



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

**DOT HS 807 666
Semiannual Report**

November 1990

1990 Traffic Fatalities

1. Report No. DOT HS 807 666		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle 1990 Traffic Fatalities - Semiannual Report				5. Report Date November 1990	
				6. Performing Organization Code	
7. Author(s) Ezio Cerrelli				8. Performing Organization Report No.	
9. Performing Organization Name and Address Mathematical Analysis Division National Center for Statistics and Analysis 400 7th St. S.W. Washington, D.C. 20590				10. Work Unit No. (TRAI5)	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address Research and Development National Highway Traffic Safety Administration 400 7th St. S.W. Washington, D.C. 20590				13. Type of Report and Period Covered NHTSA Technical Report	
				14. Sponsoring Agency Code	
15. Supplementary Notes					
16. Abstract This report contains preliminary estimates of traffic fatalities and fatal accidents for the first six months of 1990. Trend data are presented for both the long and short term. The national estimates of fatalities are quite extensive and cover a wide range of frequently used accident classifiers. Most of the estimates in the report are compared to the corresponding values available for 1980, 1983 and 1989. The results are presented in tabular form and are summarized in a set of principal findings. The preliminary estimates in this report are for the first six months of 1990 and do not reflect the trends and patterns for the entire year. Preliminary estimates for the full year will be available in a similar report in the spring of 1991.					
17. Key Words Fatalities, Fatal Accidents, Drivers, Vehicles, Alcohol, Restraints, BAC test, Trend Data, Heavy Trucks			18. Distribution Statement Document is available to the public through the National Technical Information Service Springfield, VA 22161		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 40	22. Price

1990 Traffic Fatalities - Semiannual Report

Introduction

This report presents estimates of traffic fatalities for the first six months of 1990 and compares them to the actual counts available for the same period in 1989, 1983 and 1980. The main purpose of this report is to make a number of basic statistics available to the highway safety community. As a result, the report does not contain any analysis or interpretation of the data.

The years 1980 and 1983 are used for comparisons because they account for the highest and lowest traffic fatality counts, respectively, over the last eight years. The recorded annual fatality count declined from the level of 51,091 fatalities in 1980, to 42,589 in 1983, and rose to 47,093 in 1988. Since all statistics for 1990 are preliminary estimates, all changes with respect to 1989, 1983 and 1980 are shown to the nearest whole percent.

All statistics were obtained from the Fatal Accident Reporting System (FARS) data files, which contain information on each fatal traffic crash reported in the United States. FARS is sponsored and managed by the National Center for Statistics and Analysis in the National Highway Traffic Safety Administration. All fatal crashes occurring in the first half of 1990, reported to FARS as of September 1990 were used to compile this report.

At that time the number of cases on file for the first six months of 1990 accounted for 94 percent of the expected total number of cases, based on preliminary reports from individual States. The extrapolation factor used for each month, needed to estimate the final counts, was the ratio of the expected final national count to the current count as obtained from the file. Previous experience with this extrapolation procedure has shown that, generally, these preliminary estimates differ from the final figures by about 1 percent.

For the following data elements, Highway System, Land Use, and Speed Limit, the reporting to FARS is not quite as complete and the file contains a large number of cases with unknown values. Additional adjustments were required for these data elements, in order to make proper comparisons with previous years' data.

The annual fatality trend, from January 1975 through June 1990, is displayed in Figure 1. Fatality counts and travel estimates have been combined in Figure 2 to present the fatality rate trend over the same period of time. Vehicle Miles of Travel (VMT) data used to calculate the fatality rate were provided by the Federal Highway Administration. The rate for 1990 reflects an estimated 4 percent increase in the annual VMT over the previous year.

The first six tables in the report present selected estimates for the first half of 1990, while the remaining tables compare selected 1990 estimates to the corresponding counts reported for the first half of 1989, 1983 and 1980. These year to year comparisons rely on the redistribution of unknown data for 1990 and the results may change once the completed version of the 1990 FARS file becomes available.

Principal Findings

Fatalities

An estimated 20,900 people lost their lives in traffic crashes during the first six months of 1990. This represents a 1 percent decrease over the 21,088 fatalities reported during the same period in 1989. When compared to the six months total for 1983, the 1990 total is 8 percent higher but the same total is 11 percent lower than the count in 1980.

A time series analysis of the preliminary fatality estimates, available through August, suggests that the fatality decrease seen during the first six months will continue during the second half of the year. (Figure 1). If the trend value remains at the same level as in August, the estimated total fatalities for 1990 will be less than 45,000, more than 1 percent lower than the previous year.

The number of pedestrian fatalities continues to decline, 2 percent over last year and 19 percent since 1980. Pedalcyclist fatalities show a 10 percent increase over the 1989 total, and a reduction of 14 percent from the total reported for 1980. Fatalities in single vehicle crashes and those in multi vehicle crashes decreased by 1 percent.

Location

Fatalities decreased by 3 percent, over 1989, in all Urban areas but increased by 1 percent in Rural areas. When compared to 1989, rural and urban Interstate roads experienced a 3 percent increase in fatalities whereas a 5 percent increase resulted on Other US Routes. All other roadway systems combined showed a 2 percent decrease in fatalities. All roads with a posted speed limit above 55 mph had a 15 percent increase in fatalities. All above changes are relative to 1989. Since 1983 the increase has been 40 percent on interstate rural roads, 13 percent on all rural roads combined, and 13 percent on all roads with a posted speed limit at or above 55 mph.

Drivers

The overall number of drivers involved in fatal crashes decreased by 1 percent in 1990, when compared to the first six months of 1989. The number of male drivers involved decreased by 1 percent, over 1989, while female drivers show no appreciable change. Between 1980 and 1990, the number of male drivers in fatal crashes has decreased by 13 percent while the female counterpart has experienced an increase of 25 percent. The reduction, over 1989, was 4 percent among drivers of motorcycles and passenger car drivers. The number of drivers of light trucks decreased by 2 percent, while drivers of heavy trucks show a 2 percent increase. These numbers are likely to change when the classification of vehicles becomes more complete in FARS.

The number of driver fatalities did not change appreciably between 1989 and 1990. No change occurred for either males or females. For drivers under 44 years of age, the number of fatalities decreased by 2 percent in 1990, while the remaining group of drivers had an average increase of 3 percent.

Passengers

The number of passengers who died in motor vehicle crashes decreased by 2 percent between 1989 and 1990.

Since 1989, passenger fatalities in passenger cars decreased by 4 percent, as compared to a 7 percent decrease for light trucks and a 47 percent decrease for heavy trucks. Motorcycle passenger fatalities decreased by 4 percent. After completion of the reporting for unknowns, the reduction for passenger cars and light trucks will most likely be close to 2 percent.

Between 1980 and 1990, passenger fatalities have declined by 15 percent for passenger cars and 49 percent for motorcycles, while increasing by 6 percent for light trucks and vans. For all vehicles combined the reduction has been 12 percent.

Nonoccupants

The number of nonoccupant fatalities, pedestrians and pedalcyclists combined, decreased by 1 percent, during the last year. The reduction was almost entirely among males. During the 1980 to 1990 period, both sexes have shown a decrease in nonoccupant fatalities of about 18 percent.

Vehicles Involved

The number of vehicles involved in fatal crashes decreased by 1 percent over 1989 and by 6 percent over 1980. Passenger car involvements decreased by 4 percent and 12 percent, respectively, while motorcycle involvements decreased by 4 percent and 42 percent, respectively. Light trucks decreased by 2 percent between 1989 and 1990, but increased by 23 percent since 1980.

Restraint Use

Reported restraint usage for all passenger vehicle occupants in fatal crashes has increased from 3 percent in 1980 to 36 percent in 1989 and 38 percent in 1990.

Reported usage for fatally injured occupants rose from 2 percent in 1980 to 22 percent in 1989 and 23 percent in 1990. Reported usage for children under 5 reached 48 percent in 1990 for all passengers involved in fatal crashes, and 32 percent for those fatally injured.

Motorcycle Helmet

Motorcycle helmet usage has remained almost unchanged between 1980 and 1989 for motorcyclists involved in fatal crashes, at about 42 percent. Helmet use shows an increase to the 48 percent level in the first half of 1990. The usage rate for drivers is generally higher than for passengers (40 vs. 50, in 1990).

▲ ▲ ▲ ▲

FIGURES AND TABLES

Table of Contents

FIGURE 1	FATALITY TREND	A1
FIGURE 2	FATALITY RATE TREND	A1
TABLE 1	FATALITIES BY AGE AND SEX	A2
TABLE 2	FATALITIES BY AGE AND PERSON TYPE	A3
TABLE 3	FATALITIES BY PERSON TYPE AND MONTH	A4
TABLE 4	FATALITIES BY TIME AND MONTH	A5
TABLE 5	TRAFFIC FATALITIES BY TIME AND DAY OF WEEK	A6
TABLE 6	FATALITIES BY POSTED SPEED LIMIT AND LAND USE	A7
TABLE 7	FATAL CRASHES CLASSIFIED BY MONTH	A8
TABLE 8	TRAFFIC FATALITIES CLASSIFIED BY MONTH	A8
TABLE 9	FATAL CRASHES CLASSIFIED BY DAY OF WEEK	A9
TABLE 10	TRAFFIC FATALITIES CLASSIFIED BY DAY OF WEEK	A9
TABLE 11	FATAL CRASHES CLASSIFIED BY TYPE	A10
TABLE 12	TRAFFIC FATALITIES CLASSIFIED BY CRASH TYPE	A10
TABLE 13	FATAL CRASHES CLASSIFIED BY HOUR	A11
TABLE 14	TRAFFIC FATALITIES CLASSIFIED BY HOUR	A11
TABLE 15	FATAL CRASHES CLASSIFIED BY HIGHWAY TYPE	A12
TABLE 16	TRAFFIC FATALITIES CLASSIFIED BY HIGHWAY TYPE	A12
TABLE 17	FATAL CRASHES CLASSIFIED BY POSTED SPEED LIMIT	A13
TABLE 18	TRAFFIC FATALITIES CLASSIFIED BY POSTED SPEED LIMIT	A13
TABLE 19	FATAL CRASHES CLASSIFIED BY LAND USE	A14
TABLE 20	TRAFFIC FATALITIES CLASSIFIED BY LAND USE	A14
TABLE 21	AGE OF DRIVERS IN FATAL CRASHES	A15
TABLE 22	AGE OF MALE DRIVERS IN FATAL CRASHES	A16
TABLE 23	AGE OF FEMALE DRIVERS IN FATAL CRASHES	A16
TABLE 24	AGE OF FATALLY INJURED DRIVERS	A17

TABLE 25	AGE OF FATALLY INJURED MALE DRIVERS	A18
TABLE 26	AGE OF FATALLY INJURED FEMALE DRIVERS	A18
TABLE 27	AGE OF PASSENGERS IN FATAL CRASHES	A19
TABLE 28	AGE OF PASSENGER FATALITIES	A19
TABLE 29	AGE OF NONOCCUPANTS IN FATAL CRASHES	A20
TABLE 30	AGE OF DRIVERS IN NONOCCUPANT FATAL	A20
TABLE 31	AGE OF NONOCCUPANT FATALITIES	A21
TABLE 32	AGE OF NONOCCUPANT MALE FATALITIES	A22
TABLE 33	AGE OF NONOCCUPANT FEMALE FATALITIES	A22
TABLE 34	NUMBER OF VEHICLES IN FATAL CRASHES BY TYPE	A23
TABLE 35	OCCUPANT FATALITIES BY VEHICLE TYPE	A24
TABLE 36	DRIVER FATALITIES BY VEHICLE TYPE	A25
TABLE 37	PASSENGER FATALITIES BY VEHICLE TYPE	A26
TABLE 38	NONOCCUPANT FATALITIES BY VEHICLE TYPE	A27
TABLE 39	OCCUPANT FATALITIES BY VEHICLE TYPE (MULTI VEHICLE CRASHES INVOLVING HEAVY TRUCKS)	A28
TABLE 40	FATALITIES IN CRASHES INVOLVING HEAVY TRUCKS BY VICTIM TYPE AND CRASH TYPE	A29
TABLE 41	RESTRAINT USAGE RATE FOR PASSENGER VEHICLES (ALL OCCUPANTS)	A30
TABLE 42	RESTRAINT USAGE RATE FOR PASSENGER VEHICLES (FATALLY INJURED OCCUPANTS)	A30
TABLE 43	HELMET USAGE RATE FOR MOTORCYCLE RIDERS (ALL RIDERS)	A31
TABLE 44	HELMET USAGE RATE FOR MOTORCYCLE RIDERS (FATALLY INJURED DRIVERS)	A31

FIGURE 1

FATALITY TREND

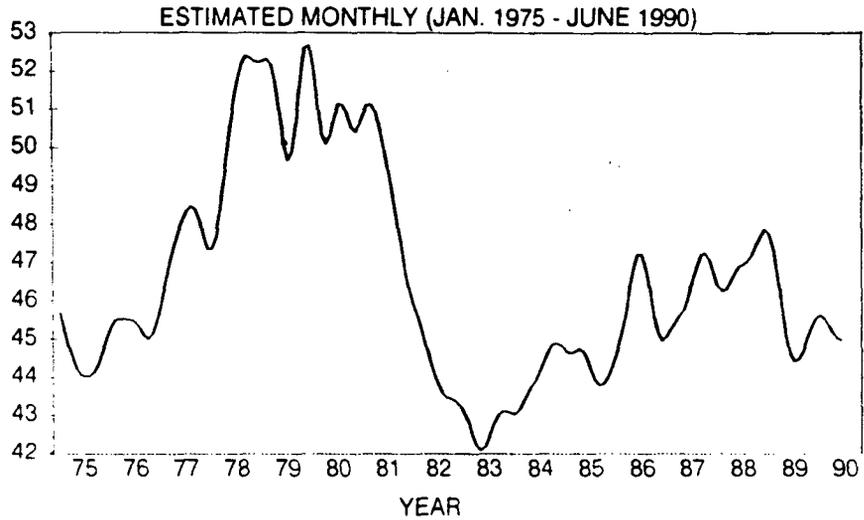
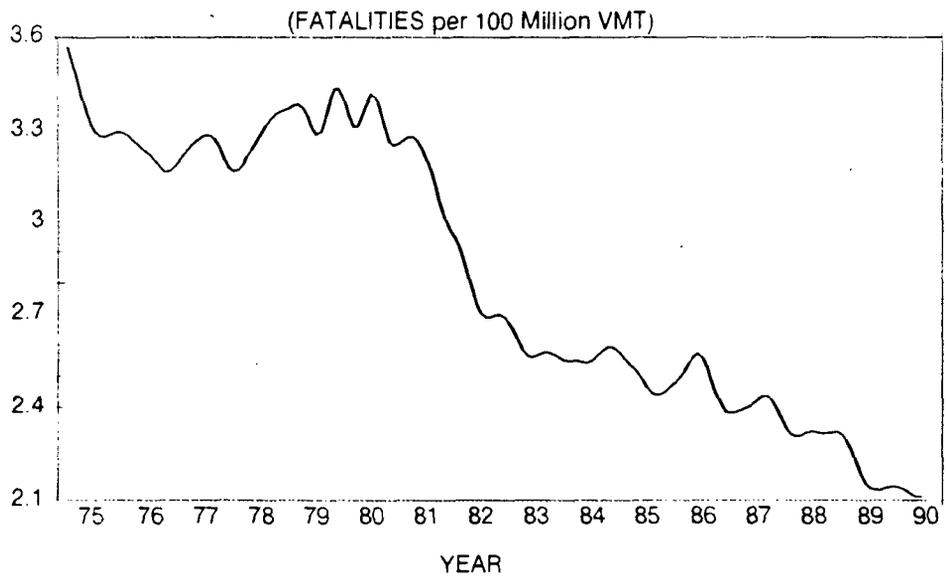


FIGURE 2

FATALITY RATE TREND



1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 1			
FATALITIES BY AGE AND SEX			
AGE OF FATALITY	PERSON SEX		TOTAL
	MALE	FEMALE	
4 YEARS & UNDER	254	201	455
(Percent)	56	44	100
5 TO 14 YEARS	521	372	893
(Percent)	58	42	100
15 TO 19 YEARS	1,872	837	2,709
(Percent)	69	31	100
20 TO 24 YEARS	2,333	742	3,075
(Percent)	76	24	100
25 TO 34 YEARS	3,407	1,142	4,549
(Percent)	75	25	100
35 TO 44 YEARS	2,048	791	2,839
(Percent)	72	28	100
45 TO 54 YEARS	1,234	547	1,781
(Percent)	69	31	100
55 TO 64 YEARS	979	534	1,513
(Percent)	65	35	100
65 YEARS OR OLDER	1,694	1,286	2,980
(Percent)	57	43	100
UNKNOWN AGE	82	24	106
(Percent)	77	23	100
TOTAL	14,424	6,476	20,900
(Percent)	69	31	100

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 2				
FATALITIES BY AGE AND PERSON TYPE				
AGE OF FATALITY	PERSON TYPE			TOTAL
	NONOCCUPANT	DRIVER	PASSENGER	
4 YEARS & UNDER	150	0	305	455
(Percent)	33	0	67	100
5 TO 14 YEARS	405	48	440	893
(Percent)	45	5	49	100
15 TO 19 YEARS	201	1,460	1,048	2,709
(Percent)	7	54	39	100
20 TO 24 YEARS	220	2,030	825	3,075
(Percent)	7	66	27	100
25 TO 34 YEARS	580	3,090	879	4,549
(Percent)	13	68	19	100
35 TO 44 YEARS	476	1,918	445	2,839
(Percent)	17	68	16	100
45 TO 54 YEARS	298	1,174	309	1,781
(Percent)	17	66	17	100
55 TO 64 YEARS	295	930	288	1,513
(Percent)	19	61	19	100
65 YEARS OR OLDER	700	1,597	683	2,980
(Percent)	23	54	23	100
UNKNOWN AGE	65	13	28	106
(Percent)	61	12	26	100
TOTAL	3,390	12,260	5,250	20,900
(Percent)	16	59	25	100

TABLE 3
FATALITIES BY PERSON TYPE AND MONTH

PERSON TYPE	MONTH						TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	
NONOCCUPANT	621	568	584	544	544	529	3,390
(PERCENT)	18	17	17	16	16	16	100
DRIVER	1,873	1,608	2,015	2,091	2,261	2,412	12,260
(PERCENT)	15	13	16	17	18	20	100
PASSENGER	766	734	811	885	995	1,059	5,250
(PERCENT)	15	14	15	17	19	20	100
TOTAL	3,260	2,910	3,410	3,520	3,800	4,000	20,900
(PERCENT)	16	14	16	17	18	19	100

TABLE 4							
FATALITIES BY TIME AND MONTH							
TIME	MONTH						TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	
MIDNIGHT TO 3 AM	453	418	508	564	584	633	3,160
3 AM TO 6 AM	213	195	258	280	297	352	1,595
6 AM TO 9 AM	398	286	265	271	306	280	1,806
9 AM TO 12 NOON	279	226	254	275	323	313	1,670
12 NOON TO 3 PM	398	324	410	416	412	526	2,486
3 PM TO 6 PM	490	486	537	562	649	603	3,327
6 PM TO 9 PM	520	548	630	520	552	562	3,332
9 PM TO MIDNIGHT	481	403	532	603	649	704	3,372
UNKNOWN TIME	28	24	16	29	28	27	152
TOTAL	3,260	2,910	3,410	3,520	3,800	4,000	20,900

TABLE 5 TRAFFIC FATALITIES BY TIME AND DAY OF WEEK								
TIME	MONTH							TOTAL
	SUN	MON	TUE	WED	THU	FRI	SAT	
MIDNIGHT TO 3 AM	806	259	190	223	282	421	979	3,160
3 AM TO 6 AM	431	149	120	150	141	206	398	1,595
6 AM TO 9 AM	153	248	265	283	286	317	254	1,806
9 AM TO 12 NOON	197	265	224	220	245	243	276	1,670
12 NOON TO 3 PM	362	343	346	328	324	388	395	2,486
3 PM TO 6 PM	493	456	420	418	420	564	556	3,327
6 PM TO 9 PM	491	377	380	376	401	628	679	3,332
9 PM TO MIDNIGHT	401	336	346	339	414	877	659	3,372
UNKNOWN TIME	32	15	14	18	12	27	34	152
TOTAL	3,366	2,448	2,305	2,355	2,525	3,671	4,230	20,900

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 6				
FATALITIES BY POSTED SPEED LIMIT AND LAND USE				
POSTED SPEED LIMIT	LAND USE			TOTAL
	URBAN	RURAL	UNKNOWN	
LESS THAN 26 MPH	790	185	3	978
(PERCENT)	81	19	0	100
26 TO 35 MPH	3,055	770	10	3,835
(PERCENT)	80	20	0	100
36 TO 45 MPH	2,110	1,450	10	3,570
(PERCENT)	59	41	0	100
46 TO 54 MPH	455	605	5	1,065
(PERCENT)	43	57	0	100
55 MPH	1,810	7,730	5	9,545
(PERCENT)	19	80	0	100
OVER 55 MPH	120	1,130	0	1,250
(PERCENT)	10	89	0	100
UNKNOWN LIMIT	350	300	7	657
(PERCENT)	53	46	1	100
TOTAL	8,690	12,170	40	20,900
(PERCENT)	42	58	0	100

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 7							
FATAL CRASHES CLASSIFIED BY MONTH							
MONTH	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
JANUARY	2,940	2,975	2,569	3,048	-4	14	-1
FEBRUARY	2,575	2,652	2,382	2,905	-11	8	-3
MARCH	3,081	3,159	2,720	3,221	-4	13	-2
APRIL	3,132	3,227	2,892	3,341	-6	8	-3
MAY	3,347	3,428	3,245	3,965	-16	3	-2
JUNE	3,555	3,443	3,290	4,324	-18	8	3
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 8							
TRAFFIC FATALITIES CLASSIFIED BY MONTH							
MONTH	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
JANUARY	3,260	3,334	2,874	3,432	-5	13	-2
FEBRUARY	2,910	2,962	2,695	3,271	-11	8	-2
MARCH	3,410	3,550	3,078	3,645	-6	11	-4
APRIL	3,520	3,605	3,257	3,731	-6	8	-2
MAY	3,800	3,780	3,668	4,482	-15	4	1
JUNE	4,000	3,857	3,703	4,935	-19	-22	4
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 9							
FATAL CRASHES CLASSIFIED BY DAY OF WEEK							
DAY OF WEEK	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
SUNDAY	2,930	3,083	2,651	3,442	-15	11	-5
MONDAY	2,205	2,157	1,911	2,279	-3	15	2
TUESDAY	2,136	2,139	1,932	2,237	-5	11	-0
WEDNESDAY	2,141	2,227	2,081	2,325	-8	3	-4
THURSDAY	2,282	2,430	2,201	2,530	-10	4	-6
FRIDAY	3,225	3,130	2,752	3,462	-7	-10	3
SATURDAY	3,711	3,718	3,570	4,529	-18	-18	0
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 10							
TRAFFIC FATALITIES CLASSIFIED BY DAY OF WEEK							
DAY OF WEEK	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
SUNDAY	3,366	3,530	3,062	4,004	-16	10	-5
MONDAY	2,448	2,375	2,109	2,542	-4	16	3
TUESDAY	2,305	2,355	2,123	2,465	-6	9	-2
WEDNESDAY	2,355	2,458	2,302	2,594	-9	2	-4
THURSDAY	2,525	2,646	2,453	2,803	-10	3	-5
FRIDAY	3,671	3,529	3,078	3,906	-6	-10	4
SATURDAY	4,230	4,195	4,148	5,182	-18	-19	1
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 11							
FATAL CRASHES CLASSIFIED BY TYPE							
ACCIDENT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PEDESTRIAN	2,950	3,000	3,051	3,620	-19	-3	-2
PEDALCYCLIST	385	356	371	438	-12	4	8
SINGLE VEHICLE	7,680	7,810	7,123	9,035	-15	8	-2
ANGLE CRASH	3,370	3,471	2,788	3,136	7	21	-3
HEAD-ON CRASH	2,755	2,790	2,463	3,096	-11	12	-1
REAR END CRASH	840	838	775	882	-5	8	0
SIDESWIPE	295	309	280	318	-7	5	-5
OTHER TYPE	325	299	246	264	23	32	9
UNKNOWN TYPE	30	11	1	15	100	2900	173
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 12							
TRAFFIC FATALITIES CLASSIFIED BY ACCIDENT TYPE							
ACCIDENT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PEDESTRIAN	3,000	3,060	3,119	3,694	-19	-4	-2
PEDALCYCLIST	390	356	371	451	-14	5	10
SINGLE VEHICLE	8,415	8,502	7,809	9,916	-15	8	-1
ANGLE CRASH	3,885	3,944	3,207	3,671	6	21	-1
HEAD-ON CRASH	3,505	3,561	3,218	4,066	-14	9	-2
REAR END CRASH	940	945	932	1,005	-6	1	-1
SIDESWIPE	345	351	316	363	-5	9	-2
OTHER TYPE	390	355	302	306	27	29	10
UNKNOWN TYPE	30	14	1	24	25	2900	114
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 13							
FATAL CRASHES CLASSIFIED BY HOUR							
HOUR	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
12.1 AM TO 3 AM	2,795	2,810	3,072	4,003	-30	-9	-1
3.1 AM TO 6 AM	1,430	1,381	1,217	1,569	-9	18	4
6.1 AM TO 9 AM	1,624	1,655	1,218	1,374	18	33	-2
9.1 AM TO 12 NOON	1,504	1,605	1,324	1,426	5	14	-6
12.1 PM TO 3 PM	2,202	2,249	1,776	2,026	9	24	-2
3.1 PM TO 6 PM	2,945	2,996	2,562	3,132	-6	15	-2
6.1 PM TO 9 PM	2,969	3,055	2,871	3,446	-14	3	-3
9.1 PM TO MIDNIGHT	3,029	2,983	2,955	3,727	-19	3	2
UNKNOWN	132	150	103	101	31	28	-12
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 14							
TRAFFIC FATALITIES CLASSIFIED BY HOUR							
HOUR	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
12.1 AM TO 3 AM	3,160	3,116	3,463	4,567	-31	-9	1
3.1 AM TO 6 AM	1,595	1,541	1,407	1,770	-10	13	4
6.1 AM TO 9 AM	1,806	1,849	1,350	1,543	17	34	-2
9.1 AM TO 12 NOON	1,670	1,771	1,495	1,576	6	12	-6
12.1 PM TO 3 PM	2,486	2,518	1,997	2,295	8	24	-1
3.1 PM TO 6 PM	3,327	3,376	2,874	3,509	-5	16	-1
6.1 PM TO 9 PM	3,332	3,415	3,232	3,895	-14	3	-2
9.1 PM TO MIDNIGHT	3,372	3,338	3,347	4,235	-20	1	1
UNKNOWN	152	164	110	106	43	38	-7
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 15							
FATAL CRASHES CLASSIFIED BY HIGHWAY TYPE							
HIGHWAY TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
Interstate Rural	1,075	1,077	783	907	19	37	0
Interstate Urban	950	931	815	1,013	-6	17	2
INTERSTATE	2,025	2,008	1,598	1,920	5	27	1
OTHER U.S. ROUTES	3,210	3,049	2,745	3,280	-2	17	5
STATE ROUTES	5,380	5,535	5,323	6,675	-19	1	-3
COUNTY ROADS	3,550	3,436	3,022	3,856	-8	17	3
LOCAL STREETS	4,365	4,756	4,371	5,023	-13	-0	-8
UNKNOWN TYPE	100	100	39	50	100	156	0
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 16							
TRAFFIC FATALITIES CLASSIFIED BY HIGHWAY TYPE							
HIGHWAY TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
Interstate Rural	1,302	1,259	930	1,067	22	40	3
Interstate Urban	1,066	1,038	923	1,118	-5	15	3
INTERSTATE	2,368	2,297	1,853	2,185	8	28	3
OTHER U.S. ROUTES	3,685	3,518	3,199	3,912	-6	15	5
STATE ROUTES	6,090	6,259	6,132	7,676	-21	-1	-3
COUNTY ROADS	3,938	3,814	3,347	4,267	-8	18	3
LOCAL STREETS	4,711	5,097	4,696	5,405	-13	0	-8
UNKNOWN TYPE	108	103	48	51	112	125	5
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 17							
FATAL CRASHES CLASSIFIED BY POSTED SPEED LIMIT							
POSTED SPEED LIMIT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
LESS THAN 26 MPH	930	1,029	1,076	1,312	-29	-14	-10
26 TO 35 MPH	3,566	3,700	3,480	4,013	-11	2	-4
36 TO 45 MPH	3251	3390	2,779	2,982	9	17	-4
46 TO 54 MPH	953	951	900	1,108	-14	6	0
55 MPH & OVER							
55 MPH	8,285	8,316	8,147	9,106	-9	2	0
OVER 55 MPH	1035	930	N.A.	N.A.	N.A.	N.A.	11
SUBTOTAL	9,320	9,246	8,147	9,106	2	14	1
UNKNOWN LIMIT	610	568	716	2,283	-73	-15	7
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 18							
TRAFFIC FATALITIES CLASSIFIED BY POSTED SPEED LIMIT							
POSTED SPEED LIMIT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
LESS THAN 26 MPH	978	1,076	1,141	1,401	-30	-14	-9
26 TO 35 MPH	3,835	3,950	3,757	4,332	-11	2	-3
36 TO 45 MPH	3,570	3,701	3,041	3,278	9	17	-4
46 TO 54 MPH	1,065	1,071	992	1,273	-16	7	-1
55 MPH & OVER							
55 MPH	9,545	9,588	9,570	10,692	-11	-0	0
OVER 55 MPH	1,250	1,091	N.A.	N.A.	N.A.	N.A.	15
SUBTOTAL	10,795	10,679	9,570	10,692	1	13	1
UNKNOWN LIMIT	657	611	774	2,520	-74	-15	8
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 19							
FATAL CRASHES CLASSIFIED BY LAND USE							
LAND USE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
URBAN	8,023	8,327	7,790	9,224	-13	3	-4
RURAL	10,567	10,529	9,281	11,394	-7	14	0
UNKNOWN	40	28	27	186	-78	48	43
TOTAL	18,630	18,884	17,098	20,804	-10	9	-1

TABLE 20							
TRAFFIC FATALITIES CLASSIFIED BY LAND USE							
LAND USE	TOTAL				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
URBAN	8,690	8,988	8,466	10,059	-14	3	-3
RURAL	12,170	12,071	10,778	13,240	-8	13	1
UNKNOWN	40	29	31	197	-80	29	38
TOTAL	20,900	21,088	19,275	23,496	-11	8	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 21							
AGE OF DRIVERS IN FATAL CRASHES							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS AND UNDER	87	86	80	106	-18	9	1
15 TO 19 YEARS	3,288	3,582	3,236	4,579	-28	2	-8
20 TO 24 YEARS	4,336	4,620	4,895	6,179	-30	-11	-6
25 TO 34 YEARS	7,411	7,389	6,487	7,657	-3	14	0
35 TO 44 YEARS	4,691	4,680	3,647	3,963	18	29	0
45 TO 54 YEARS	2,782	2,755	2,212	2,761	1	26	1
55 TO 64 YEARS	1,940	1,937	1,757	2,023	-4	10	0
65 YEARS OR OLDER	2,615	2,516	1,829	1,722	52	43	4
UNKNOWN AGE	676	507	470	312	117	44	33
MISSING DRIVERS	164	216	233	397	-59	-30	-24
TOTAL	27,990	28,288	24,846	29,699	-6	13	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 22							
AGE OF MALE DRIVERS IN FATAL CRASHES							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS AND UNDER	60	67	67	95	-37	-10	-10
15 TO 19 YEARS	2,421	2,662	2,506	3,738	-35	-3	-9
20 TO 24 YEARS	3,375	3,651	3,970	5,222	-35	-15	-8
25 TO 34 YEARS	5,733	5,750	5,330	6,340	-10	8	0
35 TO 44 YEARS	3,575	3,533	2,884	3,180	12	24	1
45 TO 54 YEARS	2,140	2,121	1,759	2,193	-2	22	1
55 TO 64 YEARS	1,487	1,490	1,343	1,630	-9	11	0
65 YEARS OR OLDER	1,834	1,753	1,339	1,334	37	37	5
UNKNOWN AGE	515	388	382	255	102	35	33
MISSING DRIVERS	125	165	185	325	-62	-33	-24
TOTAL	21,265	21,580	19,765	24,312	-13	8	-1

TABLE 23							
AGE OF FEMALE DRIVERS IN FATAL CRASHES							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS & UNDER	27	19	13	11	145	108	42
15 TO 19 YEARS	867	920	730	841	3	19	-6
20 TO 24 YEARS	961	969	925	957	0	4	-1
25 TO 34 YEARS	1,678	1,639	1,157	1,317	27	45	2
35 TO 44 YEARS	1,116	1,147	763	783	43	46	-3
45 TO 54 YEARS	642	634	453	568	13	42	1
55 TO 64 YEARS	453	447	414	393	15	9	1
65 YEARS OR OLDER	781	763	490	388	101	59	2
UNKNOWN AGE	161	119	88	57	185	82	35
MISSING DRIVERS	39	51	48	72	-46	-18	-24
TOTAL	6,725	6,708	5,081	5,387	25	32	0

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 24							
AGE OF FATALLY INJURED DRIVERS							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS & UNDER	48	53	52	78	-38	-8	-9
15 TO 19 YEARS	1,460	1,525	1,435	2,040	-28	2	-4
20 TO 24 YEARS	2,030	2,031	2,188	2,852	-29	-7	0
25 TO 34 YEARS	3,090	3,154	2,829	3,435	-10	9	-2
35 TO 44 YEARS	1,918	1,932	1,501	1,677	14	28	-1
45 TO 54 YEARS	1,174	1,130	936	1,194	-2	25	4
55 TO 64 YEARS	930	913	844	1,006	-8	10	2
65 YEARS OR OLDER	1,597	1,545	1,117	1,065	50	43	3
UNKNOWN AGE	13	7	15	22	-41	-13	86
TOTAL	12,260	12,290	10,917	13,369	-8	12	0

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 25							
AGE OF FATALLY INJURED MALE DRIVERS							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS & UNDER	36	43	45	74	-51	-20	-16
15 TO 19 YEARS	1,087	1,114	1,152	1,705	-36	-6	-2
20 TO 24 YEARS	1,600	1,630	1,784	2,444	-35	-10	-2
25 TO 34 YEARS	2,415	2,462	2,315	2,917	-17	4	-2
35 TO 44 YEARS	1,468	1,441	1,197	1,354	8	23	2
45 TO 54 YEARS	860	851	714	942	-9	20	1
55 TO 64 YEARS	675	686	624	799	-16	8	-2
65 YEARS OR OLDER	1,108	1,063	820	841	32	35	4
UNKNOWN AGE	11	5	12	16	-31	-8	120
TOTAL	9,260	9,295	8,663	11,092	-17	7	0

TABLE 26							
AGE OF FATALLY INJURED FEMALE DRIVERS							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS & UNDER	12	10	7	4	200	71	20
15 TO 19 YEARS	373	411	283	335	11	32	-9
20 TO 24 YEARS	430	401	404	408	5	6	7
25 TO 34 YEARS	675	692	514	518	30	31	-2
35 TO 44 YEARS	450	491	304	323	39	48	-8
45 TO 54 YEARS	314	279	222	252	25	41	13
55 TO 64 YEARS	255	227	220	207	23	16	12
65 YEARS OR OLDER	489	482	297	224	118	65	1
UNKNOWN AGE	2	2	3	6	-67	-33	0
TOTAL	3,000	2,995	2,254	2,277	32	33	0

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 27							
AGE OF PASSENGERS IN FATAL CRASHES							
AGE OF PASSENGER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	1,347	1,352	1,081	978	38	25	0
5 TO 14 YEARS	2,518	2,496	1,755	1,899	33	43	1
15 TO 19 YEARS	3,735	3,948	3,726	4,903	-24	0	-5
20 TO 24 YEARS	2,725	2,655	2,853	3,332	-18	-4	3
25 TO 34 YEARS	2,930	2,969	2,361	2,572	14	24	-1
35 TO 44 YEARS	1,480	1,452	1,199	1,118	32	23	2
45 TO 54 YEARS	926	897	722	832	11	28	3
55 TO 64 YEARS	736	742	710	786	-6	4	-1
65 YEARS OR OLDER	1,355	1,352	1,050	1,020	33	29	0
UNKNOWN AGE	873	729	799	658	33	9	20
TOTAL	18,625	18,592	16,256	18,098	3	15	0

TABLE 28							
AGE OF PASSENGER FATALITIES							
AGE OF PASSENGER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	305	320	299	311	-2	2	-5
5 TO 14 YEARS	440	480	276	353	25	59	-8
15 TO 19 YEARS	1,048	1,114	1,069	1,596	-34	-2	-6
20 TO 24 YEARS	825	756	938	1,125	-27	-12	9
25 TO 34 YEARS	879	895	694	855	3	27	-2
35 TO 44 YEARS	445	443	397	395	13	12	0
45 TO 54 YEARS	309	309	244	311	-1	27	0
55 TO 64 YEARS	288	287	289	332	-13	0	0
65 YEARS OR OLDER	683	759	567	545	25	20	-10
UNKNOWN AGE	28	19	101	159	-82	-72	47
TOTAL	5,250	5,382	4,874	5,982	-12	8	-2

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 29							
AGE OF NONOCCUPANTS IN FATAL CRASHES							
AGE OF NONOCCUPANT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	164	173	200	221	-26	-18	-5
5 TO 14 YEARS	456	512	586	751	-39	-22	-11
15 TO 19 YEARS	245	234	356	458	-47	-31	5
20 TO 24 YEARS	276	311	402	453	-39	-31	-11
25 TO 34 YEARS	657	643	572	609	8	15	2
35 TO 44 YEARS	517	504	354	363	42	46	3
45 TO 54 YEARS	332	330	321	392	-15	3	1
55 TO 64 YEARS	311	351	333	375	-17	-7	-11
65 YEARS OR OLDER	717	722	674	862	-17	6	-1
UNKNOWN AGE	125	47	82	101	24	52	166
TOTAL	3,800	3,827	3,880	4,585	-17	-2	-1

TABLE 30							
AGE OF DRIVERS IN NONOCCUPANT FATAL CRASHES							
AGE OF DRIVER	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
14 YEARS & UNDER	7	4	3	4	75	133	75
15 TO 19 YEARS	336	378	387	511	-34	-13	-11
20 TO 24 YEARS	502	543	620	754	-33	-19	-8
25 TO 34 YEARS	898	879	855	1,038	-13	5	2
35 TO 44 YEARS	532	525	506	535	-1	5	1
45 TO 54 YEARS	303	287	320	406	-25	-5	6
55 TO 64 YEARS	183	198	217	244	-25	-16	-8
65 YEARS OR OLDER	198	186	170	165	20	16	6
UNKNOWN AGE	431	416	406	488	-12	6	4
TOTAL	3,390	3,416	3,484	4,145	-18	-3	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 31							
AGE OF NONOCCUPANT FATALITIES							
AGE OF NONOCCUPANT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	150	153	180	204	-26	-17	-2
5 TO 14 YEARS	405	465	541	694	-42	-25	-13
15 TO 19 YEARS	201	185	292	404	-50	-31	9
20 TO 24 YEARS	220	253	350	384	-43	-37	-13
25 TO 34 YEARS	580	550	486	516	12	19	5
35 TO 44 YEARS	476	453	316	320	49	51	5
45 TO 54 YEARS	298	295	297	362	-18	0	1
55 TO 64 YEARS	295	322	313	351	-16	-6	-8
65 YEARS OR OLDER	700	702	650	839	-17	8	0
UNKNOWN AGE	65	38	59	71	-8	10	71
TOTAL	3,390	3,416	3,484	4,145	-18	-3	-1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 32							
AGE OF NONOCCUPANT MALE FATALITIES							
AGE OF NONOCCUPANT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	103	92	123	135	-24	-16	12
5 TO 14 YEARS	285	313	392	484	-41	-27	-9
15 TO 19 YEARS	147	148	221	298	-51	-33	-1
20 TO 24 YEARS	173	202	276	292	-41	-37	-14
25 TO 34 YEARS	458	425	371	394	16	23	8
35 TO 44 YEARS	363	344	231	247	47	57	6
45 TO 54 YEARS	239	217	226	274	-13	6	10
55 TO 64 YEARS	208	238	225	242	-14	-8	-13
65 YEARS OR OLDER	398	438	384	533	-25	4	-9
UNKNOWN AGE	50	30	46	50	0	9	67
TOTAL	2,424	2,447	2,495	2,949	-18	-3	-1

TABLE 33							
AGE OF NONOCCUPANT FEMALE FATALITIES							
AGE OF NONOCCUPANT	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
4 YEARS & UNDER	47	61	57	69	-32	-18	-23
5 TO 14 YEARS	120	152	149	210	-43	-19	-21
15 TO 19 YEARS	54	37	71	106	-49	-24	46
20 TO 24 YEARS	47	51	74	92	-49	-36	-8
25 TO 34 YEARS	122	125	115	122	0	6	-2
35 TO 44 YEARS	113	109	85	73	55	33	4
45 TO 54 YEARS	59	78	71	88	-33	-17	-24
55 TO 64 YEARS	87	84	88	109	-20	-1	4
65 YEARS OR OLDER	302	264	266	306	-1	14	14
UNKNOWN AGE	15	8	13	21	-29	15	88
TOTAL	966	969	989	1,196	-19	-2	0

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 34							
NUMBER OF VEHICLES IN FATAL CRASHES BY TYPE							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	2,057	2,645	2,499	2,374	-13	-18	-22
SUB-COMPACTS	2,490	3,608	1,801	1,669	49	38	-31
COMPACTS	4,250	5,657	3,621	3,814	11	17	-25
INTERMEDIATES	2,132	2,636	3,604	4,802	-56	-41	-19
FULL SIZE CARS	585	727	1,867	2,946	-80	-69	-20
UNKNOWN SIZES	4,462	1,297	1,915	2,546	75	133	244
SUBTOTAL	15,976	16,570	15,307	18,151	-12	4	-4
MOTORCYCLES	1,362	1,414	1,788	2,360	-42	-24	-4
TRUCKS							
LIGHT TRUCKS (*)	7,018	7,170	4,866	5,698	23	44	-2
HEAVY TRUCKS	1,975	1,941	1,886	1,970	0	5	2
OTHER TRUCKS	433	478	339	571	-24	28	-9
SUBTOTAL	9,426	9,589	7,091	8,239	14	33	-2
BUSES	147	165	156	162	-9	-6	-11
OTHER TYPE	172	179	179	209	-18	-4	-4
UNKNOWN TYPE	907	371	325	578	57	179	144
TOTAL	27,990	28,288	24,846	29,699	-6	13	-1

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 35							
OCCUPANT FATALITIES BY VEHICLE TYPE							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	1,730	2,165	2,141	2,090	-17	-19	-20
SUB-COMPACTS	1,966	2,729	1,436	1,416	39	37	-28
COMPACTS	2,973	4,050	2,620	2,753	8	13	-27
INTERMEDIATES	1,282	1,582	2,181	2,944	-56	-41	-19
FULL SIZE CARS	300	348	998	1,664	-82	-70	-14
UNKNOWN SIZES	3,062	817	1,306	1,901	61	134	275
SUBTOTAL	11,313	11,691	10,682	12,768	-11	6	-3
MOTORCYCLES	1,350	1,398	1,766	2,351	-43	-24	-3
TRUCKS							
LIGHT TRUCKS (*)	3,907	3,960	2,740	3,367	16	43	-1
HEAVY TRUCKS	271	328	337	447	-39	-20	-17
OTHER TRUCKS	92	92	78	152	-39	18	0
SUBTOTAL	4,270	4,380	3,155	3,966	8	35	-3
BUSES	10	19	27	37	-73	-63	-47
OTHER TYPE	117	117	115	128	-9	2	0
UNKNOWN TYPE	450	67	46	119	278	878	572
TOTAL	17,510	17,672	15,791	19,369	-10	11	-1

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 36							
DRIVER FATALITIES BY VEHICLE TYPE							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	1,167	1,498	1,466	1,423	-18	-20	-22
SUB-COMPACTS	1,327	1,818	984	938	41	35	-27
COMPACTS	2,038	2,682	1,717	1,811	13	19	-24
INTERMEDIATES	860	1,076	1,402	1,914	-55	-39	-20
FULL SIZE CARS	219	234	617	1,053	-79	-65	-6
UNKNOWN SIZES	2,004	542	878	1,259	59	128	270
SUBTOTAL	7,615	7,850	7,064	8,398	-9	8	-3
MOTORCYCLES	1,195	1,237	1,541	2,041	-41	-22	-3
TRUCKS							
LIGHT TRUCKS (*)	2,749	2,719	1,866	2,277	21	47	1
HEAVY TRUCKS	241	271	279	367	-34	-14	-11
OTHER TRUCKS	70	68	46	113	-38	52	3
SUBTOTAL	3,060	3,058	2,191	2,757	11	40	0
BUSES	4	1	2	3	33	100	300
OTHER TYPE	86	102	89	91	-5	-3	-16
UNKNOWN TYPE	300	42	30	79	280	900	614
TOTAL	12,260	12,290	10,917	13,369	-8	12	0

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 37							
PASSENGER FATALITIES BY VEHICLE TYPE							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	563	667	675	665	-15	-17	-16
SUB-COMPACTS	639	911	452	478	34	41	-30
COMPACTS	935	1,368	903	941	-1	.4	-32
INTERMEDIATES	422	506	779	1,026	-59	-46	-17
FULL SIZE CARS	81	114	381	610	-87	-79	-29
UNKNOWN SIZES	1,058	275	428	640	65	147	285
SUBTOTAL	3,698	3,841	3,618	4,360	-15	2	-4
MOTORCYCLES	155	161	225	305	-49	-31	-4
TRUCKS							
LIGHT TRUCKS (*)	1,158	1,241	874	1,088	6	32	-7
HEAVY TRUCKS	30	57	58	80	-63	-48	-47
OTHER TRUCKS	22	24	32	38	-42	-31	-8
SUBTOTAL	1,210	1,322	964	1,206	0	26	-8
BUSES	6	18	25	34	-82	-76	-67
OTHER TYPE	31	15	26	37	-16	19	107
UNKNOWN TYPE	150	25	16	40	275	838	500
TOTAL	5,250	5,382	4,874	5,982	-12	8	-2

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 38							
NONOCCUPANT FATALITIES BY VEHICLE TYPE							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	184	270	277	221	-17	-34	-32
SUB-COMPACTS	238	416	207	179	33	15	-43
COMPACTS	537	641	465	476	13	15	-16
INTERMEDIATES	324	354	623	788	-59	-48	-8
FULL SIZE CARS	100	116	330	477	-79	-70	-14
UNKNOWN SIZES	595	216	297	323	84	100	175
SUBTOTAL	1,978	2,013	2,199	2,464	-20	-10	-2
MOTORCYCLES	31	24	33	57	-46	-6	29
TRUCKS							
LIGHT TRUCKS (*)	805	853	680	840	-4	18	-6
HEAVY TRUCKS	181	168	217	186	-3	-17	8
OTHER TRUCKS	59	54	44	79	-25	34	9
SUBTOTAL	1,045	1,075	941	1,105	-5	11	-3
BUSES	44	55	59	72	-39	-25	-20
OTHER TYPE	10	7	16	17	-41	-38	43
UNKNOWN TYPE	282	242	236	426	-34	19	17
TOTAL	3,390	3,416	3,484	4,141	-18	-3	-1

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 39							
OCCUPANT FATALITIES BY VEHICLE TYPE							
IN MULTI VEHICLE CRASHES INVOLVING HEAVY TRUCKS							
VEHICLE TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
PASSENGER CARS							
MINI-COMPACTS	161	168	205	132	22	-21	-4
SUB-COMPACTS	180	240	125	123	46	44	-25
COMPACTS	338	439	292	223	52	16	-23
INTERMEDIATES	167	209	272	279	-40	-39	-20
FULL SIZE CARS	37	40	129	187	-80	-71	-7
UNKNOWN SIZES	300	62	124	173	73	142	384
SUBTOTAL	1,183	1,158	1,147	1,117	6	3	2
MOTORCYCLES	55	36	73	92	-40	-25	53
TRUCKS							
LIGHT TRUCKS (*)	417	414	316	350	19	32	1
HEAVY TRUCKS	76	116	116	124	-39	-34	-34
OTHER TRUCKS	15	11	6	25	-40	150	36
SUBTOTAL	508	541	438	499	2	16	-6
BUSES	3	1	10	5	-40	-70	200
OTHER TYPE	6	8	18	7	-14	-67	-25
UNKNOWN TYPE	15	8	6	7	114	150	88
TOTAL	1,770	1,752	1,692	1,727	2	5	1

(*) Includes Pickups, Vans, and Utility Vehicles

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 40							
FATALITIES IN CRASHES INVOLVING HEAVY TRUCKS							
BY VICTIM TYPE AND ACCIDENT TYPE							
VICTIM TYPE (ACCIDENT TYPE)	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
NONOCCUPANTS (COLLISION WITH NONOCCUPANT)	195	180	223	195	0	-13	8
TRUCK OCCUPANTS							
SINGLE VEHICLE	195	212	221	323	-40	-12	-8
MULTI VEHICLE	76	116	116	124	-39	-34	-34
SUBTOTAL	271	328	337	447	-39	-20	-17
OCCUPANTS OF OTHER VEHICLES (MULTI VEHICLE)	1,694	1,636	1,576	1,603	6	7	4
TOTAL	2,160	2,144	2,136	2,245	-4	1	1

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 41							
RESTRAINT USAGE RATE(*) FOR PASSENGER VEHICLES							
ALL OCCUPANTS							
OCCUPANT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
DRIVERS	42	40	5	4	950	740	5
PASSENGERS	33	31	5	3	1000	560	6
PASSENGERS (under 5 years old)	48	46	21	6	700	129	4
ALL	38	36	5	3	1160	660	6

TABLE 42							
RESTRAINT USAGE RATE(*) FOR PASSENGER VEHICLES							
FATALLY INJURED OCCUPANTS							
OCCUPANT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
DRIVERS	23	21	3	3	667	667	10
PASSENGERS	22	22	4	2	1000	450	0
PASSENGERS (under 5 years old)	32	29	21	6	433	52	10
ALL	23	22	3	2	1050	667	5

(*) USAGE RATE IS THE PERCENT OF PEOPLE USING THE RESTRAINTS AMONG ALL PEOPLE FOR WHOM THE USAGE IS KNOWN

1990 Semiannual (Jan.-Jun.) Traffic Fatalities Report

TABLE 43							
HELMET USAGE RATE(*) FOR MOTORCYCLE RIDERS							
ALL RIDERS							
OCCUPANT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
DRIVERS	50	42	43	43	16	16	19
PASSENGERS	40	32	37	36	11	8	25
ALL	48	41	42	41	17	14	17

TABLE 44							
HELMET USAGE RATE(*) FOR MOTORCYCLE RIDERS							
FATALLY INJURED RIDERS							
OCCUPANT TYPE	TOTALS				PERCENT CHANGE		
	1990	1989	1983	1980	80 to 90	83 to 90	89 to 90
DRIVERS	50	43	43	43	16	16	16
PASSENGERS	40	28	36	34	18	11	43
ALL	49	42	42	42	17	17	17

(*) USAGE RATE IS THE PERCENT OF PEOPLE USING THE HELMETS AMONG ALL PEOPLE FOR WHOM THE USAGE IS KNOWN