderdale-Hollywood-Pompano FL	10,250	13,310	45,560	31	625	490	730
Harrisburg PA	4,045	10,505	13,055	41	840	665	210
Hartford-Middletown CT	7,300	11,495	19,045	30	640	505	320
Honolulu HI	5,685	13,375	17,225	24	520	405	285
Houston TX	35,150	14,555	150,240	49	1,055	785	2,405
Indianapolis IN	10,800	12,345	25,160	25	505	400	400
Jacksonville FL	8,000	12,905	31,625	39	830	615	505
Kansas City MO-KS	16,930	10,105	39,175	29	610	470	630
Laredo TX	415	7,545	1,525	10	200	135	20
Las Vegas NV	5,570	15,260	26,385	25	510	390	420
Los Angeles CA	117,700	21,205	684,410	56	1,205	885	10,805
Louisville KY-IN	9,200	13,235	29,860	36	720	570	475
Memphis TN-AR-MS	5,725	14,315	23,380	24	505	380	365
Miami-Hialeah FL	11,500	16,665	92,585	45	905	710	1,460
Milwaukee WI	8,300	13,280	29,140	23	495	380	475
Minneapolis-St. Paul MN	22,900	14,495	62,720	28	575	455	1,020
Nashville TN	8,880	12,420	28,375	45	920	720	450
New Orleans LA	5,450	12,825	27,320	25	500	385	430
New York NY-Northeastern NJ	93,500	14,475	611,420	36	705	570	9,810
Norfolk VA	6,700	10,985	31,925	32	645	500	505
Oklahoma City OK	8,500	11,335	21,110	22	460	350	345
Omaha NE-IA	2,870	9,895	15,995	29	595	450	250
Orlando FL	7,640	10,685	33,730	32	660	505	535
Philadelphia PA-NJ	21,385	12,255	116,580	22	445	345	1,825
Phoenix AZ	13,200	15,085	67,640	29	590	455	1,070
Pittsburgh PA	10,310	8,700	48,440	25	485	390	755
Portland-Vancouver OR-WA	9,610	14,670	47,555	37	765	600	765
Providence-Pawtucket RI-MA	7,330	11,825	27,425	30	615	485	435
Rochester NY	5,300	10,930	11,590	19	405	305	190
Sacramento CA	10,750	13,030	42,150	34	730	545	670
Salem OR	1,025	10,790	3,090	17	395	305	55
Salt Lake City UT	6,950	12,635	16,830	19	430	300	270
San Antonio TX	13,275	12,705	34,470	28	605	450	550
San Bernardino-Riverside CA	16,280	16,530	61,950	46	1,030	735	990
San Diego CA	28,980	16,235	73,640	29	620	470	1,200
San Francisco-Oakland CA	43,300	17,390	202,985	52	1,055	835	3,250
San Jose CA	17,320	13,910	83,145	52	1,070	825	1,315
Seattle-Everett WA	22,100	16,870	110,090	56	1,155	915	1,780
Spokane WA	1,295	10,360	5,300	16	340	260	85
St. Louis MO-IL	23,700	13,165	81,245	40	825	635	1,280
Tacoma WA	4,805	16,015	14,670	25	535	405	240
Tampa FL	5,010	12,845	25,220	31	610	480	395
Tucson AZ	1,650	10,315	13,530	21	420	330	210
Washington DC-MD-VA	33,370	18,185	231,080	67	1,290	1,055	3,655

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

No. 1041. Motor Vehicle Accidents—Number and Deaths: 1972 to 1997

[17.0 represents 17,000,000]

Item	Unit	1972 ¹	1980	1985	1990	1993	1994	1995	1996	1997
Motor vehicle accidents ²	Million	17.0	17.9	19.3	11.5	11.9	11.2	10.7	11.2	13.8
Cars	Million	24.5	22.8	25.6	14.3	14.1	13.5	12.3	13.3	16.0
Trucks	Million	3.5	5.5	6.1	4.4	5.9	5.2	4.5	4.8	7.7
Motorcycles	1,000	343	560	480	180	187	178	152	135	138
Motor vehicle deaths within 1 yr. ³	1,000	56.3	53.2	45.9	46.8	41.9	42.5	43.4	43.3	43.2
Noncollision accidents	1,000	15.8	14.7	12.6	4.9	4.2	4.4	4.4	4.5	4.2
Collision accidents:										
With other motor vehicles	1,000	23.9	23.0	19.9	19.9	18.3	18.9	19.0	19.5	21.3
With pedestrians	1,000	10.3	9.7	8.5	7.3	6.4	6.3	6.4	5.8	5.7
With fixed objects	1,000	3.9	3.7	3.2	13.1	11.5	11.5	12.1	12.3	10.8
Deaths within 30 days ⁴	1,000	54.6	51.1	43.8	44.6	40.2	40.7	41.8	41.9	41.9
Vehicle occupants	1,000	41.4	36.8	31.5	33.9	31.1	32.0	33.1	33.4	33.6
Pedestrians	1,000	10.2	8.1	6.8	6.5	5.6	5.5	5.6	5.4	5.3
Motorcyclists ⁵	1,000	3.0	5.1	4.6	3.2	2.4	2.3	2.2	2.2	2.1
Bicyclists	1,000	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8
Traffic death rates: ^{4,6}										
Per 100,000 resident population	Rate	26.2	22.5	18.4	17.9	15.6	15.6	15.9	15.8	15.7
Per 100,000 registered vehicles	Rate	44.5	34.8	26.5	24.3	21.3	21.2	21.2	20.8	20.6
Per 100 million vehicle miles	Rate	4.3	3.3	2.5	2.1	1.7	1.7	1.7	1.7	1.6
Per 100,000 licensed drivers	Rate	46.1	35.2	27.9	26.7	23.2	23.2	23.6	23.3	23.0
Motor vehicle accidents ⁷	Million	24.9	24.1	32.5	33.4	32.8	33.9	34.5	35.0	35.0
Injuries ^{7,8}	1,000	5,190	5,230	5,044	5,560	5,675	5,885	6,025	6,115	6,080
Economic loss	Bil. dol.	28.7	57.1	76.0	95.9	104.1	110.5	115.6	120.8	123.7

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: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of states. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. ⁷ Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage. ⁸ Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage.

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

No. 1042. Motor Vehicle Deaths, by State: 1990 to 1997

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

State					Mileage rate ²		State					Mileage rate ²	
	1990	1995	1996	1997	1990	1997		1990	1995	1996	1997	1990	1997
U.S.¹	46,814	43,363	43,300	43,200	2.2	1.7	MO	1,174	1,110	1,148	1,192	2.3	2.0
AL	1,234	1,111	1,142	1,181	2.9	2.3	MT	225	215	198	265	2.7	2.8
AK	102	86	80	77	2.6	1.8	NE	289	254	293	302	2.1	1.9
AZ	947	1,040	993	961	2.7	2.4	NV	405	312	348	347	4.0	2.4
AR	625	631	615	660	3.0	2.4	NH	154	118	134	125	1.6	1.2
CA	5,411	4,165	3,972	3,377	2.1	1.2	NJ	908	776	818	(NA)	1.5	(NA)
CO	583	645	434	516	2.1	1.4	NM	534	485	481	484	3.3	2.2
CT	395	318	310	337	1.5	1.2	NY	2,318	1,668	1,562	1,625	2.2	1.4
DE	151	123	120	147	2.3	1.9	NC	1,489	1,438	1,492	1,484	2.4	1.9
DC	91	(NA)	(NA)	(NA)	2.7	(NA)	ND	128	74	85	105	2.2	1.6
FL	3,049	2,812	2,813	2,847	2.8	2.2	OH	1,708	1,357	1,393	1,439	2.0	1.4
GA	1,659	1,494	1,578	1,584	2.3	1.8	OK	684	674	775	842	2.1	2.1
HI	186	127	145	131	2.3	1.6	OR	608	572	524	521	2.3	1.7
ID	259	263	258	259	2.6	2.1	PA	1,767	1,480	1,470	1,562	2.1	1.6
IL	1,650	1,589	1,475	1,404	2.0	1.5	RI	104	69	69	75	1.5	1.1
IN	1,097	960	981	(NA)	2.0	(NA)	SC	987	882	930	903	2.9	2.3
IA	481	527	465	468	2.1	1.8	SD	166	158	175	148	2.4	1.9
KS	453	438	491	483	2.0	1.9	TN	1,312	1,240	1,211	1,223	2.8	2.1
KY	850	856	844	865	2.5	2.1	TX	3,381	3,172	3,738	3,476	2.1	1.9
LA	1,023	880	809	840	2.7	2.1	UT	296	321	321	367	2.0	1.9
ME	215	189	168	192	1.8	1.5	VT	94	106	88	96	1.6	1.5
MD	741	682	614	609	1.8	1.3	VA	1,091	900	869	981	1.8	1.4
MA	655	448	417	443	1.4	0.9	WA	875	654	690	659	2.0	1.3
MI	1,633	1,537	1,505	1,446	2.0	1.7	WV	502	376	344	372	3.3	2.1
MN	644	597	576	598	1.7	1.3	WI	825	739	759	721	1.9	1.4
MS	863	868	811	861	3.5	2.9	WY	130	170	143	137	2.2	1.9

NA Not available. ¹ Source: National Center for Health Statistics. ² Deaths per 100 million vehicle miles.

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

No. 1043. Fatal Motor Vehicle Accidents—National Summary: 1980 to 1997

[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	1993	1994	1995	1996	1997
Fatal accidents, total	45,284	39,196	39,836	35,780	36,254	37,241	37,351	37,280
One vehicle involved	28,306	22,875	23,445	20,569	20,526	21,256	21,046	20,792
Two or more vehicles involved	16,978	16,321	16,391	15,211	15,728	15,985	16,305	16,488
Persons killed in fatal accidents	51,091	43,825	44,599	40,150	40,716	41,817	41,907	41,967
Occupants ¹	41,927	36,043	37,134	33,574	34,318	35,291	35,579	35,693
Drivers	28,816	25,337	25,750	23,142	23,691	24,390	24,456	24,182
Passengers	12,972	10,619	11,276	10,361	10,518	10,784	11,021	10,773
Nonmotorists ¹	9,164	7,782	7,465	6,576	6,398	6,526	6,328	6,274
Pedestrians	8,070	6,808	6,482	5,649	5,489	5,584	5,412	5,307
Pedalcyclists	965	890	859	816	802	833	761	813
Occupant fatalities by type of vehicle, total	41,927	36,043	37,134	33,574	34,318	35,291	35,579	35,693
Passenger cars ¹	27,449	23,212	24,092	21,566	21,997	22,423	22,416	21,989
Mini-compact	3,141	3,571	3,556	2,635	2,339	2,207	2,011	1,745
Subcompact	4,158	4,422	4,753	4,333	4,721	4,584	4,506	4,397
Compact	927	2,635	5,310	5,707	6,322	6,899	7,161	7,108
Intermediate	3,878	4,391	4,849	4,483	4,407	4,666	4,626	4,736
Full size	4,831	2,974	2,386	2,067	2,074	2,116	2,111	2,222
Largest size	6,746	3,612	2,249	1,608	1,486	1,297	1,246	1,230
Motorcycles	4,961	4,417	3,129	2,336	2,190	2,114	2,045	2,018
Other motorized cycles	183	147	115	113	130	212	115	88
Multipurpose vehicles	895	855	1,214	1,521	1,757	1,935	2,138	2,378
Light trucks	6,591	5,834	7,387	6,990	7,147	7,633	7,763	7,846
Pickup	5,483	4,640	5,979	5,538	5,574	5,938	5,884	5,858
Van	1,000	791	1,154	1,365	1,508	1,639	1,829	1,921
Medium trucks	285	157	134	90	109	96	89	120
Heavy trucks	977	820	571	515	561	552	532	597
Buses	46	57	32	18	18	33	21	17
Persons involved in fatal accident	113,289	104,045	107,777	97,589	98,945	102,102	102,955	102,023
Occupants ¹	103,049	95,482	99,297	90,150	91,644	94,621	95,810	94,896
Drivers	62,957	57,883	58,893	53,401	54,549	56,164	56,793	56,602
Passengers	39,892	37,477	40,229	36,599	36,898	38,252	38,772	38,108
Nonoccupants	10,240	8,563	8,480	7,439	7,301	7,478	7,138	7,127
Vehicle miles traveled (VMT) (100 million)	15,273	17,742	21,444	22,967	23,576	24,227	24,822	25,604
Licensed drivers (1,000)	145,295	156,868	167,015	173,149	175,403	176,628	179,539	182,709
Registered vehicles (1,000)	161,490	177,098	192,915	198,041	201,802	197,065	201,626	203,568
Fatalities by road type ¹	(NA)	(NA)	44,599	40,150	40,716	41,817	41,907	41,967
Interstate	4,427	4,148	4,993	4,566	4,713	4,835	5,231	5,304
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	56.5	59.3	58.7	59.2	61.5
0.01 to 0.09 percent	(NA)	10.3	9.7	8.5	8.5	8.6	8.7	8.2
0.10 percent and over	(NA)	41.2	39.7	35.0	32.2	32.6	32.2	30.4
Fatality rate by age group:								
Under 5 years old	6.9	5.2	4.9	4.5	4.8	4.3	4.6	4.1
5 years to 15 years old	8.7	7.4	6.4	5.8	6.0	5.9	5.7	5.6
16 years to 24 years old	46.0	37.1	35.2	30.2	30.8	31.1	30.5	29.2
25 years to 44 years old	24.6	19.6	19.7	16.9	16.3	17.2	16.9	16.5
45 years to 64 years old	17.2	14.5	14.9	13.0	13.3	13.4	13.7	14.1
65 years to 79 years old	19.6	18.0	18.8	17.9	18.7	18.5	18.6	19.0
80 years old and over	25.3	25.1	26.8	28.0	28.2	27.8	27.9	29.1
Fatalities per 100 million VMT	3.3	2.5	2.1	1.7	1.7	1.7	1.7	1.6
Fatalities per 100,000 licensed drivers	35.2	27.9	26.7	23.2	23.2	23.7	23.3	23.0
Licensed driver per person	0.6	0.7	0.7	0.7	0.7	0.7	0.7	(NA)
VMT per registered vehicle	9,458	10,018	11,107	12,189	11,683	11,793	11,807	12,101
Fatalities per 100,000 registered vehicles	31.6	24.8	23.1	21.3	20.2	21.2	20.8	20.6
Fatal crashes per 100 million VMT	2.9	2.2	1.9	1.6	1.5	1.5	1.5	1.5
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	2.5	2.5	2.5	2.6	2.5
Fatalities per 100,000 population	22.5	18.4	17.9	15.6	15.6	15.8	15.8	15.7

NA Not available. ¹ Includes items not shown separately.

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

No. 1044. Motor Vehicle Occupants and Nonoccupants Killed and Injured: 1985 to 1997

[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	Pas-senger cars	Light trucks	Large trucks	Motor-cycles	Buses	Other/unknown	Total	Pedestrian	Pedal-cyclist	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	6,256	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	41,967	35,693	21,989	10,224	717	2,106	17	640	6,274	5,307	813	154
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	3,399	3,253	2,378	768	31	54	17	5	146	77	58	11

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

No. 1045. Total Fatalities in Crashes Involving a Large Truck, by State: 1997

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

State	Occupant fatalities				State	Occupant fatalities			
	Total	med/heavy trucks	other vehicles	Non-occupant fatalities		Total	med/heavy trucks	other vehicles	Non-occupant fatalities
United States .	5,355	717	4,189	449	Missouri	158	13	138	7
Alabama	171	28	135	8	Montana	27	8	18	1
Alaska	7	2	3	2	Nebraska	53	5	45	3
Arizona	73	7	57	9	Nevada	31	3	23	5
Arkansas	135	23	105	7	New Hampshire	12	2	8	2
California	409	69	273	67	New Jersey	89	4	77	8
Colorado	80	14	59	7	New Mexico	53	9	35	9
Connecticut	25	5	17	3	New York	159	15	108	36
Delaware	16	3	12	1	North Carolina	231	14	205	12
Dist. of Columbia	4	-	2	2	North Dakota	12	3	9	-
Florida	308	34	244	30	Ohio	220	24	179	17
Georgia	254	27	214	13	Oklahoma	104	19	75	10
Hawaii	3	1	1	1	Oregon	79	13	60	6
Idaho	34	6	27	1	Pennsylvania	172	24	129	19
Illinois	166	21	120	25	Rhode Island	2	1	1	-
Indiana	157	21	131	5	South Carolina	90	11	73	6
Iowa	89	12	74	3	South Dakota	20	5	15	-
Kansas	95	12	78	5	Tennessee	144	29	105	10
Kentucky	115	28	84	3	Texas	454	67	357	30
Louisiana	130	19	102	9	Utah	56	11	42	3
Maine	23	5	16	2	Vermont	18	5	13	-
Maryland	84	14	62	8	Virginia	127	20	94	13
Massachusetts	39	4	28	7	Washington	89	13	73	3
Michigan	150	6	132	12	West Virginia	60	4	56	-
Minnesota	102	8	86	8	Wisconsin	95	10	80	5
Mississippi	106	10	92	4	Wyoming	25	6	17	2

- Represents zero.

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

No. 1046. Speeding-Related Traffic Fatalities and Costs, by Road Type and Speed Limit: 1997

[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	41,967	1,304	413	4,040	505	1,532	787	1,367	1,415
Alabama	1,189	48	1	118	9	133	24	40	25
Alaska	77	1	5	5	5	3	4	1	3
Arizona	951	42	13	80	24	51	47	26	38
Arkansas	660	15	2	114	1	19	4	16	18
California	3,688	211	32	328	47	127	83	167	127
Colorado	613	29	26	58	8	23	25	29	38
Connecticut	338	-	25	4	3	18	16	16	58
Delaware	143	-	3	5	25	1	4	4	6
District of Columbia	60	-	-	-	-	1	-	-	31
Florida	2,782	73	24	97	28	113	55	85	91
Georgia	1,577	27	12	158	4	58	20	48	24
Hawaii	131	-	8	4	4	8	1	9	8
Idaho	259	17	-	18	11	4	6	11	12
Illinois	1,395	41	33	206	1	28	12	56	75
Indiana	935	18	9	69	18	28	31	28	31
Iowa	468	4	1	29	2	4	-	6	15
Kansas	481	18	-	36	3	4	4	10	14
Kentucky	857	14	7	170	-	10	-	31	11
Louisiana	913	7	7	79	2	27	3	18	7
Maine	192	6	-	3	10	24	6	11	5
Maryland	608	14	7	13	21	9	27	15	21
Massachusetts	442	12	4	7	10	16	29	17	61
Michigan	1,446	25	16	166	8	35	19	33	38
Minnesota	600	3	8	83	4	7	1	2	15
Mississippi	861	35	2	74	28	34	5	18	35
Missouri	1,192	59	17	184	1	23	23	35	35
Montana	265	6	1	42	1	4	-	10	4
Nebraska	302	7	-	8	24	4	2	4	6
Nevada	347	20	4	13	4	21	1	23	16
New Hampshire	125	3	1	3	3	1	3	13	10
New Jersey	774	-	3	4	11	9	14	10	22
New Mexico	484	32	2	27	4	17	5	17	21
New York	1,643	4	13	157	12	36	37	15	111
North Carolina	1,483	15	12	303	5	104	-	66	5
North Dakota	105	5	-	40	-	-	2	1	6
Ohio	1,441	30	4	186	2	20	14	35	31
Oklahoma	838	53	3	85	8	64	17	22	10
Oregon	523	7	5	94	5	12	4	11	13
Pennsylvania	1,557	27	16	136	11	82	64	63	43
Rhode Island	75	1	2	3	1	1	3	7	13
South Carolina	903	32	12	159	12	95	17	64	24
South Dakota	148	9	-	26	-	4	4	1	3
Tennessee	1,223	18	9	80	16	58	38	50	51
Texas	3,510	172	44	208	39	100	62	104	114
Utah	366	35	-	14	7	7	11	5	5
Vermont	96	7	-	-	14	3	3	7	1
Virginia	984	32	14	132	-	40	8	33	18
Washington	676	31	1	25	42	15	11	52	35
West Virginia	379	10	2	44	5	11	11	9	5
Wisconsin	725	7	3	134	2	14	6	12	23
Wyoming	137	22	-	9	-	2	1	1	3

- Represents or rounds to zero.

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

No. 1047. Highway Mileage, Vehicle Miles of Travel, Accidents, and Fatalities, 1980 to 1997, and by Type of Highway System, 1997

[3,857 represents 3,857,000]

Year and type of system	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	Fatal accidents		Nonfatal injury accidents		Fatalities ²	
				Number	Rate ¹	Number (1,000)	Rate ¹	Number	Rate ¹
1980	3,857	1,527	1,082	45,284	2.96	2,008	131	51,091	3.35
1985	3,862	1,774	1,259	39,168	2.21	2,219	125	43,825	2.47
1986	3,880	1,835	1,298	41,062	2.23	2,254	123	46,087	2.51
1987	3,874	1,921	1,361	41,434	2.15	2,294	119	46,390	2.41
1988	3,871	2,026	1,430	42,119	2.08	2,302	114	47,087	2.32
1989	3,877	2,096	1,489	40,718	1.93	2,384	113	45,582	2.16
1990	3,880	2,148	1,516	39,779	1.85	2,501	116	44,529	2.07
1991	3,889	2,172	1,530	36,895	1.70	2,210	102	41,462	(NA)
1992	3,902	2,240	1,568	34,928	1.56	2,216	99	39,235	1.75
1993	3,905	2,297	1,611	35,750	1.56	(NA)	(NA)	40,115	1.75
1994	3,907	2,360	1,655	36,223	1.53	(NA)	(NA)	40,676	1.72
1995	3,912	2,423	(NA)	37,221	1.54	2,335	96	41,798	1.73
1996	3,919	2,482	(NA)	37,351	1.50	2,411	97	41,907	1.69
1997	3,945	2,560	(NA)	37,280	1.46	2,400	94	41,967	1.64

NA Not available. ¹ Rate per 100 million vehicle miles of travel. ² 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. 1048. Alcohol Involvement for Drivers in Fatal Crashes: 1985 and 1995

[BAC = blood alcohol concentration]

Drivers involved in fatal crashes	1985		1995		Change in percentage, 1985-95
	Numbers of drivers	Percentage with BAC of .10% or greater	Numbers of drivers	Percentage with BAC of .10% or greater	
Total drivers ¹	57,883	25.7	56,155	19.3	-25.0
Drivers by age group:					
16 to 20 years old	9,386	23.9	7,738	12.7	-47.0
21 to 24 years old	9,046	35.3	6,268	27.8	-21.0
25 to 34 years old	15,257	32.4	13,029	26.8	-17.0
35 to 44 years old	8,892	24.3	10,664	22.8	-6.0
45 to 64 years old	9,262	16.7	10,884	14.3	-14.0
65 years old and over	4,479	7.6	6,238	5.0	-34.0
Drivers by sex:					
Male	44,846	28.2	41,216	21.8	-23.0
Female	12,142	15.5	14,179	11.2	-28.0
Drivers by vehicle type:					
Passenger cars	34,071	26.1	30,692	19.2	-27.0
Light trucks	12,372	28.7	17,420	22.4	-22.0
Large trucks	5,091	3.6	4,391	1.3	-62.0
Motorcycles	4,598	39.3	2,257	29.1	-26.0

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

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

No. 1049. Age of Driver and Number in Accidents: 1996

Age group	Drivers in accidents							
	Number		Fatal		All		Per number of drivers	
			Number	Percent	Number	Percent	Fatal ¹	All ²
Total	177,820,000	100.0	57,400	100.0	18,900,000	100.0	32	11
Under 16 years old	61,000	(Z)	500	0.9	90,000	0.5	(³)	(³)
16 years old	1,578,000	0.9	1,200	2.1	580,000	3.1	76	37
17 years old	2,195,000	1.2	1,600	2.8	670,000	3.5	73	31
18 years old	2,432,000	1.4	1,900	3.3	710,000	3.8	78	29
19 years old	2,653,000	1.5	1,800	3.1	670,000	3.5	68	25
19 years old and under	8,919,000	5.0	7,000	12.2	2,720,000	14.4	78	30
20 years old	2,828,000	1.6	1,800	3.1	600,000	3.2	64	21
21 years old	2,864,000	1.6	1,900	3.3	590,000	3.1	66	21
22 years old	2,880,000	1.6	1,800	3.1	560,000	3.0	63	19
23 years old	3,065,000	1.7	1,600	2.8	540,000	2.9	52	18
24 years old	3,625,000	2.0	1,600	2.8	540,000	2.9	44	15
20 to 24 years old	15,262,000	8.6	8,700	15.2	2,830,000	15.0	57	19
25 to 34 years old	37,781,000	21.2	13,000	22.6	4,600,000	24.3	34	12
35 to 44 years old	40,415,000	22.7	11,700	20.4	3,840,000	20.3	29	10
45 to 54 years old	30,928,000	17.4	7,100	12.4	2,360,000	12.5	23	8
55 to 64 years old	19,345,000	10.9	4,100	7.1	1,210,000	6.4	21	6
65 to 74 years old	15,648,000	8.8	3,000	5.2	810,000	4.3	19	5
75 years old and over	9,522,000	5.4	2,800	4.9	530,000	2.8	29	6

Z Less than .05. ¹Per 100,000 licensed drivers. ²Per 100 licensed drivers. ³Rates 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. 1050. State Legislation—Alcohol and Road Safety Laws: Various Years

State	Alcohol legislation				Mandatory belt-use law				Speed limit changes, rural, 1995/96 ⁶	
	Administrative license revocation since ¹	BAC limit ²	Zero tolerance limit for minors ³	Alcohol ignition interlock device ⁴	Enforcement	Seating positions	Motor-cycle helmet law ⁵	Work zone speed law	Before	Currently
Alabama	1996	.08	.02	No	Secondary	Front	Yes	Yes	65	70
Alaska	5/83	.10	.00	Yes	Secondary	All	⁷ 18	⁸ No	(NA)	(NA)
Arizona	1992	.10	.00	No	Secondary	Front	18	No	55	75
Arkansas	3/95	.10	.02	Yes	Secondary	Front	21	⁸ No	65	70
California	1989	.08	.01	⁹ Yes	Standard	All	Yes	Yes	55	65
Colorado	1983	.10	.02	⁹ Yes	Secondary	Front	No	Yes	65	75
Connecticut	1/90	.10	.02	No	Standard	¹⁰ Front	18	⁸ No	55	55
Delaware	Yes	.10	.02	⁹ Yes	Secondary	Front	^{11 12 13} 19	Yes	(NA)	(NA)
District of Columbia	Yes	.10	.00	No	Standard	All	Yes	Yes	(NA)	(NA)
Florida	1990	.08	.02	Yes	Secondary	Front	Yes	Yes	65	70
Georgia	1995	.10	.02	⁹ Yes	Standard	¹⁰ Front	Yes	Yes	55	70
Hawaii	6/90	.08	.02	No	Standard	Front	¹³ 18	No	(NA)	(NA)
Idaho	7/94	.08	.02	Yes	Secondary	Front	18	Yes	65	75
Illinois	1/86	.08	.00	Yes	Secondary	Front	No	Yes	65	65
Indiana	Yes	.10	.02	Yes	Standard	Front	^{11 18}	Yes	65	65
Iowa	1963	.10	.02	Yes	Standard	Front	No	Yes	55	65
Kansas	1988	.08	.02	Yes	Secondary	Front	18	Yes	65	70
Kentucky	No	.10	.02	No	Secondary	All	Yes	⁸ No	65	65
Louisiana	1/84	.10	.02	Yes	Standard	¹⁰ Front	Yes	⁸ No	65	70
Maine	1984	.08	.00	⁹ Yes	¹⁴ Secondary	All	^{11 15} 15	Yes	65	65
Maryland	5/89	¹⁶ .10	.01	Yes	Standard	^{10 17} Front	¹³ Yes	⁸ No	55	65
Massachusetts	No	.08	.02	No	Secondary	All	Yes	No	55	65
Michigan	No	.10	.02	Yes	Secondary	¹⁰ Front	Yes	Yes	55	55
Minnesota	1976	.10	.01	No	Secondary	¹⁰ Front	^{11 18}	Yes	65	70
Mississippi	1983	.10	.08	No	Secondary	Front	Yes	Yes	65	70
Missouri	1987	.10	.02	⁹ Yes	Standard	¹⁰ Front	Yes	Yes	70	60
Montana	No	.10	.02	Yes	Secondary	All	18	Yes	65	()
Nebraska	1/93	.10	.02	Yes	Secondary	Front	Yes	⁸ No	65	75
Nevada	1983	.10	.02	⁹ Yes	Secondary	All	Yes	Yes	55	75
New Hampshire	1/94	.08	.02	No	No	(NA)	18	Yes	65	65
New Jersey	No	.10	.01	No	Secondary	Front	¹³ Yes	⁸ No	(NA)	(NA)
New Mexico	1984	.08	.02	No	Standard	¹⁰ Front	^{13 18}	No	65	75
New York	^{19 11} 1/94	^{16 10} .10	.02	⁹ Yes	Standard	¹⁰ Front	Yes	Yes	55	65
North Carolina	1983	.08	.00	Yes	Standard	Front	Yes	Yes	65	70
North Dakota	1983	.10	.02	No	Secondary	Front	^{13 18}	Yes	65	70
Ohio	9/93	.10	.02	Yes	Secondary	Front	^{15 18}	⁸ No	65	65
Oklahoma	1983	.10	.00	Yes	Standard	Front	18	Yes	65	70
Oregon	1983	.08	.00	Yes	Standard	All	Yes	⁸ No	65	65
Pennsylvania	No	.10	.02	No	Secondary	Front	Yes	Yes	55	65
Rhode Island	No	.10	.02	⁹ Yes	Secondary	All	⁽²⁰⁾	⁸ No	55	65
South Carolina	No	.10	No	No	Secondary	²¹ Front	^{13 21}	Yes	65	65
South Dakota	No	.10	.00	No	Secondary	Front	18	Yes	65	75
Tennessee	No	.10	.02	Yes	Secondary	¹⁰ Front	Yes	Yes	65	70
Texas	1995	.10	.00	⁹ Yes	Standard	Front	Yes	⁸ No	65	²² 70
Utah	1983	.08	.00	Yes	Secondary	Front	18	No	55	75
Vermont	¹⁹ 1969	.08	²³ .02	No	Secondary	All	¹³ Yes	No	65	65
Virginia	1/95	.08	.02	Yes	Secondary	Front	Yes	No	65	65
Washington	^{24 6} 9/94	.10	.02	Yes	Secondary	All	Yes	Yes	55	60
West Virginia	1981	.10	.02	Yes	Secondary	¹⁰ Front	Yes	Yes	65	70
Wisconsin	1/88	^{25 10} .10	^{26 00} .00	⁹ Yes	Secondary	²¹ Front	^{11 18}	Yes	65	(NA)
Wyoming	1973	.10	No	No	Secondary	Front	18	Yes	65	75

NA Not available. ¹Year original law became effective, not when grandfather clauses expired. ²Blood alcohol concentration that constitutes the threshold of legal intoxication. ³Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 21 years old unless noted. ⁴Legislation for instruments designed to prevent drivers from starting their cars when breath alcohol content is at or above a set point. ⁵Presence of law or age below which riders are required to wear helmet. ⁶These are the maximum speed limits in each state. However, speed limits may be lower as individually posted. ⁷Passengers. ⁸No work zone speed law per se, but double fine for violation. ⁹Primarily for repeat offenders but may also be applied to first time offenders under certain circumstances. ¹⁰Required for certain ages at all seating positions. ¹¹Plus instruction permit holders. ¹²Helmet possession required by all. ¹³ReflectORIZATION. ¹⁴Secondary for 19 and older, standard for younger than 19. ¹⁵Plus novice license holders. ¹⁶BAC of .07 is prima facie evidence of DUI (MD); BAC of .05-.10 constitutes driving while ability impaired (NY). ¹⁷Excluding front center seat. ¹⁸No speed limit (reasonable and prudent). ¹⁹Revocation by judicial action (NY) or Dept. of Motor Vehicles (VT). ²⁰Operators under 21 for first year; passengers. ²¹Belt use required in rear seat if lap/shoulder belt is available. ²²Daytime. ²³Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 18 years of age. ²⁴Applies only to second DUI offense. ²⁵Different legal limit for repeat offenders. ²⁶Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 19 years of age.

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

No. 1051. 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 campaigns¹	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. 1052. 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. 1053. Domestic Motor Fuel Consumption, by Type of Vehicle: 1970 to 1996

[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 ³ (bil. gal.)	Trucks ⁴ (bil. gal.)	Cars ²	Buses ³	Trucks ⁴	Cars ²	Buses ³	Trucks ⁴
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

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 school buses. ⁴ Includes combinations.

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

No. 1054. Motor Vehicle Travel, by Type of Vehicle and by Speed: 1970 to 1997

[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	13.9	9.4	11.8	(NA)	(NA)	(NA)	(NA)	(NA)
1997	2,560	1,512	6.8	850	14.2	9.8	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. 1055. Passenger Transit Industry—Summary: 1985 to 1997

[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) Includes active vehicles only]

Item	Unit	1985	1990	1994	1995	1996	1997
Operating systems	Number	4,972	5,078	5,973	5,973	5,973	5,973
Motor bus systems	Number	2,631	2,688	2,250	2,250	2,250	2,250
Passenger vehicles, active ¹	Number	94,368	92,961	115,943	115,874	119,556	123,580
Motor bus	Number	64,258	58,714	68,123	67,107	67,874	72,170
Trolley bus	Number	676	832	877	885	871	859
Heavy rail	Number	9,326	10,419	10,138	10,157	10,201	10,242
Light rail	Number	717	913	1,054	999	1,140	1,229
Commuter rail	Number	4,035	4,415	4,517	4,565	4,665	4,943
Demand response	Number	14,490	16,471	28,729	29,352	31,853	30,697
Operating funding, total	Mil. dol	12,195	16,053	17,968	18,241	19,756	18,974
Passenger funding	Mil. dol	4,575	5,891	6,756	6,801	7,417	7,599
Other operating funding ²	Mil. dol	702	895	2,271	2,812	3,068	2,962
Operating assistance	Mil. dol	6,918	9,267	8,941	8,628	9,271	8,413
Federal ³	Mil. dol	940	970	916	817	567	578
Local ³	Mil. dol	5,979	5,327	4,171	3,981	4,312	3,956
State ³	Mil. dol	(A)	2,970	3,854	3,830	4,392	3,879
Total expense	Mil. dol	14,077	17,979	21,653	21,540	22,457	23,248
Operating expense	Mil. dol	12,381	15,742	17,920	17,849	18,503	19,015
Reconciling expense	Mil. dol	1,696	2,237	3,733	3,691	3,954	4,233
Capital expenditure, Federal	Mil. dol	2,510	2,380	3,577	5,481	4,125	4,049
Capital expenditures	Million	(NA)	2,873	2,623	3,422	3,593	4,121
Vehicle-miles operated ¹	Mil. dol	2,791	3,242	3,467	3,550	3,663	3,841
Motor bus	Million	1,863	2,130	2,162	2,184	2,165	2,307
Trolley bus	Million	16	14	14	14	14	14
Heavy rail	Million	451	537	532	537	543	558
Light rail	Million	17	24	34	35	38	41
Commuter rail	Million	183	213	231	238	242	251
Demand response	Million	247	306	464	507	617	623
Passengers carried ¹	Million	8,636	8,799	7,949	7,763	7,975	8,558
Motor bus	Million	5,675	5,677	4,871	4,848	4,912	5,199
Trolley bus	Million	142	126	118	119	117	121
Heavy rail	Million	2,290	2,346	2,169	2,033	2,157	2,430
Light rail	Million	132	175	284	251	261	263
Commuter rail	Million	275	328	339	344	353	357
Demand response	Million	59	68	88	88	95	95
Avg. funding per passenger	Cents	53.0	66.9	85.0	87.6	87.6	88.8
Employees, number (avg.) ⁵	1,000	270	273	304	311	306	340
Payroll, employee	Mil. dol	5,843	7,226	8,224	8,213	8,687	9,060
Fringe benefits, employee	Mil. dol	2,868	3,986	4,452	4,484	4,563	4,677

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

No. 1056. 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	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. 1057. Passenger Transportation Arrangement: 1995 to 1997

[In millions of dollars (12,574 represents \$12,574,000,000). 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. 1058. Motor Freight Transportation and Warehousing Services—Revenues, Expenses, and Payroll 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	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, 1996 Motor Freight Transportation and Warehousing Survey*.

No. 1059. 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.

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

No. 1060. 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
Class I intercity motor carriers of property:						
Operating revenue, total	Mil. dol	1,290	46,710	(NA)	(NA)	(NA)
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
PERFORMANCE						
Vehicle miles, total	Millions	108,491	146,242	178,156	182,971	191,345
Average miles traveled per vehicle:						
All trucks, total	Avg. miles	18,736	23,603	26,514	26,092	27,013
Ton-miles, intercity	Millions	555,000	735,000	921,000	972,000	1,051,000
Average fuel consumption per vehicle	Gallons	3,447	3,953	4,315	4,221	4,217
Highway-user taxes, total	Mil. dol	9,888	19,356	25,116	(NA)	(NA)
SAFETY						
Occupant fatalities	Number	8,748	9,306	10,216	10,522	10,941
Vehicle involvement, total (per 100 million vehicle-miles)	Rate	4.5	2.9	2.4	2.4	2.3

NA Not available.

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

No. 1061. Trucking and Courier Services—Operating Revenue, Operating Expenses, and Equipment, by Type of Carrier: 1995 to 1997

[In millions of dollars, except as indicated (161,806 represents \$161,806,000,000). Data cover SIC group 421. Excludes private motor carriers that operate as auxiliary establishments to nontransportation companies and independent owner-operators with no paid employees]

Item	All carriers			Specialty carriers			General carriers		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
Operating revenues:									
Total ¹	161,806	172,743	183,153	49,139	52,464	55,411	112,667	120,279	127,742
Motor carrier	153,881	163,786	173,884	44,969	47,883	50,706	108,912	115,903	123,178
Local trucking	48,731	52,301	59,354	27,181	29,045	31,624	21,550	23,256	27,730
Long-distance trucking	105,150	111,485	114,530	17,788	18,838	19,082	87,362	92,647	95,448
Operating expenses:									
Total	151,628	162,825	170,998	44,556	47,685	49,560	107,072	115,140	121,438
Annual payroll	46,478	49,432	52,438	11,254	12,008	12,823	35,224	37,424	39,615
Employer contrib. to soc. sec. and other benefits	12,666	13,020	13,795	2,536	2,699	2,713	10,130	10,321	11,082
Purchased fuels	12,051	13,667	13,777	3,151	3,497	3,555	8,900	10,170	10,222
Purchased transportation	28,757	30,979	34,323	7,449	8,036	8,830	21,308	22,943	25,493
Lease and rental	2,794	2,970	3,148	738	767	875	2,056	2,203	2,273
Insurance	5,638	5,868	5,717	1,888	1,892	1,813	3,750	3,972	3,904
Maintenance and repair	8,876	9,281	9,465	2,894	3,107	3,237	5,982	6,174	6,228
Depreciation	8,702	9,186	9,289	2,882	3,028	3,069	5,820	6,158	6,220
Taxes and licenses	3,410	3,517	3,695	893	922	974	2,517	2,595	2,721
Drug and alcohol testing and rehabilitation programs	96	102	101	28	28	29	68	74	72
Other operating expenses	22,160	24,807	25,250	10,843	11,701	11,642	11,317	13,106	13,608
Equipment (1,000 units): ²									
Trucks	311	332	346	121	130	134	190	202	212
Truck-tractors	736	755	784	165	175	178	571	580	606
Trailers (full and semi)	1,507	1,568	1,621	241	256	265	1,266	1,312	1,356

¹ Includes other revenue not shown separately. ² Represents revenue generating equipment as of December 31, 1994. Includes owned and leased equipment.

Source: U.S. Census Bureau, *Current Business Reports, 1997 Transportation Annual Survey (formerly known as Motor Freight Transportation and Warehousing Survey)*.

No. 1062. 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	298	237	192	191	201	208	220
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	30,289	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 reporting ¹	Number	441	397	337	322	295	330	304
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, other ¹	Number	69	64	77	87	83	113	115
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	28	40	36	36	36	32	31
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. 1063. Railroads, Class I—Summary: 1985 to 1997

[As of Dec. 31, or calendar year data, except as noted. Compiled from annual reports of class I railroads only except where noted. Financial data are not comparable with earlier years due to change in method of accounting for track and related structures. Minus sign (-) indicates deficit]

Item	Unit	1985	1990	1991	1992	1993	1994	1995	1996	1997
Class I line-hauling companies ¹	Number	23	14	14	13	13	13	11	10	9
Employees ²	1,000	302	216	206	197	193	190	188	182	178
Compensation	Mil. dol.	10,563	8,654	8,695	8,753	8,732	8,874	9,070	9,202	9,235
Average per hour	Dollars	14.3	15.8	16.8	17.8	17.9	18.5	19.0	20.1	20.3
Average per year	Dollars	34,991	39,987	42,131	44,336	45,354	46,714	48,188	50,611	51,889
Mileage:										
Railroad line owned ³	1,000	162	146	144	141	140	138	137	136	133
Railroad track owned ⁴	1,000	269	244	242	238	236	232	228	228	225
Equipment:										
Locomotives in service	Number	22,548	18,835	18,344	18,004	18,161	18,505	18,812	19,269	19,684
Average horsepower	1,000 lb	2,469	2,665	2,714	2,750	2,777	2,832	2,927	2,985	3,060
Cars in service:										
Passenger train	Number	2,502	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Freight train ⁵	1,000	1,422	1,212	1,190	1,173	1,173	1,192	1,219	1,241	1,270
Freight cars ⁶	1,000	867	659	633	605	587	591	583	571	568
Income and expenses:										
Operating revenues	Mil. dol.	27,586	28,370	27,845	28,349	28,825	30,809	32,279	32,693	33,118
Operating expenses	Mil. dol.	25,225	24,652	28,061	25,325	24,517	25,511	27,897	26,331	27,291
Net revenue from operations	Mil. dol.	2,361	3,718	-216	3,024	4,308	5,298	4,383	6,367	5,827
Income before fixed charges	Mil. dol.	3,393	4,627	928	4,127	4,990	6,184	5,016	7,055	6,168
Provision for taxes	Mil. dol.	660	1,088	-156	1,092	1,810	1,935	1,556	2,056	1,886
Ordinary income	Mil. dol.	1,788	1,961	-91	2,055	2,258	3,315	2,439	3,885	3,156
Net income	Mil. dol.	1,882	1,977	-281	1,800	2,240	3,298	2,324	3,885	3,156
Net railway operating income	Mil. dol.	1,746	2,648	-37	1,955	2,517	3,392	2,858	4,338	3,984
Total taxes ⁸	Mil. dol.	3,169	3,780	2,649	3,732	4,343	4,512	4,075	4,669	4,514
Indus. return on net investment	Percent	4.6	8.1	1.3	6.3	7.1	9.4	7.0	9.4	7.6
Gross capital expenditures	Mil. dol.	4,485	3,591	3,439	3,680	4,504	5,035	5,720	6,550	6,737
Balance sheet:										
Total property investment	Mil. dol.	64,241	70,348	71,622	72,677	75,217	78,384	86,186	90,046	96,058
Accrued depreciation and amortization	Mil. dol.	19,756	22,222	23,057	23,378	23,892	24,200	23,439	23,932	21,862
Net investment	Mil. dol.	46,237	48,126	48,565	49,299	51,325	54,184	62,746	66,113	74,196
Shareholder's equity	Mil. dol.	27,605	23,662	22,603	23,115	24,658	27,389	31,419	32,255	34,996
Net working capital	Mil. dol.	1,084	-3,505	-3,988	-4,372	-3,295	-3,059	-2,634	-2,942	-3,434
Cash dividends	Mil. dol.	1,444	2,074	915	830	1,054	1,398	1,518	3,937	995
AMTRAK passenger traffic:										
Passenger revenue	Mil. dol.	604.9	941.9	962.3	933.2	777.6	717.9	734.1	756.2	792.1
Revenue passengers carried	1,000	20,945	22,382	21,693	21,678	21,511	21,239	20,349	19,700	20,200
Revenue passenger miles	Million	4,977	6,125	6,249	6,181	6,068	5,869	5,401	5,066	5,166
Averages:										
Revenue per passenger	Dollars	28.9	42.1	44.4	43.0	36.1	33.8	36.1	38.4	39.2
Revenue per passenger mile	Cents	12.2	15.4	15.4	15.1	12.8	12.2	13.6	14.9	15.3
Trip per passenger	Miles	237.6	273.7	288.0	285.1	277.7	(NA)	(NA)	(NA)	(NA)
Freight service:										
Freight revenue	Mil. dol.	26,688	24,471	26,949	27,508	27,991	29,931	31,356	31,889	32,322
Per ton-mile	Cents	3.0	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4
Per ton originated	Dollar	20.2	19.3	19.5	19.7	20.0	20.4	20.2	19.8	20.4
Revenue-tons originated	Million	1,320	1,425	1,383	1,399	1,397	1,470	1,550	1,611	1,585
Revenue-tons carried	Million	1,985	2,024	1,987	2,022	2,047	2,185	2,322	2,229	2,114
Tons carried one mile	Billion	877	1,034	1,039	1,067	1,109	1,201	1,306	1,356	1,349
Average miles of road operated	1,000	161	133	130	126	124	123	125	127	122
Revenue ton-miles per mile of road	1,000	5,446	7,763	8,001	8,451	8,965	9,735	10,439	10,704	11,087
Revenue per ton-mile	Cents	3	3	3	3	3	2	2	2	2
Train miles	Million	347	380	375	390	405	441	458	469	475
Net ton-miles per train-mile ⁹	Number	2,574	2,755	2,796	2,759	2,759	2,746	2,870	2,912	2,861
Net ton-miles per loaded car-mile	Number	62.7	69.1	71.6	70.9	71.6	72.2	73.6	75.0	74.0
Train-miles per train-hour	Miles	21.9	23.7	23.7	23.7	23.1	22.4	21.8	22.0	19.2
Haul per ton, U.S. as a system	Miles	664	726	751	763	794	817	843	842	851
Accident: ¹⁰										
All railroads	Number	35,340	26,440	24,662	22,553	20,400	18,038	15,586	13,108	(NA)
Persons killed	Number	1,036	1,297	1,194	1,170	1,279	1,226	1,146	1,023	(NA)
Persons injured	Number	34,304	25,143	23,468	21,383	19,121	16,812	14,440	12,085	(NA)
Class I railroads	Number	29,388	20,450	18,728	17,055	15,058	12,428	10,565	8,000	(NA)
Persons killed	Number	955	1,166	1,069	1,047	1,124	1,080	994	818	(NA)
Persons injured	Number	28,433	19,284	17,659	16,008	13,934	11,348	9,571	7,182	(NA)

NA Not available. ¹ See text, this section, for definition of Class I. ² Average mid-month count. ³ Represents the aggregate length of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class II and III railroads). ⁴ Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal. (Includes estimate for class II and III railroads). ⁵ Includes cars owned by all railroads, private car companies, and shippers. ⁶ Class I railroads only. ⁷ Includes State income taxes. ⁸ Includes payroll, income, and other taxes. ⁹ Revenue and nonrevenue freight. ¹⁰ Source: Federal Railroad Admin., *Accident Bulletin*, annual. Includes highway grade crossing casualties.

Source: Except as noted, Association of American Railroads, Washington, DC, *Railroad Facts, Statistics of Railroads of Class I, annual*, and *Analysis of Class I Railroads, annual*.

No. 1064. Railroads, Class I-Cars of Revenue Freight Loaded, 1970 to 1997, and by Commodity Group, 1996 and 1997

[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		1996	1997		1996	1997
1970	27,160	1,450	Coal	6,694	6,709	Metals and products	579	600
1975	23,217	1,308	Metallic ores	443	360	Stone, clay, and glass products	477	483
1980	22,598	1,661	Chemicals, allied products	1,524	1,578	Crushed stone, gravel, sand	679	687
1985	19,574	2,863	Grain	1,235	1,200	Nonmetallic minerals, n.e.c	480	466
1990	16,177	(NA)	Motor vehicles and equipment	1,003	1,050	Waste and scrap materials	487	489
1993	15,911	(NA)	Pulp, paper, allied products	527	525	Lumber, wood products, n.e.c. ¹	268	275
1994	16,763	(NA)	Primary forest products	352	344	Coke	262	242
1995	16,706	(NA)	Food and kindred prod., n.e.c.	415	412	Petroleum product	276	291
1996	16,521	(NA)	Grain mill products	490	505	All other carloads	328	346
1997, prel.	16,564	(NA)						

NA Not available. ¹ Excludes furniture.

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

No. 1065. Railroads, Class I Line-Haul Revenue Freight Originated, by Commodity Group: 1980 to 1996

[22,223 represents 22,223,000]

Commodity group	1980	1985	1990	1991	1992	1993	1994	1995	1996
Carloads (1,000) ¹	22,223	19,501	21,401	20,868	21,205	21,683	23,179	23,726	24,159
Coal	5,789	5,684	5,912	5,683	5,572	5,310	5,681	6,095	6,746
Farm products	1,866	1,494	1,689	1,605	1,646	1,636	1,459	1,692	1,530
Chemicals, allied products	1,322	1,296	1,531	1,556	1,568	1,606	1,695	1,642	1,639
Food and kindred products	1,767	1,224	1,307	1,316	1,352	1,380	1,381	1,377	1,302
Nonmetallic minerals ²	1,474	1,196	1,202	1,075	1,029	1,044	1,138	1,159	1,176
Transportation equipment	1,004	1,202	1,091	1,068	1,181	1,355	1,448	1,473	1,442
Lumber and wood products ³	1,384	948	780	716	726	710	771	719	682
Pulp, paper, allied products	954	703	611	616	618	620	651	628	589
Petroleum and coal products	596	491	573	533	583	584	602	596	567
Stone, clay, and glass products	776	551	539	479	483	487	512	516	491
Metallic ores	1,258	511	508	499	489	443	440	463	443
Primary metal products	756	449	477	469	481	528	579	575	597
Waste and scrap materials	632	429	439	433	487	558	604	623	605
Machinery, exc. electrical	77	35	39	39	39	37	40	41	40
Fabricated metal products ⁴	72	31	31	34	32	37	37	32	29
Tons (mil.) ¹	1,492	1,320	1,425	1,383	1,399	1,397	1,470	1,550	1,611
Coal	522	538	579	560	554	534	574	627	705
Farm products	156	127	147	144	149	147	131	154	142
Chemicals, allied products	108	106	126	127	130	134	142	138	139
Nonmetallic minerals ²	125	108	109	99	94	96	106	110	113
Food and kindred products	92	74	81	83	86	88	88	91	87
Lumber and wood products ³	86	63	53	48	50	49	54	51	49
Metallic ores	105	47	47	45	45	41	40	44	42
Stone, clay, and glass products	54	44	44	39	40	40	42	43	42
Petroleum and coal products	38	33	40	37	41	41	43	43	42
Primary metal products	53	34	38	37	39	43	47	47	49
Pulp, paper, allied products	42	36	33	33	34	34	37	36	33
Waste and scrap materials	34	26	28	27	30	35	37	38	38
Transportation equipment	24	27	23	22	25	29	30	30	29
Machinery, exc. electrical	2	1	1	1	1	1	1	1	1
Fabricated metal products ⁴	2	1	1	1	1	1	1	1	1
Gross revenue (mil. dol.) ¹	26,938	28,225	29,775	29,319	29,777	30,376	32,424	33,782	34,310
Coal	4,956	6,556	6,954	6,903	6,717	6,481	7,021	7,356	7,706
Chemicals, allied products	2,946	3,342	3,933	4,043	4,123	4,277	4,520	4,553	4,660
Transportation equipment	1,917	3,110	3,100	2,633	2,753	3,021	3,257	3,269	3,390
Farm products	2,801	1,977	2,422	2,332	2,454	2,528	2,407	3,020	2,807
Food and kindred products	2,837	2,256	2,188	2,254	2,308	2,336	2,427	2,464	2,378
Pulp, paper, allied products	1,652	1,641	1,486	1,502	1,508	1,511	1,510	1,543	1,485
Lumber and wood products ³	1,543	1,525	1,390	1,282	1,342	1,324	1,421	1,385	1,409
Primary metal products	1,332	872	979	977	970	1,021	1,114	1,199	1,254
Stone, clay, and glass products	1,025	960	931	878	911	944	1,009	1,044	1,033
Petroleum and coal products	865	861	918	888	943	929	967	997	1,013
Nonmetallic minerals ²	948	949	885	824	812	818	862	875	895
Waste and scrap materials	513	446	504	515	558	613	655	685	702
Metallic ores	597	403	408	400	409	385	378	394	382
Machinery, exc. electrical	176	72	67	62	61	59	65	69	70
Fabricated metal products ⁴	110	48	42	48	45	50	50	44	41

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. 1066. Railroad Freight—Producer Price Indexes: 1980 to 1998

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

Commodity	1980	1985	1990	1992	1993	1994	1995	1996	1997	1998
Total railroad freight	75.9	99.9	107.5	109.9	110.9	111.8	111.7	111.5	112.1	113.4
Coal	75.8	100.0	104.2	105.9	106.6	107.5	107.3	106.7	107.0	109.0
Farm products	75.6	99.0	110.4	111.1	113.7	114.5	115.6	115.7	120.4	123.8
Food products	75.2	100.0	105.4	108.7	109.0	111.0	111.2	108.5	107.6	107.4
Metallic ores	74.5	100.2	106.5	106.6	106.7	104.6	101.9	103.5	103.4	104.2
Chemicals or allied products	75.6	100.1	111.7	115.6	116.2	117.6	120.0	119.2	119.6	120.2
Nonmetallic minerals	72.2	100.1	111.7	117.6	119.3	119.7	119.5	119.2	120.6	120.9
Wood or lumber products	72.7	100.0	107.5	108.8	109.7	110.0	110.0	112.8	111.0	110.3
Transportation equipment	81.7	100.0	107.5	110.8	111.3	115.3	112.8	114.0	113.2	113.4
Pulp, paper, or allied products	76.7	100.0	108.0	111.8	112.6	111.1	108.7	(NA)	111.2	113.8
Primary metal products	77.8	99.7	113.1	117.5	116.3	115.6	115.6	115.4	114.0	116.1
Clay, concrete, glass, or stone products	74.2	100.0	114.1	116.5	117.9	120.1	121.4	121.1	119.8	121.8
Petroleum and coal products	76.1	99.7	109.2	109.5	110.6	114.8	114.3	114.1	120.5	122.3

NA Not available.

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

No. 1067. Petroleum Pipeline Companies—Characteristics: 1980 to 1997

[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	1992	1993	1994	1995	1996	1997
Miles of pipeline, total	1,000	173	171	168	164	164	159	177	169	160
Gathering lines	1,000	36	35	32	29	29	30	35	32	31
Trunk lines	1,000	136	136	136	136	135	128	142	137	130
Total deliveries	Mil. bbl.	10,600	10,745	11,378	11,447	12,219	12,159	12,862	12,635	12,481
Crude oil	Mil. bbl.	6,405	6,239	6,563	6,541	6,708	6,785	6,952	6,975	6,795
Products	Mil. bbl.	4,195	4,506	4,816	4,906	5,511	5,373	5,910	5,660	5,686
Total trunk line traffic	Bil. bbl-miles	3,405	3,342	3,500	3,428	3,051	3,566	3,619	3,734	3,683
Crude oil	Bil. bbl-miles	1,948	1,842	1,891	1,853	1,382	1,823	1,899	1,912	1,901
Products	Bil. bbl-miles	1,458	1,500	1,609	1,575	1,669	1,743	1,720	1,822	1,782
Carrier property value	Mil. dol.	19,752	21,605	25,828	27,106	31,625	26,363	27,460	28,043	30,655
Operating revenues	Mil. dol.	6,356	7,461	7,149	7,154	6,931	7,281	7,711	7,321	7,215
Net income	Mil. dol.	1,912	2,431	2,340	2,061	1,763	2,148	2,670	2,372	2,255

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

No. 1068. 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.