

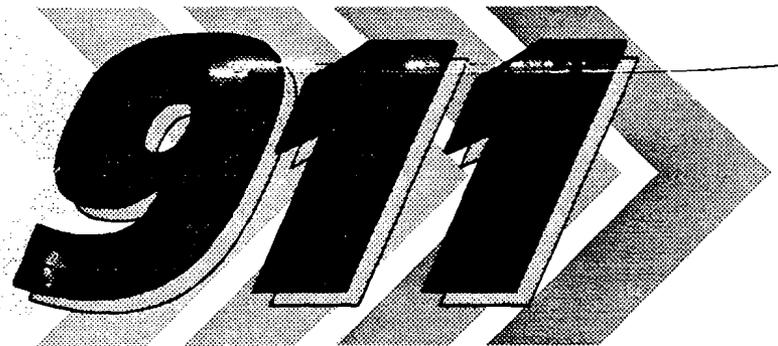
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**Pennsylvania
Crash
Facts
and
Statistics**



1993

INTRODUCTION

The **1993 TRAFFIC CRASH FACTS AND STATISTICS** is a report published by the Bureau of Highway Safety and Traffic Engineering of the Pennsylvania Department of Transportation.

This publication is a statistical review of reportable motor vehicle traffic crashes in the Commonwealth of Pennsylvania for the calendar year 1993. The figures are compiled from the traffic crash reports that are submitted to the Pennsylvania Department of Transportation by state, county, municipal and other law enforcement agencies, as specified in the Pennsylvania Vehicle Code (75 Pa. C.S., Chapter 37C).

Specific questions regarding data presented in this report should be addressed to:

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Harrisburg, Pennsylvania 17105-2047
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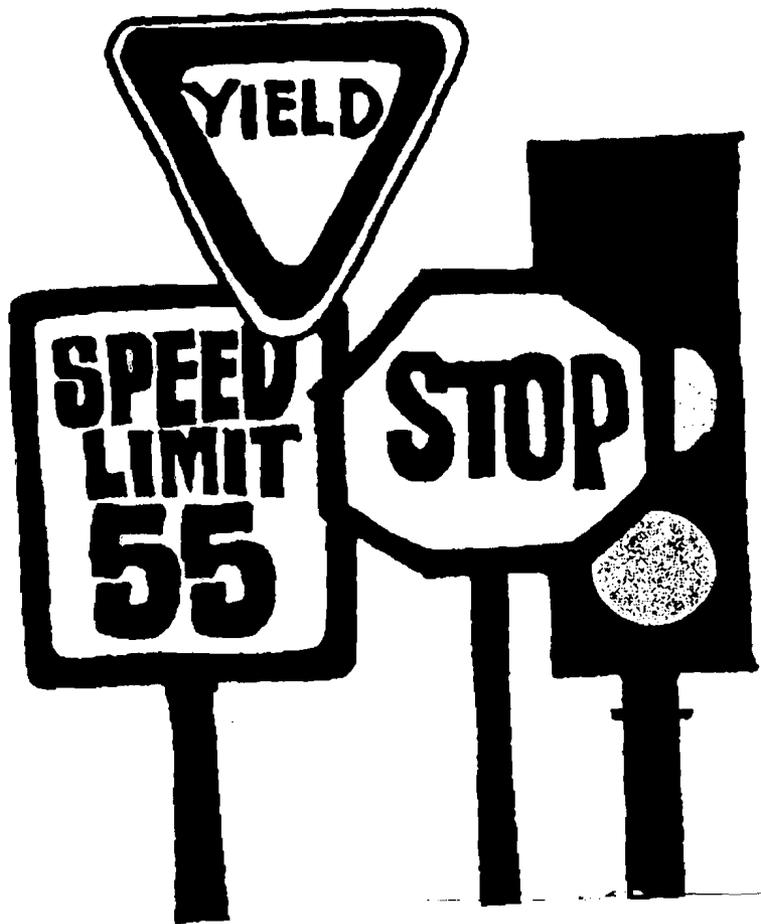
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HIGHLIGHTS

1993

During 1993 calendar year there were 134,315 **reportable** crashes in the Commonwealth of Pennsylvania involving the deaths of 1,530 persons and injury to another 131,503 persons. A total of 225,759 vehicles and 344,442 persons (including 225,099 drivers) were involved.

The estimated cost to society of these crashes was about \$4.333 **BILLION** or approximately \$359.68 for every one of Pennsylvania's over 12 million residents.

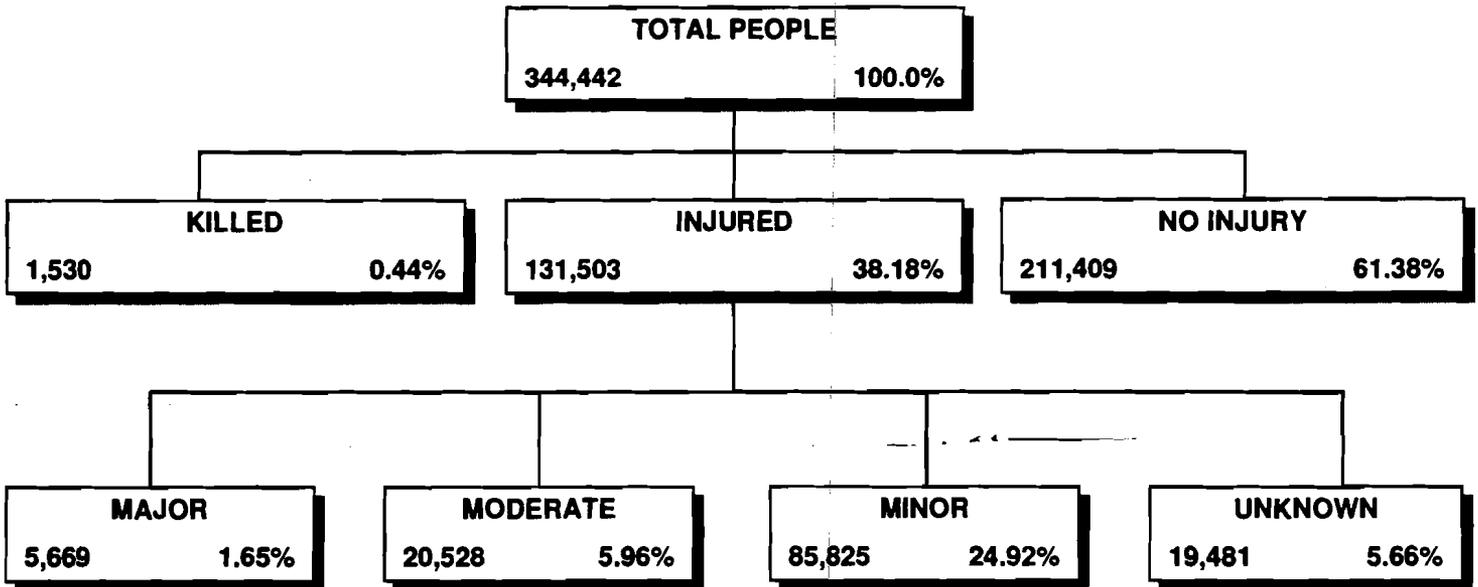
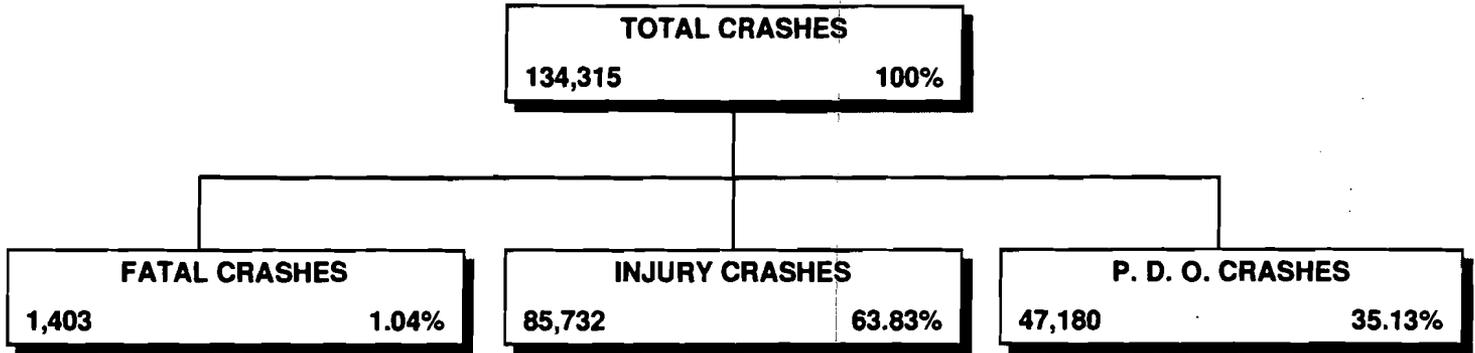
During 1993, there were approximately 90.825 **BILLION** vehicle miles of travel on Pennsylvania's 116,688 miles of maintained road. The 1993 fatality rate of 1.68 killed per hundred million vehicle miles was the lowest ever recorded in Pennsylvania.,

ON AVERAGE:

- There was a reportable traffic crash every 3.9 minutes in the Commonwealth.
- There were 4.2 persons killed each day or about one every 5.7 hours.
- There were 360.3 persons injured each day or about one every 4.0 minutes.
- One out of every 41.7 licensed drivers was involved in a reportable traffic crash.
- One out of every 44.9 registered vehicles was involved in a reportable traffic crash.
- 62.7% of drivers in all crashes and 76.7% of drivers in fatal crashes were **MALE**.
- 62.0% of all crashes happened in daylight conditions, but 53.3% of fatal crashes happened during dark hours.
- 50.4% of fatal crashes happened on weekends (Friday, Saturday and Sunday) with Friday and Saturday each with the high day of 17.3% of the fatal crashes.
- The two worst times for fatal crashes were between 3 P.M. and 8 P.M. and between 10 P.M. and 3 A.M. each with 26.7% of the fatalities.
- 74.4% of all crashes occurred under no adverse weather conditions and 67.6% of all crashes occurred on dry road surfaces.
- 9.8% of all crashes and **39.0% of the FATAL crashes involved alcohol.**

1993

TOTAL CRASHES BY CRASH SEVERITY



1993 OPERATOR-VEHICLE-ROAD DATA

8,058,948	LICENSED OPERATORS
9,044,901	REGISTERED MOTOR VEHICLES
12,048,000	POPULATION OF THE COMMONWEALTH OF PENNSYLVANIA (Estimated)
116,688	MAINTAINED MILES OF ROAD (1991 DATA)
	STATE.....40,658
	LOCAL.....71,227
	TURNPIKE.....474
	OTHER.....4,329

90.825 BILLION VEHICLE MILES DRIVEN

	STATE HIGHWAYS	INTERSTATES	TURNPIKE	LOCAL & OTHER
Crashes	85,090	7,063	1,479	40,684
Persons Killed.....	1,160	102	18	250
Persons Injured	85,101	6,097	1,012	39,293
Vehicle Miles Traveled (million vehicle miles).....	56,776	12,975	4,274	16,800
Crashes/100 Million Vehicle Miles	149.87	54.43	34.60	242.17
Persons Killed 100 Million Vehicle Miles	2.04	0.79	0.42	1.49
Persons Injured/ 100 Million Vehicle Miles	149.89	46.99	23.68	233.89

1993 ECONOMIC LOSS DUE TO REPORTABLE TRAFFIC CRASHES

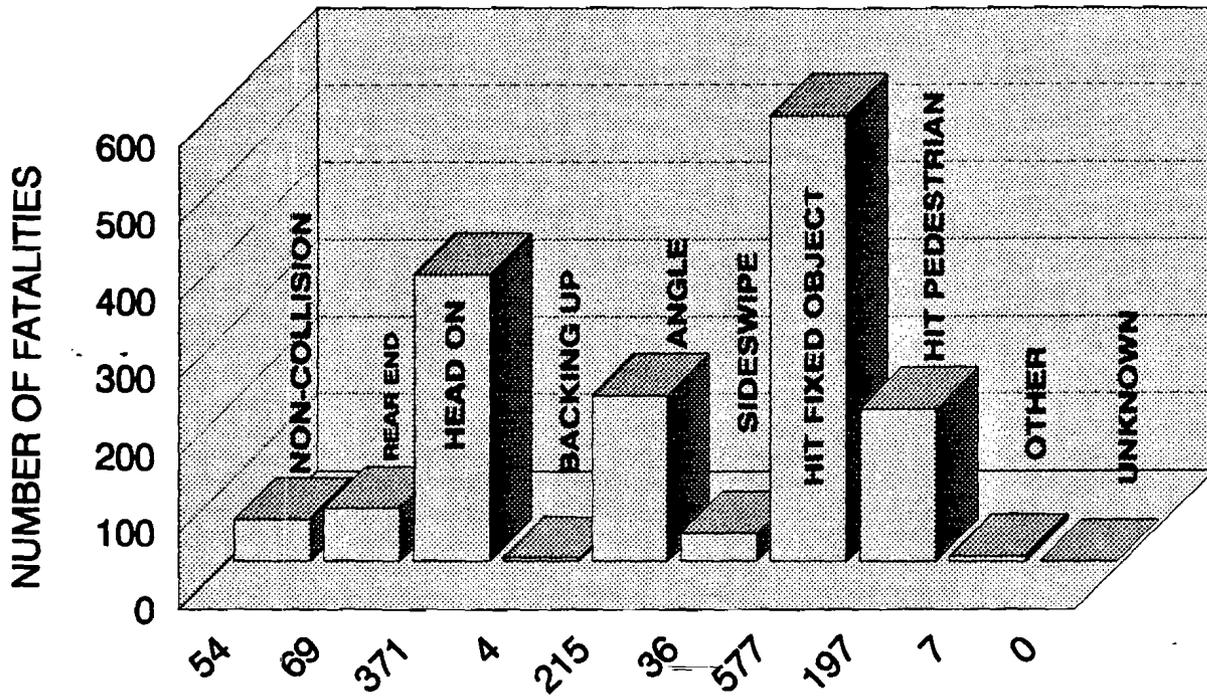
SEVERITY	NUMBER	AVERAGE* COSTS	ESTIMATED COSTS
FATALITIES	1,530	\$1,259,544.00	\$1,927,102,320
INJURIES			
MAJOR	5,669	\$310,440.00	\$1,759,884,360
MODERATE	20,528	\$10,062.00	\$206,552,736
MINOR	105,306	\$3,284.00	\$345,824,904
PROPERTY DAMAGE ONLY CRASHES	47,180	\$1,994.00	\$94,076,920
TOTAL			\$4,333,441,240

THE ECONOMIC LOSS TO EVERY MAN, WOMAN AND CHILD IN PA IN 1993 WAS \$359.68

* Figures based upon the latest FHWA estimates.

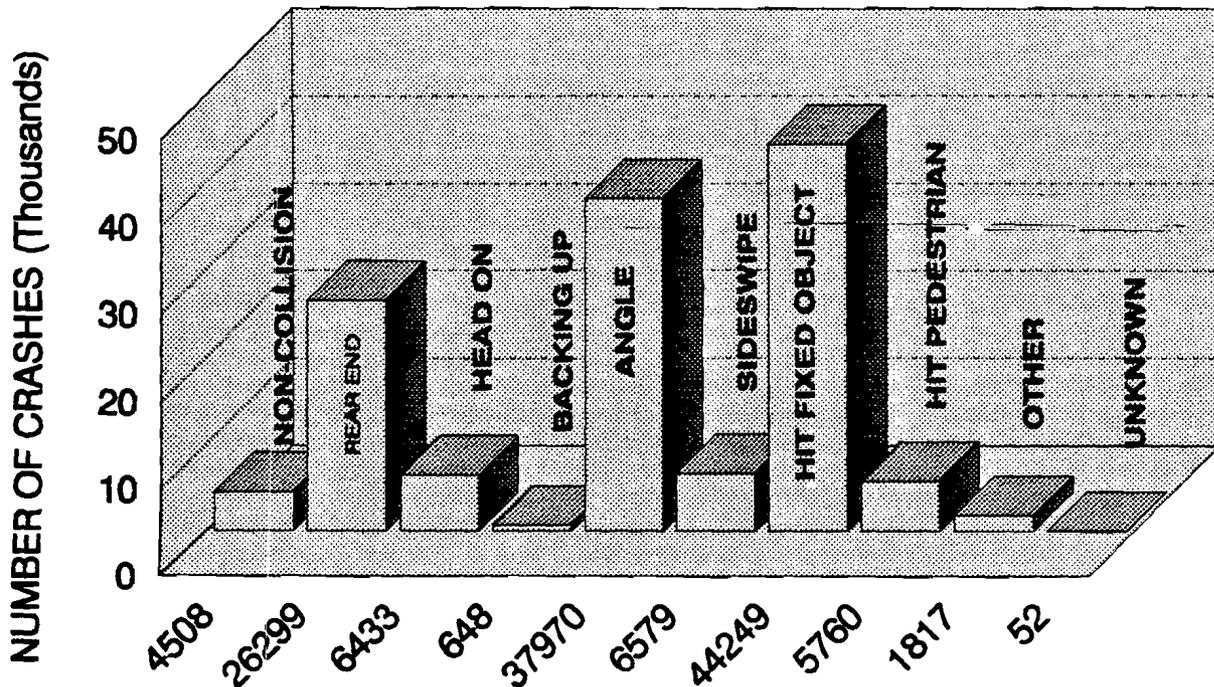
1993 FATALITIES

BY CRASH TYPE



1993 TOTAL CRASHES

BY CRASH TYPE





II. TRENDS

PA CRASH FACTS

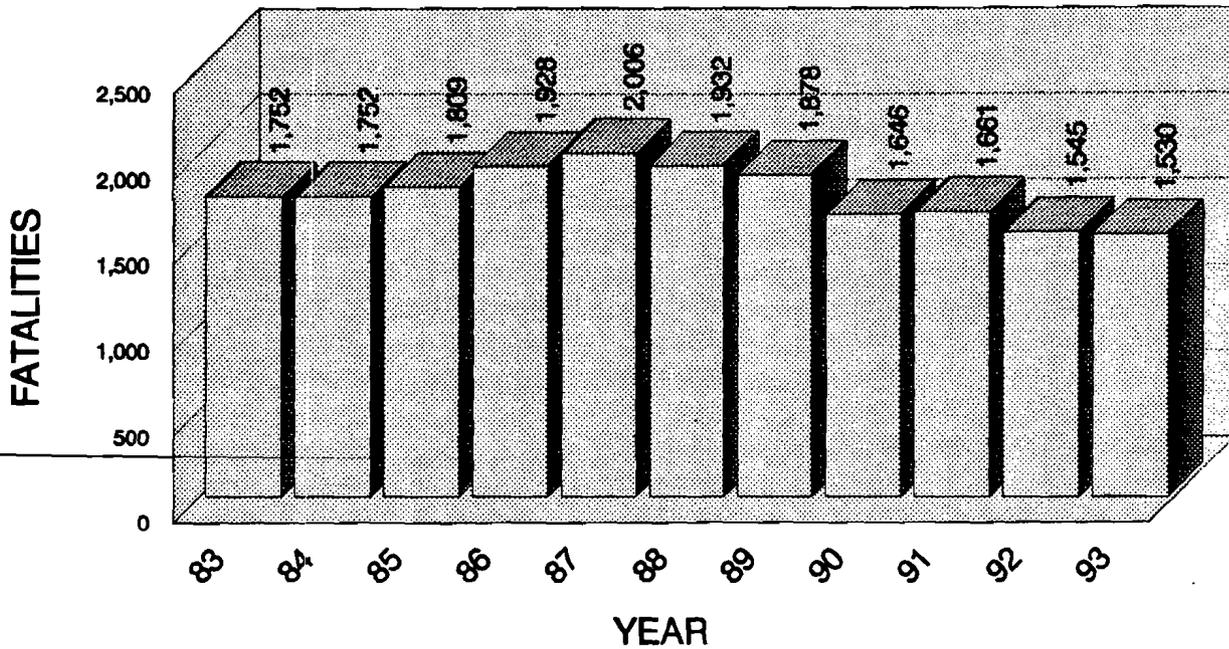
	1989	1990	1991	1992	1993
REPORTED CRASHES	151,461	141,340	130,404	133,913	134,315
TOTAL KILLED	1,878	1,646	1,661	1,545	1,530
TOTAL INJURED	152,589	142,945	130,466	133,113	131,503
MAJOR	7,551	6,938	6,296	6,191	5,669
MODERATE	8,402	26,510	20,695	20,276	20,528
MINOR	94,919	84,060	79,871	84,982	85,825
UNKNOWN	21,717	25,437	23,584	21,644	19,481
PEDESTRIANS KILLED	251	267	234	231	214
PEDESTRIANS INJURED	6,769	6,684	6,282	6,580	6,154
MOTORCYCLISTS KILLED	113	109	109	90	113
MOTORCYCLISTS INJURED	3,159	3,495	3,326	2,675	2,811
PEDALCYCLISTS KILLED	27	27	18	12	23
PEDALCYCLISTS INJURED	2,641	2,598	2,685	2,659	2,628
TRUCK RELATED FATALITIES	283	214	214	181	200
ALCOHOL RELATED FATALITIES	825	737	681	628	596
BILLIONS OF VEHICLE MILES	84.5	85.7	87.3	89.0	90.8
DEATHS PER 100 MILLION VEHICLE MILES	2.22	1.92	1.90	1.74	1.68
INJURIES PER 100 MILLION VEHICLE MILES	180.50	166.78	149.48	149.64	144.79

HISTORICAL TRENDS -- HIGHWAY CRASH STATISTICS

YEAR	TOTAL CRASHES	TOTAL KILLED	TOTAL INJURED	REGISTERED VEHICLES	MTR. VEHICLE MILEAGE (Billion)	PA FATALITY RATE (Per 100 Million)	US FATALITY RATE (Vehicle Miles)
1928	27,082	2,080	20,223	1,713,920	-	-	-
1929	43,776	2,331	35,648	1,829,685	-	-	-
1930	47,917	2,566	99,793	1,843,539	-	-	-
1931	46,588	2,503	40,800	1,826,736	-	-	-
1932	41,004	2,131	41,836	1,750,664	-	-	-
1933	45,374	2,279	47,908	1,716,104	-	-	-
1934	52,157	2,535	51,847	1,791,870	-	-	-
1935	50,436	2,361	48,398	1,851,945	11.1	21.3	15.9
1936	55,727	2,426	50,854	1,989,507	12.6	19.2	15.1
1937	73,534	2,564	61,445	2,124,525	17.6	14.6	14.7
1938	63,153	1,892	50,598	2,101,299	16.3	11.6	12.0
1939	69,950	1,871	55,821	2,237,960	18.5	10.1	11.3
1940	78,625	2,074	58,664	2,307,723	19.8	10.5	11.4
1941	83,507	2,298	60,499	2,432,319	21.3	10.8	12.0
1942	59,280	1,745	41,122	2,267,301	17.6	9.9	10.6
1943	37,419	1,374	27,312	2,084,332	13.9	9.9	11.5
1944	42,699	1,328	29,928	2,010,163	14.4	9.2	11.5
1945	53,304	1,453	35,686	2,145,452	16.0	9.1	11.3
1946	70,065	1,794	45,889	2,387,542	22.1	8.1	9.8
1947	89,190	1,678	49,938	2,604,741	22.4	7.5	8.8
1948	103,478	1,671	52,709	2,804,056	23.9	7.0	8.1
1949	102,098	1,624	54,290	2,993,903	25.8	6.3	7.5
1950	113,748	1,624	62,103	3,262,243	27.1	6.0	7.6
1951	123,088	1,642	65,643	3,413,836	28.8	5.7	7.1
1952	126,820	1,680	67,134	3,510,064	30.5	5.5	7.1
1953	129,791	1,643	70,531	3,684,468	31.6	5.2	6.7
1954	130,326	1,538	68,571	3,803,917	32.0	4.8	6.1
1955	147,837	1,737	76,836	4,045,995	34.5	5.0	6.1
1956	160,371	1,790	84,813	4,175,217	36.5	4.9	6.1
1957	161,080	1,698	84,755	4,250,576	37.7	4.5	5.8
1958	156,825	1,654	86,733	4,355,813	38.5	4.3	5.4
1959	157,191	1,685	90,807	4,507,262	39.2	4.3	5.4
1960	159,051	1,609	82,792	4,707,055	40.2	4.0	5.3
1961	156,559	1,486	73,997	4,842,400	40.2	3.7	5.2
1962	161,557	1,625	81,936	4,849,400	41.7	3.9	5.3
1963	174,527	1,830	86,892	5,117,229	44.6	4.1	5.5
1964	183,910	1,889	93,564	5,351,350	46.1	4.1	5.7
1965	213,769	2,079	111,123	5,436,349	48.3	4.3	5.6
1966	254,450	2,180	116,537	5,497,000	51.1	4.27	5.70
1967	243,798	2,331	126,417	5,673,000	53.4	4.37	5.50
1968	279,663	2,410	138,389	5,791,000	56.1	4.29	5.40
1969	292,192	2,401	141,728	5,879,000	58.6	4.10	5.21
1970	311,981	2,255	136,518	5,947,000	56.7	3.98	4.88
1971	301,374	2,299	127,318	6,079,000	60.9	3.78	4.57
1972	277,556	2,352	135,938	6,244,000	67.0	3.51	4.43
1973	307,648	2,444	145,452	7,007,192	66.5	3.67	4.24
1974	277,271	2,155	132,689	8,354,063	63.9	3.37	3.59
1975	288,245	2,082	134,969	8,654,333	63.7	3.27	3.45
1976	303,774	2,025	135,308	9,124,915	69.4	2.92	3.33
1977	243,702	2,071	148,725	8,833,745	72.3	2.87	3.35
1978	158,361	2,137	146,403	7,254,893	72.7	2.94	3.39
1979	156,622	2,204	144,300	7,451,021	70.3	3.14	3.50
1980	142,489	2,114	133,716	7,307,974	71.3	2.96	3.50
1981	138,764	2,049	131,301	7,252,836	71.5	2.87	3.30
1982	131,579	1,848	126,026	7,417,311	71.3	2.59	2.88
1983	131,081	1,752	126,707	7,562,726	72.3	2.42	2.69
1984	139,914	1,752	134,714	7,724,686	74.1	2.36	2.68
1985	143,244	1,809	140,067	7,860,497	75.6	2.39	2.48
1986	150,683	1,928	148,044	7,793,921	77.2	2.50	2.48
1987	152,631	2,006	151,457	8,313,799	78.9	2.54	2.40
1988	152,906	1,932	154,018	8,452,365	81.3	2.38	2.32
1989	151,461	1,878	152,589	8,605,747	84.5	2.22	2.20
1990	141,340	1,646	142,945	8,675,835	85.7	1.92	2.10
1991	130,404	1,661	130,446	8,757,129	87.3	1.90	1.90
1992	133,913	1,545	133,113	8,915,621	89.0	1.74	1.80
1993	134,315	1,530	131,503	9,044,901	90.8	1.68	-

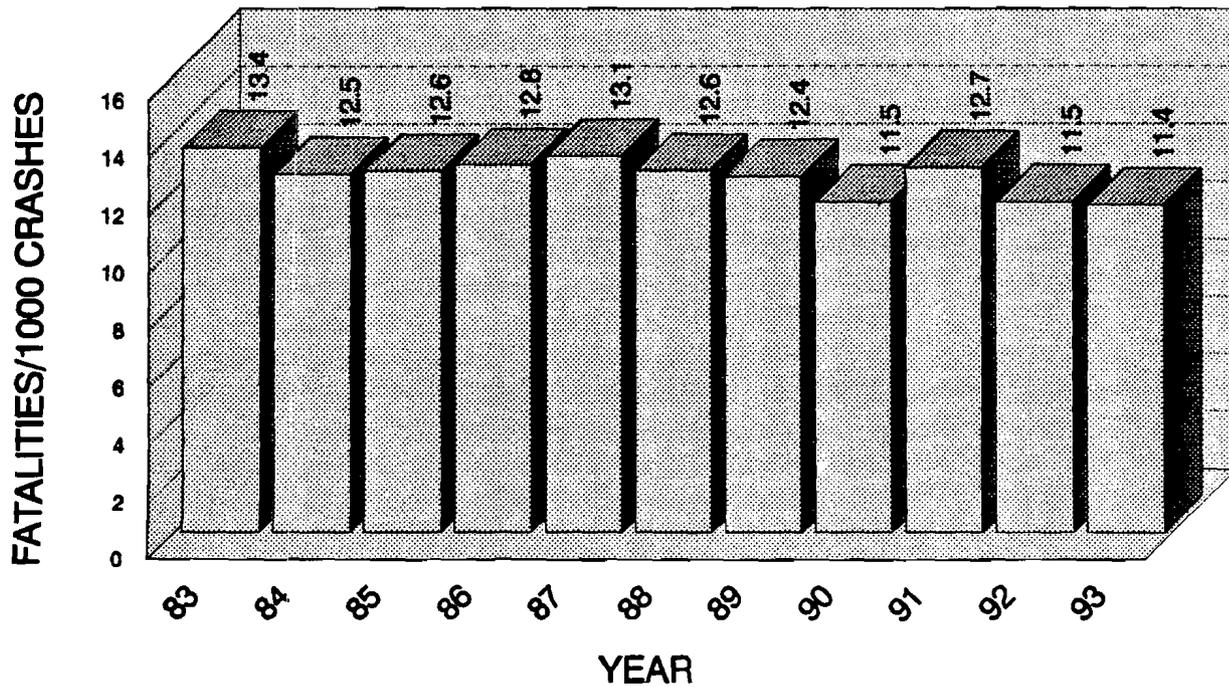
HIGHWAY FATALITIES

1983 - 1993



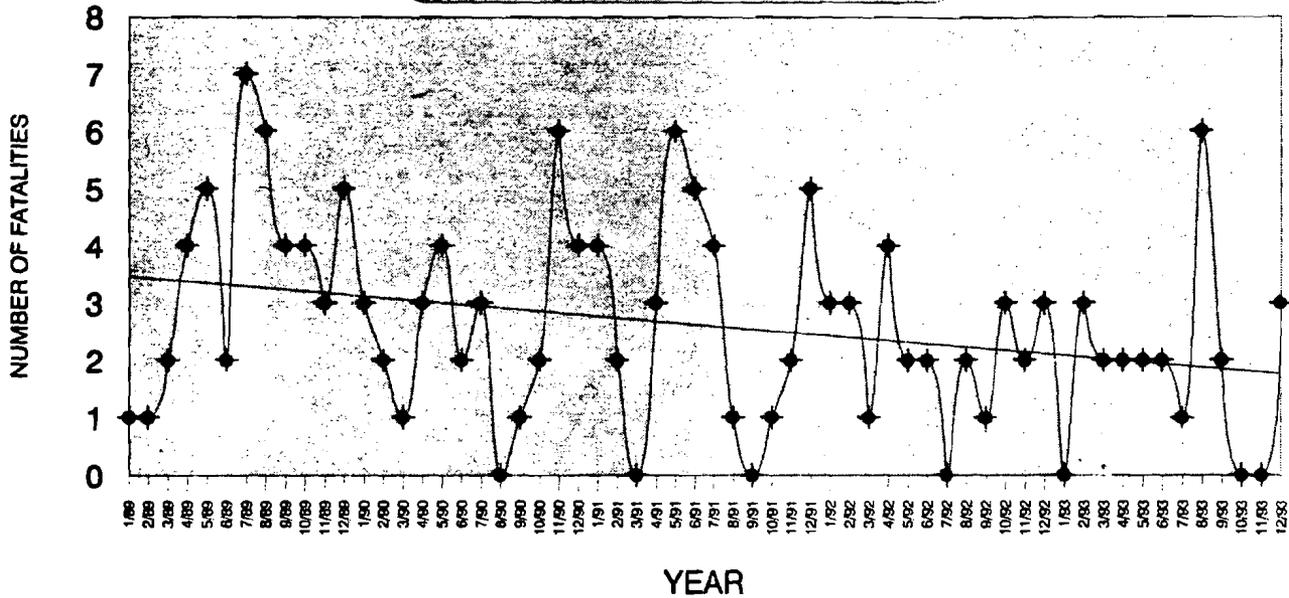
FATALITIES PER 1,000 CRASHES

1983 - 1993



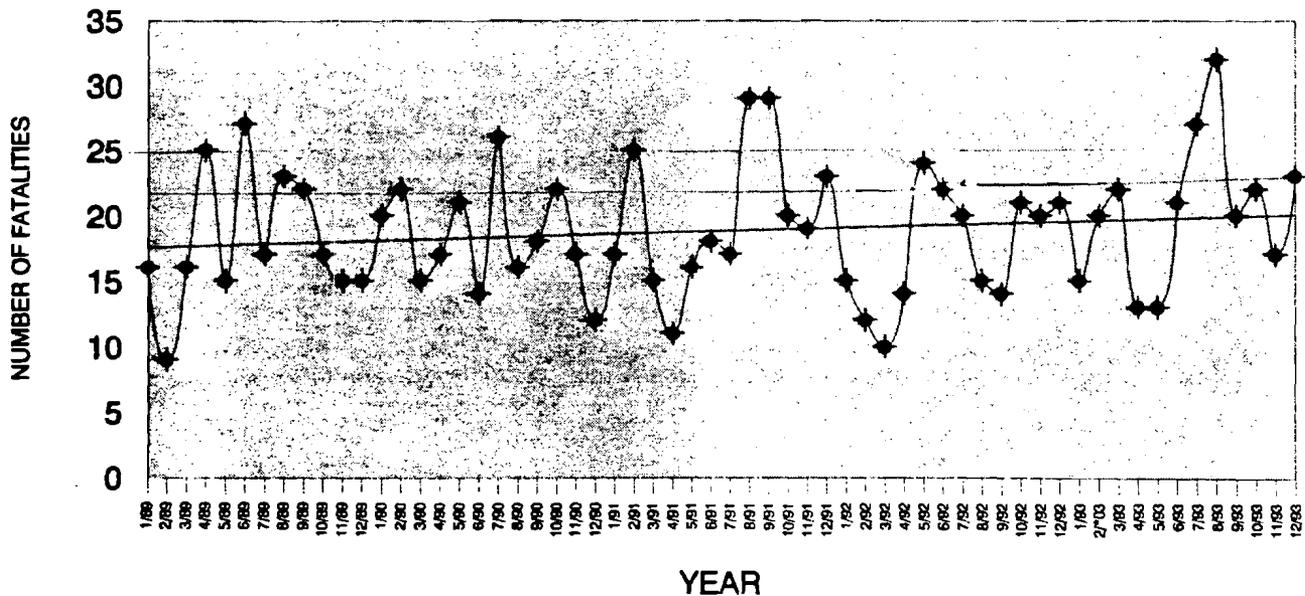
HEAVY TRUCK FATALITIES BY MONTH 1989 - 1993

Annual Growth Rate -4.97 Fatalities/Year



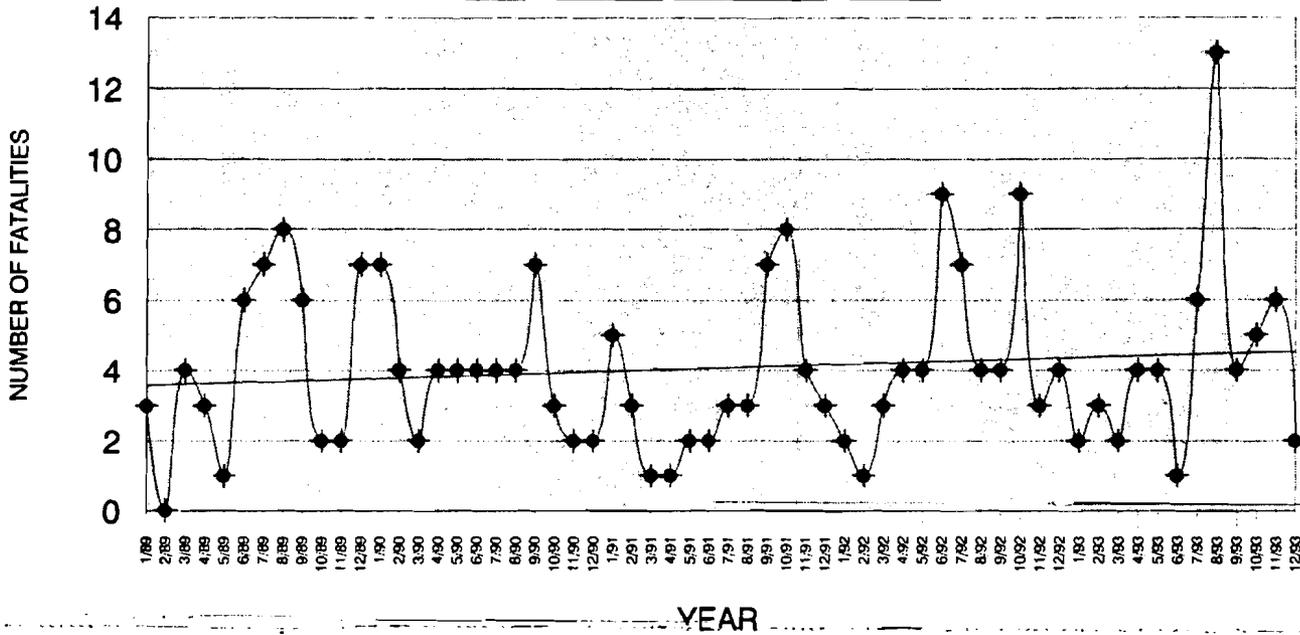
LIGHT TRUCK FATALITIES BY MONTH 1989 - 1993

Annual Growth Rate 4.73 Fatalities/Year



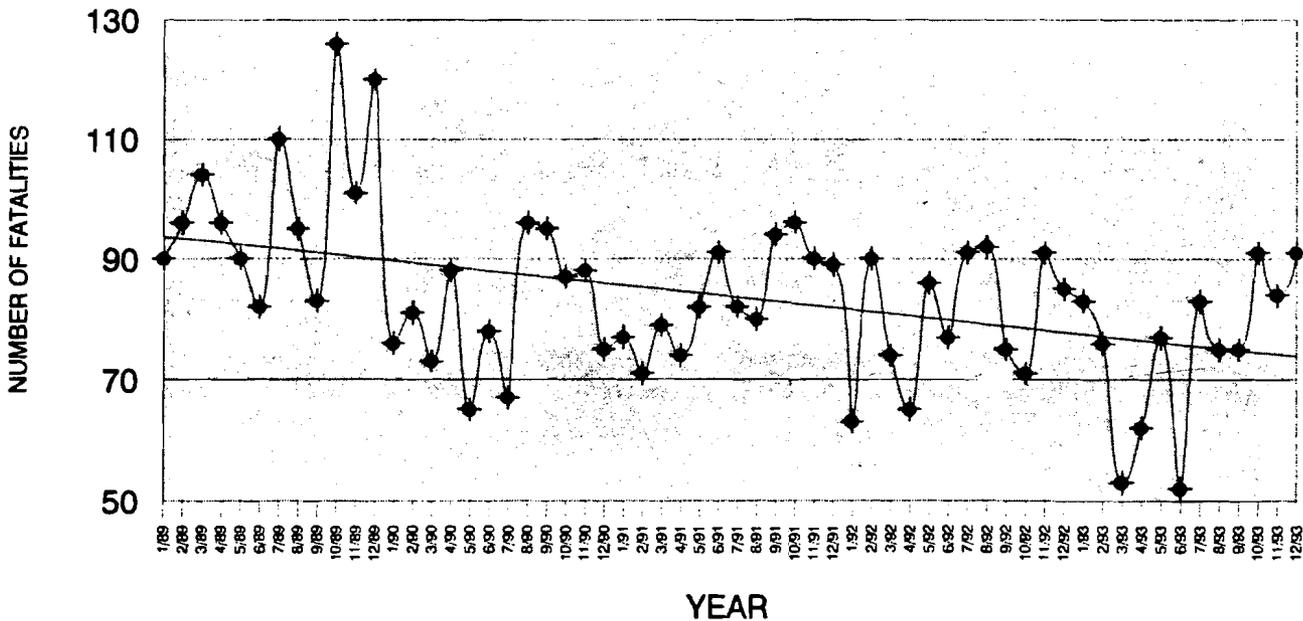
VAN-TYPE VEHICLE FATALITIES BY MONTH 1989 - 1993

Annual Growth Rate +1.34 Fatalities/Year



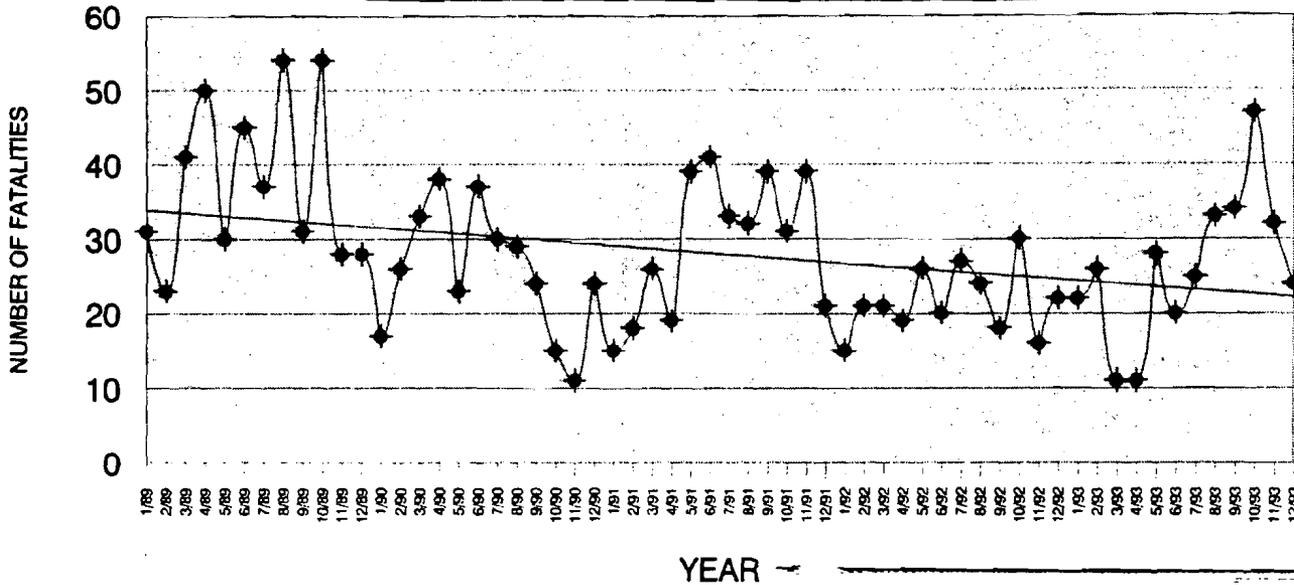
PASSENGER CAR FATALITIES BY MONTH 1989 - 1993

Annual Growth Rate -2.62 Fatalities/Year



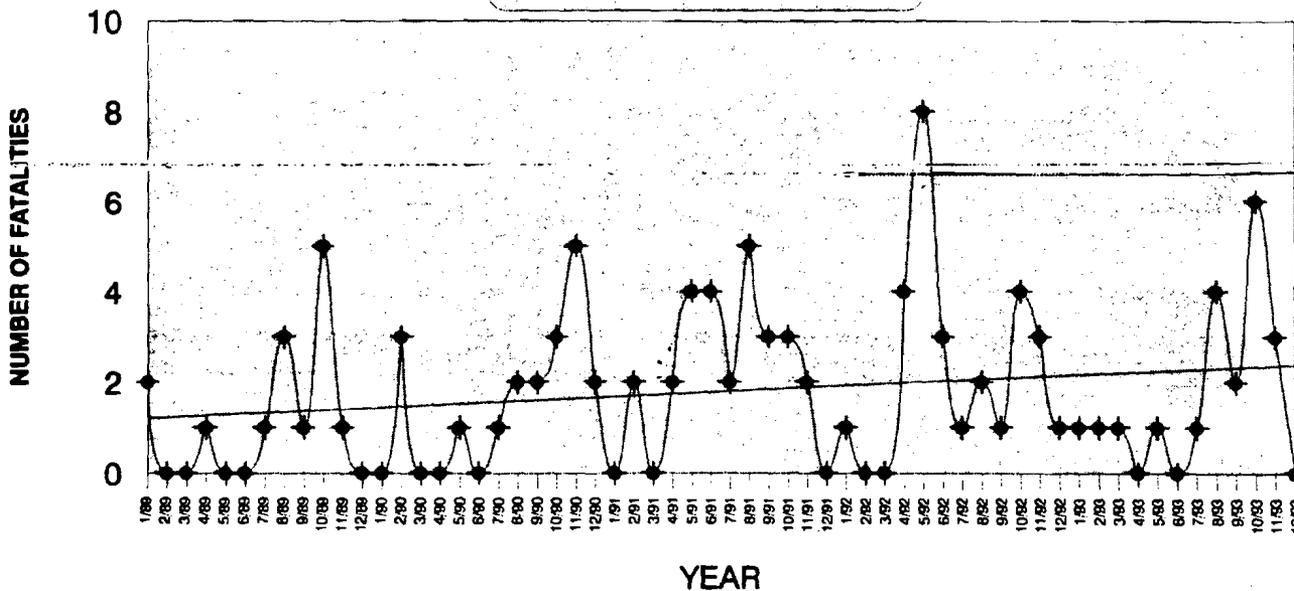
SPEEDING FATALITIES BY MONTH 1989 - 1993

Annual Growth Rate -35.21 Fatalities/Year

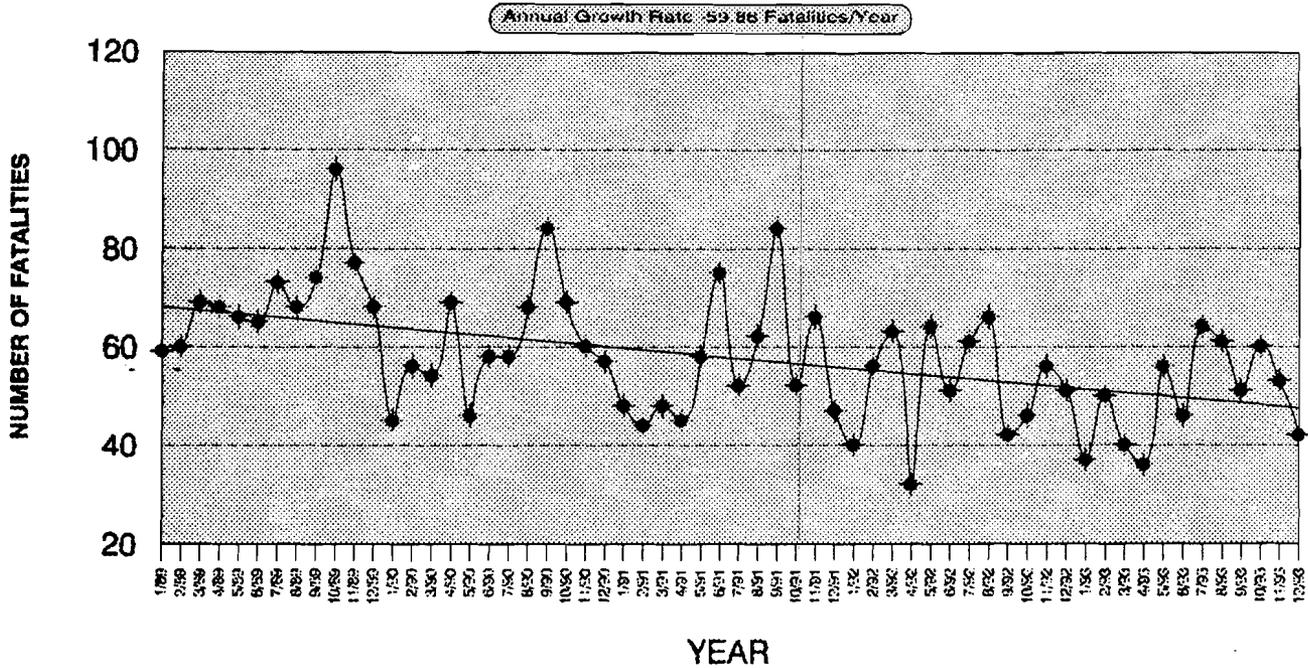


TAILGATING FATALITIES BY MONTH 1989 - 1993

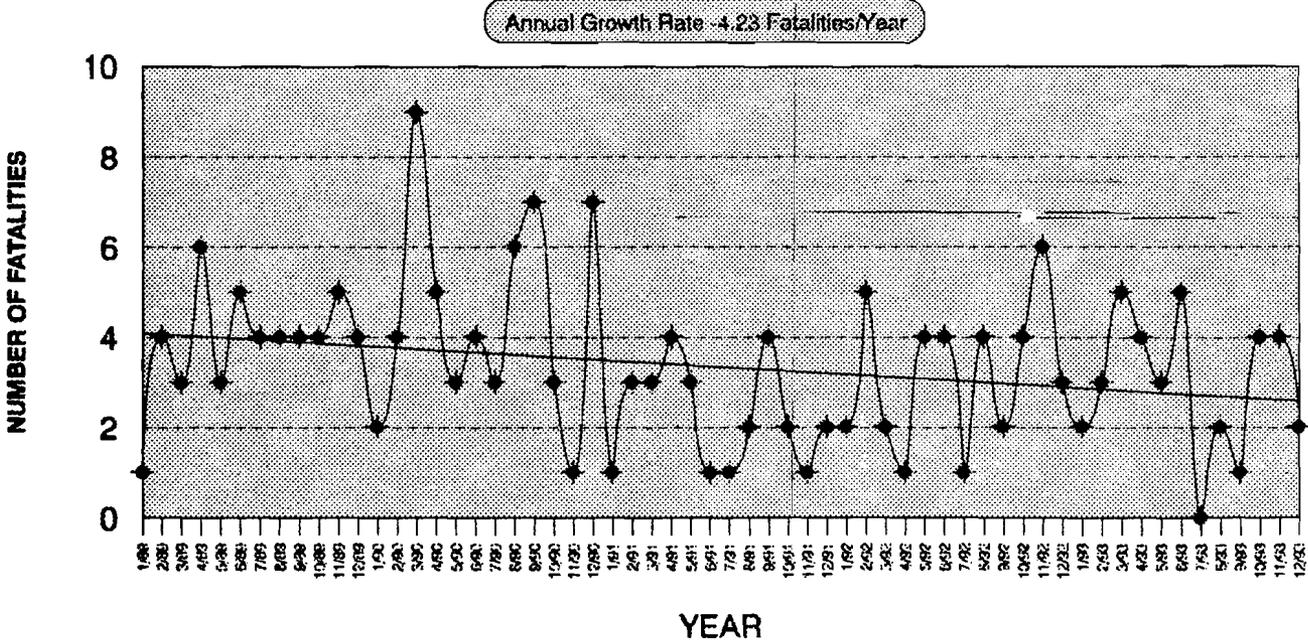
Annual Growth Rate 1.96 Fatalities/Year

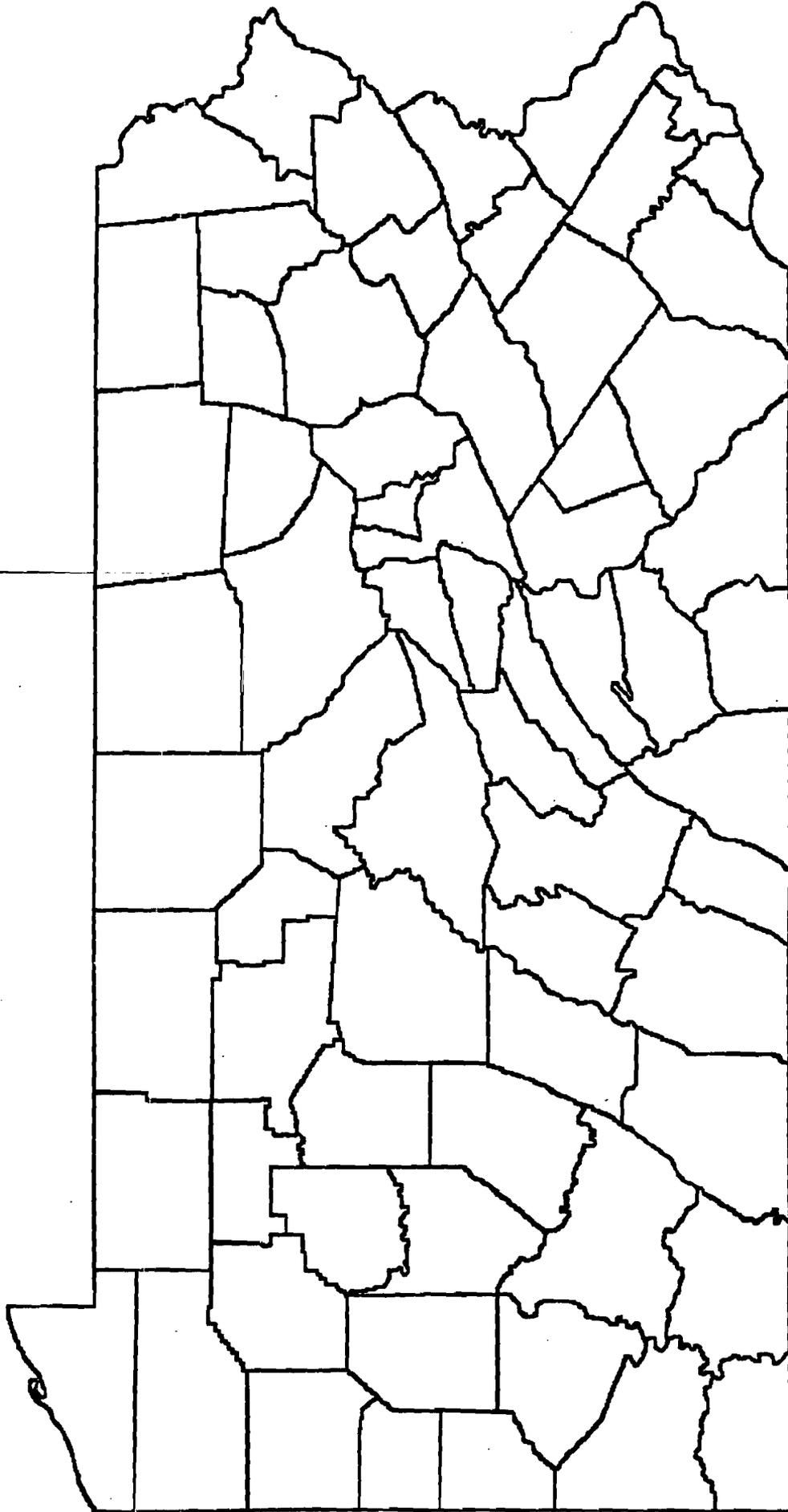


ALCOHOL RELATED FATALITIES BY MONTH 1989 - 1993



HIT & RUN FATALITIES BY MONTH 1989 - 1993





III. GEOGRAPHIC INFORMATION

1993 PENNSYLVANIA CRASHES BY COUNTY

COUNTY	FATAL CRASHES	INJURY CRASHES	P.D.O. CRASHES	TOTAL CRASHES
ADAMS	19	533	397	949
ALLEGHENY	79	8,380	4,906	13,365
ARMSTRONG	9	432	265	706
BEAVER	16	1,095	669	1,780
BEDFORD	11	367	259	637
BERKS	40	2,723	2,015	4,788
BLAIR	14	1,112	609	1,735
BRADFORD	8	389	240	637
BUCKS	60	4,413	2,399	6,872
BUTLER	24	1,165	742	1,931
CAMBRIA	14	1,046	483	1,543
CAMERON	4	34	25	63
CARBON	11	436	318	765
CENTRE	12	735	490	1,237
CHESTER	45	2,721	2,009	4,775
CLARION	12	355	210	577
CLEARFIELD	19	592	369	980
CLINTON	4	287	186	477
COLUMBIA	11	428	269	708
CRAWFORD	10	668	403	1,081
CUMBERLAND	24	1,423	1,004	2,451
DAUPHIN	27	1,882	1,209	3,118
DELAWARE	36	3,596	1,779	5,411
ELK	5	269	156	430
ERIE	30	2,228	1,090	3,348
FAYETTE	31	1,012	552	1,595
FOREST	1	61	25	87
FRANKLIN	19	920	696	1,635
FULTON	7	147	127	281
GREENE	12	272	190	474
HUNTINGDON	7	266	178	451
INDIANA	20	572	346	938
JEFFERSON	8	349	190	547
JUNIATA	7	134	72	213
LACKAWANNA	19	1,345	724	2,088
LANCASTER	53	3,172	1,911	5,136
LAWRENCE	7	706	370	1,083
LEBANON	17	849	532	1,398
LEHIGH	32	2,515	1,529	4,076
LUZERNE	43	2,429	1,262	3,734
LYCOMING	14	848	494	1,356
McKEAN	11	281	221	513
MERCER	19	966	523	1,508
MIFFLIN	11	301	161	473
MONROE	23	1,138	756	1,917
MONTGOMERY	57	5,925	3,233	9,215
MONTOUR	2	124	86	212
NORTHAMPTON	23	1,696	1,110	2,829
NORTHUMBERLAND	18	500	322	840
PERRY	12	293	205	510
PIKE	8	299	215	522
POTTER	6	117	96	219
SCHUYLKILL	27	993	628	1,648
SNYDER	4	201	186	391
SOMERSET	16	525	308	849
SULLIVAN	3	57	46	106
SUSQUEHANNA	9	283	177	469
TIOGA	15	252	169	436
UNION	7	207	159	373
VENANGO	10	497	251	758
WARREN	6	295	251	552
WASHINGTON	34	1,266	888	2,188
WAYNE	8	314	200	522
WESTMORELAND	53	2,630	1,518	4,201
WYOMING	6	243	158	407
YORK	36	2,923	1,604	4,563
PHILADELPHIA	128	10,500	2,010	12,638
TOTAL	1,403	85,732	47,180	134,315

1989-1993 CRASHES BY COUNTY

COUNTY	1989 CRASHES	1990 CRASHES	1991 CRASHES	1992 CRASHES	1993 CRASHES	ANNUAL GROWTH IN CRASHES	PERCENT CHANGE 92-93
ADAMS	1,046	974	886	914	949	-25.91	3.6
ALLEGHENY	13,979	13,112	12,588	13,226	13,365	-119.10	0.9
ARMSTRONG	772	731	648	677	706	-19.03	4.1
BEAVER	1,880	1,774	1,608	1,816	1,780	-16.68	-2.4
BEDFORD	763	714	581	599	637	-41.36	6.2
BERKS	5,264	5,074	4,439	4,838	4,788	-128.79	-1.1
BLAIR	1,786	1,702	1,519	1,742	1,735	-9.57	-0.5
BRADFORD	786	680	677	638	637	-35.27	-0.2
BUCKS	8,169	7,368	6,751	6,807	6,872	-335.52	0.7
BUTLER	2,095	1,812	1,912	1,955	1,931	-21.93	-1.3
CAMBRIA	1,332	1,166	1,368	1,487	1,543	-13.05	2.3
CAMERON	90	80	86	76	63	-5.60	-17.1
CARBON	906	784	754	755	765	-32.78	1.3
CENTRE	1,389	1,220	1,192	1,194	1,237	-34.60	3.2
CHESTER	5,893	5,607	4,863	4,680	4,775	-322.37	2.0
CLARION	520	483	552	532	577	16.24	8.5
CLEARFIELD	1,264	1,034	1,024	901	980	-73.35	8.8
CLINTON	509	424	434	458	477	-3.84	4.1
COLUMBIA	820	788	684	729	708	-29.19	-2.9
CRAWFORD	1,154	1,053	1,077	1,068	1,081	-13.44	0.8
CUMBERLAND	2,581	2,375	2,112	2,271	2,451	-37.03	7.8
DAUPHIN	3,650	3,387	2,986	3,123	3,118	-136.23	-0.5
DELAWARE	6,505	5,868	5,196	5,225	5,411	-293.24	3.3
ELK	413	354	365	402	430	7.90	7.0
ERIE	3,544	3,314	3,218	3,230	3,348	-49.02	3.6
FAYETTE	1,740	1,741	1,605	1,615	1,595	-40.78	-1.9
FOREST	95	83	81	82	87	-1.81	6.1
FRANKLIN	1,781	1,793	1,551	1,543	1,635	-54.58	5.9
FULTON	326	261	225	262	281	-9.97	6.8
GREENE	514	476	445	498	474	-5.91	-5.0
HUNTINGDON	547	552	475	470	451	-27.63	-4.0
INDIANA	1,097	958	933	993	938	-29.88	-5.5
JEFFERSON	565	557	543	530	547	-6.29	3.0
JUNIATA	237	231	204	209	213	-7.12	1.9
LACKAWANNA	2,802	2,532	2,384	2,262	2,088	-182.07	-8.1
LANCASTER	5,654	5,399	4,844	5,193	5,136	-127.64	-1.1
LAWRENCE	1,040	972	970	1,028	1,083	15.30	4.0
LEBANON	1,483	1,488	1,409	1,481	1,398	-20.70	-5.5
LEHIGH	4,822	4,274	3,989	4,060	4,076	-176.95	0.3
LUZERNE	4,172	3,922	3,726	3,639	3,734	-120.24	2.5
LYCOMING	1,513	1,455	1,390	1,354	1,356	-42.27	-0.1
McKEAN	506	446	427	444	513	1.41	14.8
MERCER	1,527	1,446	1,471	1,590	1,508	11.03	-5.2
MIFFLIN	579	527	522	494	473	-24.64	-4.4
MONROE	2,235	2,007	1,942	1,926	1,917	-74.02	-0.7
MONTGOMERY	10,461	9,601	8,419	9,121	9,215	-302.26	1.0
MONTOUR	223	227	224	251	212	0.33	-15.2
NORTHAMPTON	3,128	2,956	2,632	2,769	2,829	-80.49	1.9
NORTHUMBERLAND	959	829	787	784	840	-29.81	6.9
PERRY	640	576	492	507	510	-34.34	0.6
PIKE	627	573	477	496	522	-29.78	5.2
POTTER	212	203	222	215	219	2.46	1.9
SCHUYLKILL	1,883	1,727	1,595	1,670	1,648	-57.11	-1.3
SNYDER	461	448	389	399	391	-19.51	-2.3
SOMERSET	964	817	808	878	849	-18.81	-3.4
SULLIVAN	95	104	119	108	106	2.45	-1.9
SUSQUEHANNA	467	445	445	467	469	2.36	0.4
TIOGA	517	465	432	432	436	-20.14	0.7
UNION	452	453	383	368	373	-24.58	1.4
VENANGO	810	763	805	730	758	-13.88	4.1
WARREN	563	452	506	529	552	3.81	4.2
WASHINGTON	2,531	2,348	2,066	2,291	2,188	-85.35	-5.0
WAYNE	585	565	549	549	522	-14.18	-5.3
WESTMORELAND	4,831	4,471	4,229	4,221	4,201	-154.12	-0.6
WYOMING	466	423	406	377	407	-16.57	7.7
YORK	5,219	4,832	4,443	4,430	4,563	-176.63	2.9
PHILADELPHIA	15,023	15,069	13,326	13,305	12,638	-676.00	-5.5
TOTAL	151,461	141,340	130,410	133,913	134,315		

1993 FATALITY AND INJURY RATES/10,000 POPULATION

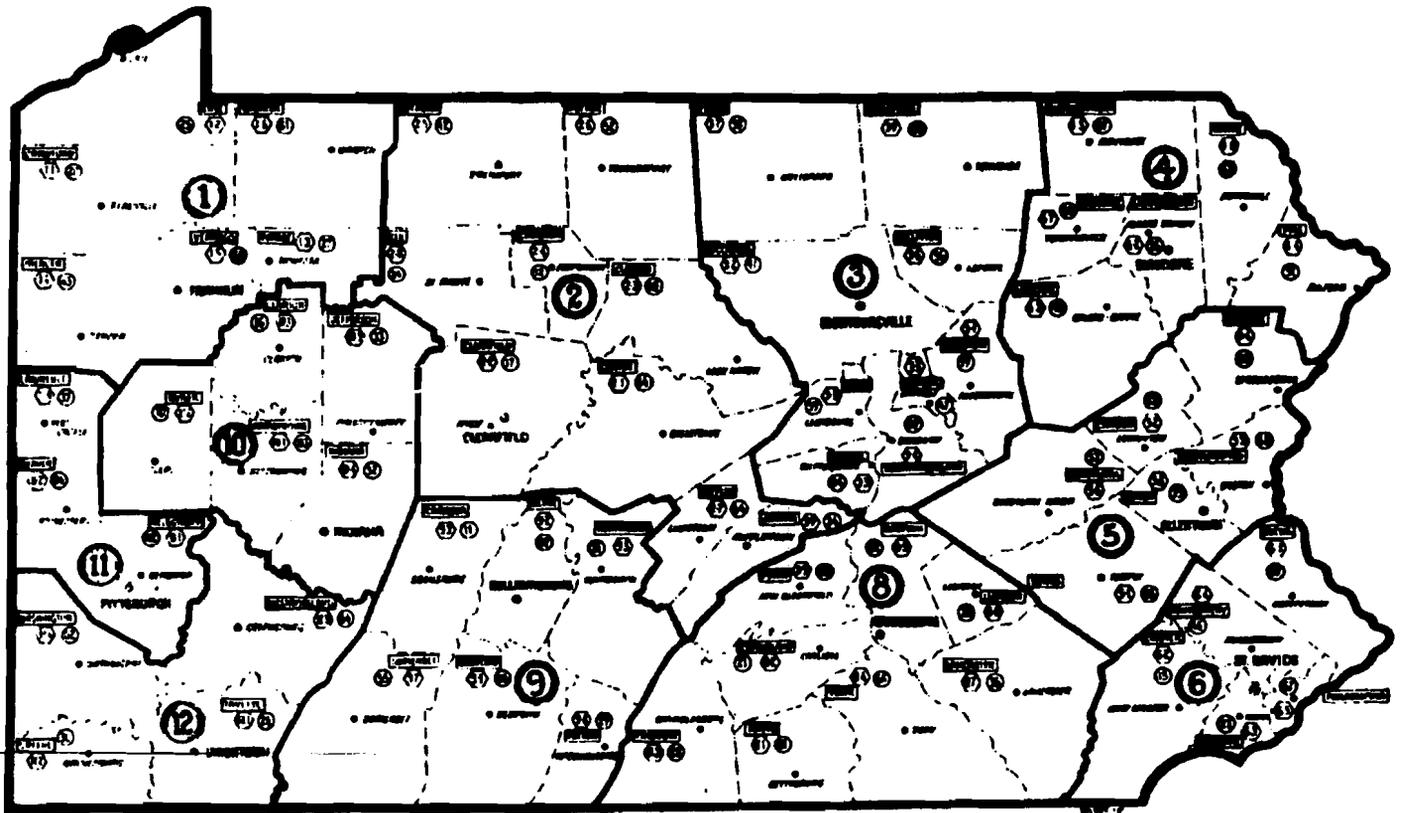
COUNTY	POPULATION	FATALITIES	FATALITIES PER 10,000 POPULATION	FATALITIES PLUS INJURIES	FAT. + INJ. PER 10,000 POPULATION	FATALITIES ON STATE HIGHWAYS	FATALITIES PER 100 MIL VEH. MILES
ADAMS	79,362	20	2.52	852	107.36	14	2.72
ALLEGHENY	1,355,099	86	0.63	12,759	94.16	50	0.94
ARMSTRONG	74,503	10	1.34	694	93.15	10	1.88
BEAVER	188,680	18	0.95	1,664	88.19	17	1.52
BEDFORD	48,586	11	2.26	565	116.29	11	1.98
BERKS	341,216	56	1.64	4,199	123.06	43	1.87
BLAIR	132,363	16	1.21	1,705	128.81	12	1.70
BRADFORD	61,817	8	1.29	570	92.21	8	1.88
BUCKS	548,732	67	1.22	7,047	128.42	62	1.64
BUTLER	154,133	24	1.56	1,790	116.13	23	1.83
CAMBRIA	165,287	14	0.85	1,627	98.43	11	1.38
CAMERON	5,994	4	6.67	55	91.76	4	8.85
CARBON	57,636	14	2.43	665	115.38	12	3.84
CENTRE	125,515	13	1.04	1,107	88.20	13	1.10
CHESTER	381,646	48	1.26	4,213	110.39	40	1.46
CLARION	42,281	12	2.84	548	129.61	11	2.26
CLEARFIELD	79,186	20	2.53	997	125.91	19	2.02
CLINTON	37,698	5	1.33	414	109.82	4	1.41
COLUMBIA	64,077	13	2.03	670	104.56	9	2.27
CRAWFORD	87,371	10	1.14	1,054	120.63	8	1.17
CUMBERLAND	197,983	29	1.46	2,140	108.09	26	1.47
DAUPHIN	241,132	29	1.20	2,847	118.07	22	1.31
DELAWARE	555,301	38	0.68	5,695	102.56	35	1.29
ELK	35,363	6	1.70	388	109.72	6	1.98
ERIE	279,424	34	1.22	3,586	128.34	25	1.96
FAYETTE	147,377	33	2.24	1,693	114.88	27	3.11
FOREST	4,869	1	2.05	94	193.06	1	0.99
FRANKLIN	122,774	19	1.55	1,318	107.35	14	1.52
FULTON	14,030	7	4.99	236	168.21	7	2.50
GREENE	40,103	15	3.74	427	106.48	15	3.60
HUNTINGDON	44,780	7	1.56	421	94.02	6	1.83
INDIANA	91,252	23	2.52	946	103.67	22	3.25
JEFFERSON	46,722	8	1.71	523	111.94	7	1.84
JUNIATA	20,912	7	3.35	226	108.07	6	2.50
LACKAWANNA	222,095	19	0.86	2,147	96.67	17	1.36
LANCASTER	428,723	65	1.52	4,786	111.63	52	1.91
LAWRENCE	97,590	7	0.72	1,124	115.18	5	1.19
LEBANON	115,330	20	1.73	1,323	114.71	17	1.46
LEHIGH	295,199	35	1.19	3,809	129.03	23	1.65
LUZERNE	332,721	47	1.41	3,724	111.93	42	1.28
LYCOMING	120,367	14	1.16	1,287	106.92	11	1.48
McKEAN	47,786	13	2.72	443	92.70	11	4.22
MERCER	122,688	22	1.79	1,511	123.16	20	1.78
MIFFLIN	46,841	12	2.56	475	101.41	11	3.39
MONROE	97,042	24	2.47	1,786	184.04	22	1.70
MONTGOMERY	687,582	59	0.86	9,050	131.62	43	1.13
MONTOUR	17,982	2	1.11	182	101.21	2	0.98
NORTHAMPTON	250,551	27	1.08	2,532	101.06	26	1.83
NORTHUMBERLAND	98,121	20	2.04	746	76.03	20	3.01
PERRY	41,747	16	3.83	471	112.82	15	3.52
PIKE	28,355	8	2.82	450	158.70	7	3.30
POTTER	16,950	6	3.54	172	101.47	4	2.26
SCHUYLKILL	154,708	29	1.87	1,531	98.96	25	1.18
SNYDER	37,192	5	1.34	334	89.80	4	2.88
SOMERSET	79,307	19	2.40	850	107.18	17	2.26
SULLIVAN	6,189	3	4.85	91	147.04	3	2.18
SUSQUEHANNA	40,944	11	2.69	452	110.39	10	4.02
TIOGA	41,698	16	3.84	405	97.13	14	1.85
UNION	36,681	7	1.91	364	99.23	6	2.17
VENANGO	60,209	11	1.83	769	127.72	11	1.81
WARREN	45,677	7	1.53	463	101.36	6	1.79
WASHINGTON	207,434	37	1.78	1,903	91.74	35	2.34
WAYNE	40,501	8	1.98	502	123.95	6	1.98
WESTMORELAND	375,490	57	1.52	3,985	106.13	47	2.07
WYOMING	28,468	6	2.11	357	125.40	5	1.43
YORK	344,315	38	1.10	4,363	126.72	31	1.85
PHILADELPHIA	1,608,313	135	0.84	16,903	105.10	93	2.13
TOTAL	1,048,000	1,830	1.27	133,025	110.41	1,261	1.68

1989-1993 FATALITIES BY COUNTY

COUNTY	1989 FATALITIES	1990 FATALITIES	1991 FATALITIES	1992 FATALITIES	1993 FATALITIES	ANNUAL GROWTH IN FATALITIES	PERCENT CHANGE 92-93
ADAMS	22	14	19	27	20	0.83	-25.9
ALLEGHENY	105	96	91	95	86	-3.93	-9.5
ARMSTRONG	11	19	16	18	10	-0.26	-44.4
BEAVER	23	21	23	19	18	-1.17	-5.3
BEDFORD	9	22	24	11	11	-1.40	0.0
BERKS	72	52	53	48	56	-4.00	16.7
BLAIR	25	23	25	24	16	-1.43	-33.3
BRADFORD	13	14	11	10	8	-1.37	-20.0
BUCKS	71	61	68	73	67	0.34	-8.2
BUTLER	36	34	32	26	24	-3.15	-7.7
CAMBRIA	20	15	15	22	14	-0.35	-36.4
CAMERON	1	0	1	2	4	0.86	100.0
CARBON	17	12	10	11	14	-0.79	27.3
CENTRE	21	18	21	20	13	-1.17	-35.0
CHESTER	55	54	60	59	48	-0.72	-18.6
CLARION	14	11	11	11	12	-0.45	9.1
CLEARFIELD	21	19	11	14	20	-0.62	42.9
CLINTON	10	20	12	3	5	-2.56	66.7
COLUMBIA	14	18	9	14	13	-0.69	-7.1
CRAWFORD	22	16	22	21	10	-1.33	-52.4
CUMBERLAND	27	29	29	26	29	0.11	11.5
DAUPHIN	42	30	24	27	29	-3.28	7.4
DELAWARE	48	43	44	47	38	-1.51	-19.1
ELK	5	5	7	4	6	0.14	50.0
ERIE	42	38	44	36	34	-1.75	-5.6
FAYETTE	31	23	36	32	33	1.10	3.1
FOREST	1	2	2	4	1	0.50	-75.0
FRANKLIN	36	30	36	20	19	-4.07	-5.0
FULTON	6	9	7	5	7	-0.24	40.0
GREENE	19	14	8	11	15	-1.18	-36.4
HUNTINGDON	9	12	28	13	7	0.16	-46.2
INDIANA	23	17	18	16	23	-0.06	43.8
JEFFERSON	1	12	10	9	8	-0.82	-11.1
JUNIATA	6	4	7	5	7	0.28	40.0
LACKAWANNA	23	30	30	21	19	-1.67	-9.5
LANCASTER	63	56	51	48	65	-0.15	35.4
LAWRENCE	16	13	7	16	7	-1.10	-56.3
LEBANON	22	12	17	22	20	0.28	-9.1
LEHIGH	48	31	41	36	35	-2.53	-2.8
LUZERNE	50	45	40	38	47	-1.24	23.7
LYCOMING	26	22	17	16	14	-3.12	-12.5
McKEAN	15	12	17	9	13	-0.60	44.4
MERCER	24	27	16	28	22	-0.24	-21.4
MIFFLIN	12	8	14	16	12	0.74	-25.0
MONROE	34	21	40	24	24	-1.85	0.0
MONTGOMERY	74	57	59	54	59	-3.59	9.3
MONTOUR	10	3	0	5	2	-1.72	-60.0
NORTHAMPTON	39	18	23	32	27	-1.87	-15.6
NORTHUMBERLAND	27	14	19	15	20	-1.71	33.3
FERRY	17	21	9	9	16	-1.77	77.8
PIKE	9	8	8	6	8	-0.37	33.3
POTTER	4	2	11	6	6	0.29	0.0
SCHUYLKILL	39	34	37	29	29	-2.48	0.0
SNYDER	16	12	10	8	5	-2.66	-37.5
SOMERSET	25	16	16	18	19	-1.27	5.6
SULLIVAN	2	4	2	2	3	-0.08	50.0
SUSQUEHANNA	13	10	14	10	11	-0.42	10.0
TIOGA	9	13	12	12	16	1.30	33.3
UNION	11	8	10	5	7	-1.06	40.0
VENANGO	10	10	18	11	11	0.24	0.0
WARREN	26	7	10	16	7	-3.87	-56.3
WASHINGTON	30	34	37	37	37	1.64	0.0
WAYNE	9	12	8	10	8	-0.44	-20.0
WESTMORELAND	70	50	49	38	57	-3.85	50.0
WYOMING	7	14	5	6	6	-1.38	0.0
YORK	53	46	46	35	38	-4.10	8.6
PHILADELPHIA	167	169	134	124	135	-11.02	8.9
TOTAL	1,878	1,646	1,661	1,545	1,530		

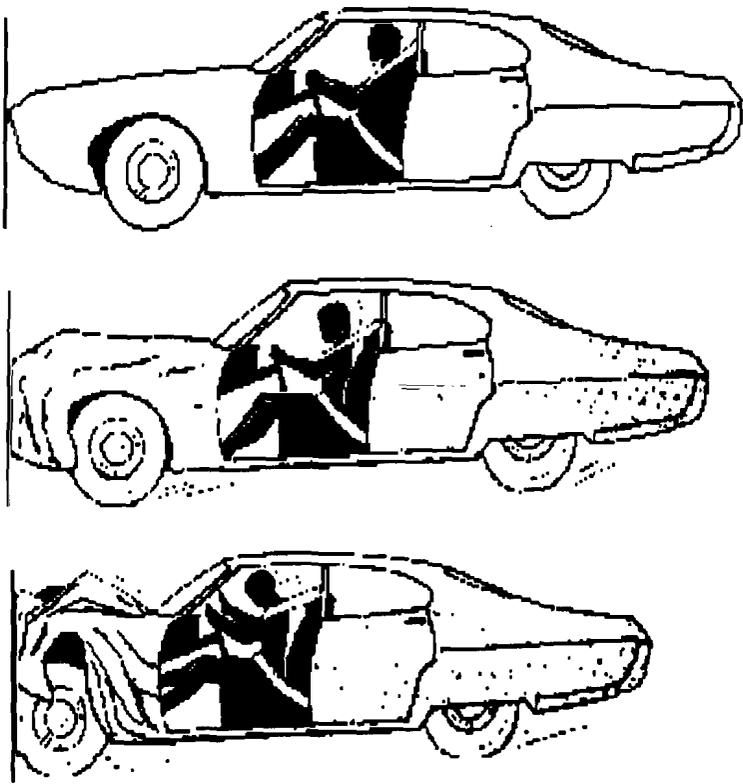
1993 FATALITIES BY VEHICLE TYPE

COUNTY	AUTO-MOBILE	MOTOR-CYCLE	LIGHT TRUCK	HEAVY TRUCK	OTHER	TOTAL
ADAMS	13	3	4	-	-	20
ALLEGHENY	58	7	17	2	2	86
ARMSTRONG	5	2	3	-	-	10
BEAVER	12	3	3	-	-	18
BEDFORD	5	-	5	1	-	11
BERKS	35	7	10	2	2	56
BLAIR	13	-	3	-	-	16
BRADFORD	3	1	3	-	1	8
BUCKS	46	7	5	6	3	67
BUTLER	18	3	2	-	1	24
CAMBRIA	9	1	4	-	-	14
CAMERON	2	-	1	-	1	4
CARBON	10	1	3	-	-	14
CENTRE	6	2	4	1	-	13
CHESTER	43	2	2	1	-	48
CLARION	4	2	5	1	-	12
CLEARFIELD	13	1	6	-	-	20
CLINTON	1	1	2	-	1	5
COLUMBIA	10	2	1	-	-	13
CRAWFORD	5	-	5	-	-	10
CUMBERLAND	23	1	3	-	2	29
DAUPHIN	19	2	7	-	1	29
DELAWARE	32	2	2	-	2	38
ELK	2	-	4	-	-	6
ERIE	23	1	6	2	2	34
FAYETTE	26	1	3	1	2	33
FOREST	1	-	-	-	-	1
FRANKLIN	14	2	2	-	1	19
FULTON	5	-	2	-	-	7
GREENE	12	-	3	-	-	15
HUNTINGDON	7	-	1	-	-	7
INDIANA	18	2	1	2	-	23
JEFFERSON	7	-	-	-	1	8
JUNIATA	3	-	4	-	-	7
LACKAWANNA	12	2	4	1	-	19
LANCASTER	53	5	6	-	1	65
LAWRENCE	5	-	2	-	-	7
LEBANON	11	2	6	1	-	20
LEHIGH	29	1	5	-	-	35
LUZERNE	32	2	13	-	-	47
LYCOMING	7	2	5	-	-	14
McKEAN	7	2	3	-	1	13
MERCER	17	-	4	-	1	22
MIFFLIN	5	2	5	-	-	12
MONROE	17	1	5	-	1	24
MONTGOMERY	42	7	6	4	-	59
MONTOUR	1	-	1	-	-	2
NORTHAMPTON	17	1	8	-	1	27
NORTHUMBERLAND	10	3	6	-	1	20
PERRY	14	1	1	-	-	16
PIKE	6	1	1	-	-	8
POTTER	2	1	2	-	1	6
SCHUYLKILL	19	4	5	1	-	29
SNYDER	4	-	-	-	1	5
SOMERSET	8	-	10	-	1	19
SULLIVAN	-	-	3	-	-	3
SUSQUEHANNA	4	-	6	-	1	11
TIOGA	14	-	2	-	-	16
UNION	4	-	3	-	-	7
VENANGO	9	-	2	-	-	11
WARREN	3	-	4	-	-	7
WASHINGTON	31	2	3	1	-	37
WAYNE	6	2	-	-	-	8
WESTMORELAND	33	6	13	1	4	57
WYOMING	4	-	2	-	-	6
YORK	22	2	10	2	2	38
PHILADELPHIA	87	9	27	5	7	135
TOTAL	1,037	114	299	35	45	1,530



1993 CRASHES BY ENGINEERING DISTRICT

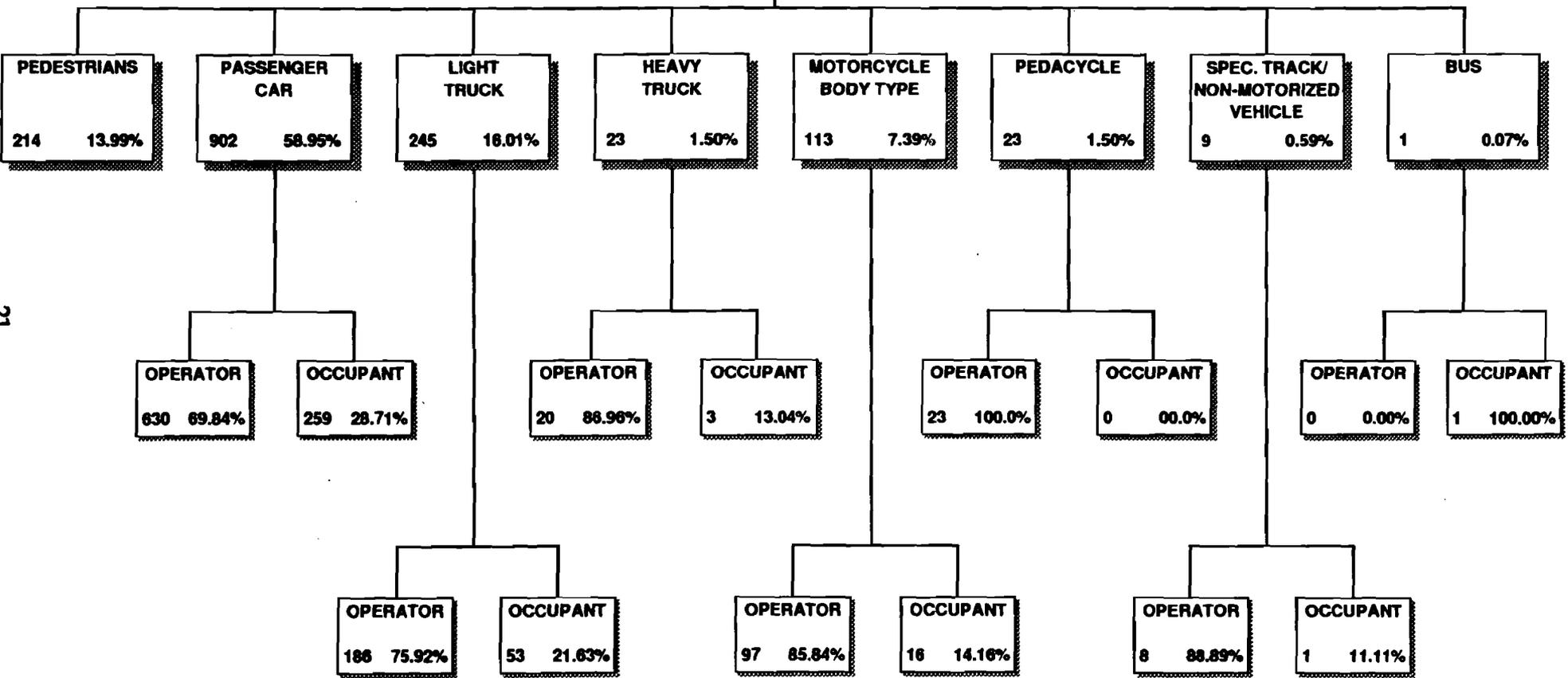
DISTRICT	CRASHES	KILLED	INJURED
01	7,334	85	7,392
02	4,605	86	4,191
03	5,059	88	4,561
04	7,742	99	7,535
05	16,023	185	14,337
06	38,911	347	42,566
08	19,760	236	17,865
09	5,496	74	5,330
10	4,699	77	4,424
11	16,228	111	15,436
12	8,458	142	7,866
TOTAL	134,315	1,530	131,503



IV. FATALITY AND INJURY CHARACTERISTICS

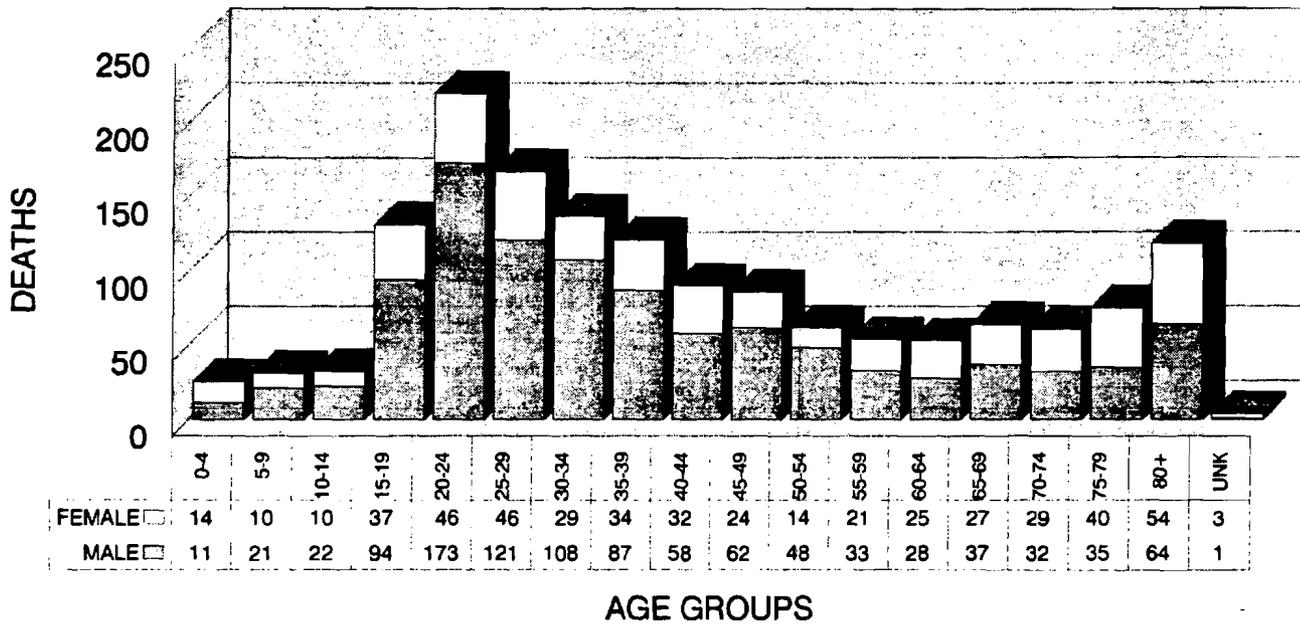
1993 HIGHWAY DEATHS: DISTRIBUTION BY VEHICLE TYPE

TOTAL HIGHWAY DEATHS
1,530 100%



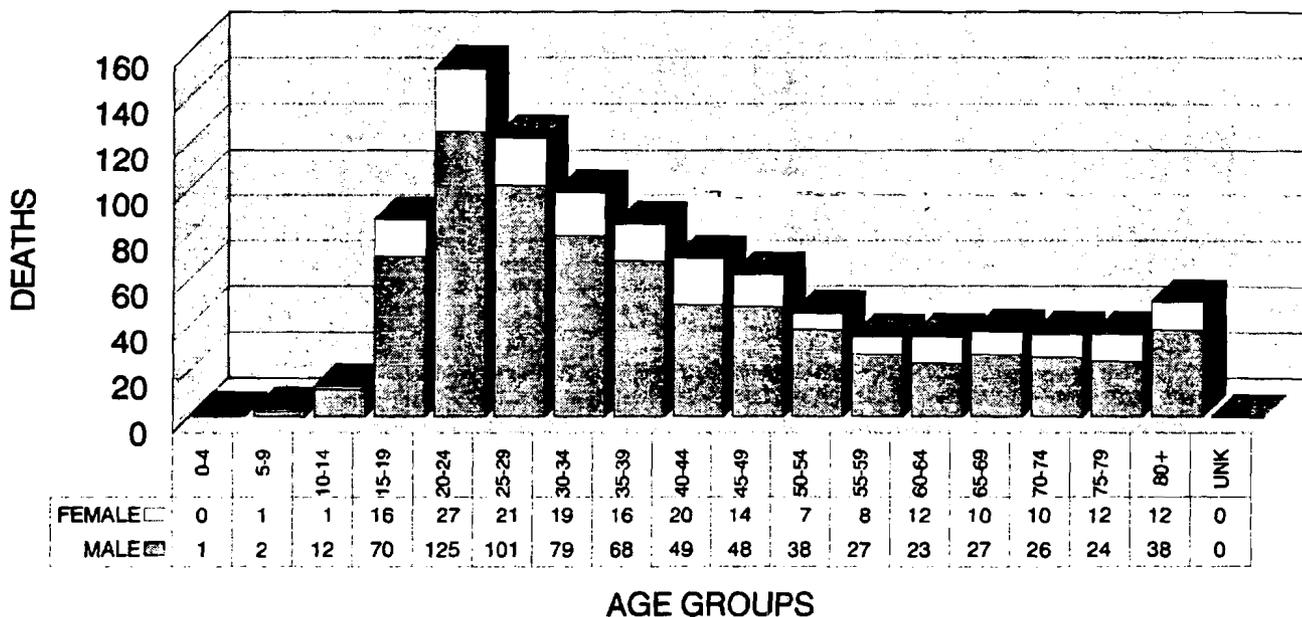
1993 HIGHWAY DEATHS

BY AGE AND SEX



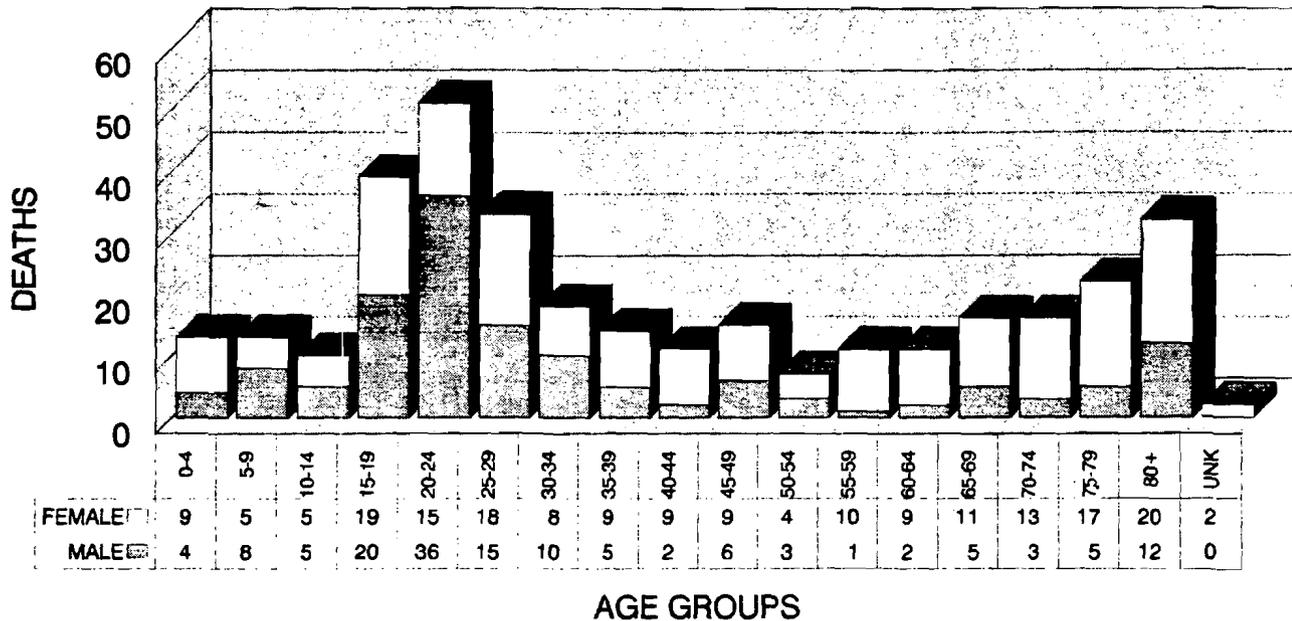
1993 VEHICLE DRIVER DEATHS

BY AGE AND SEX



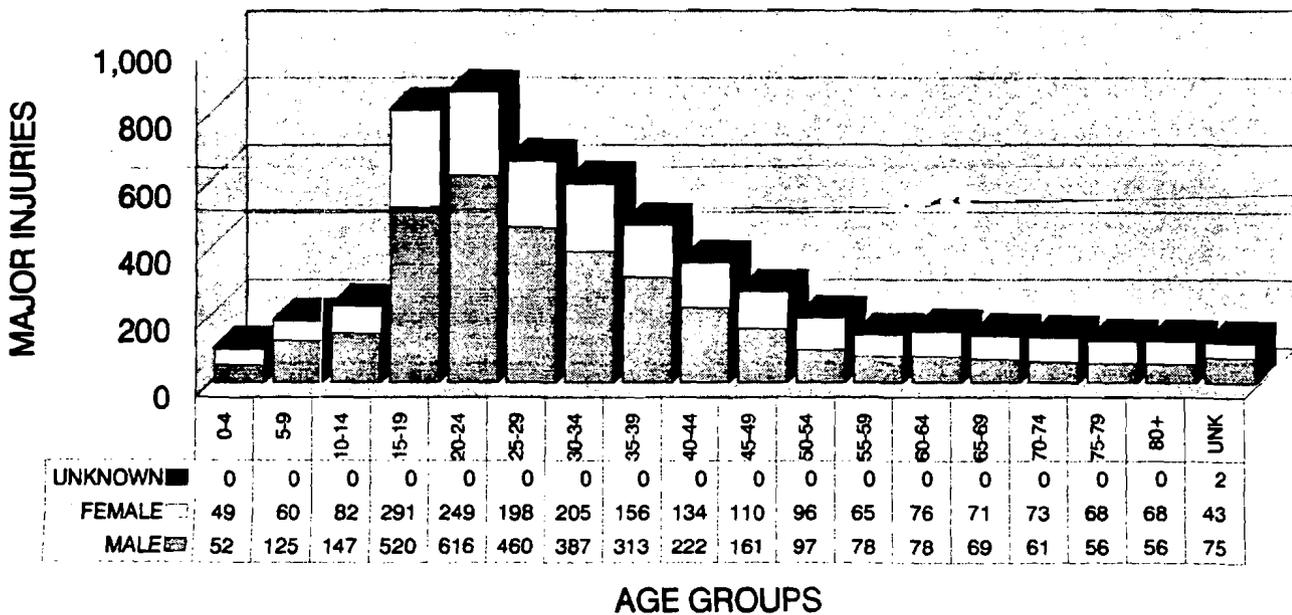
1993 VEHICLE OCCUPANT DEATHS

BY AGE AND SEX



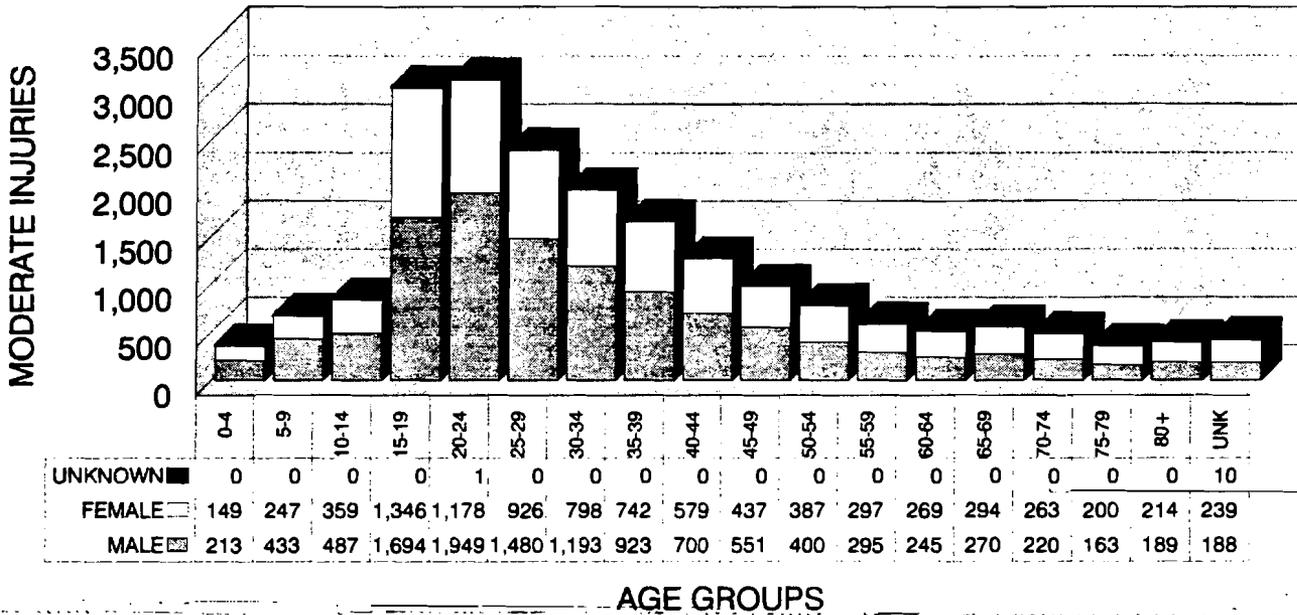
1993 MAJOR INJURIES

BY AGE AND SEX



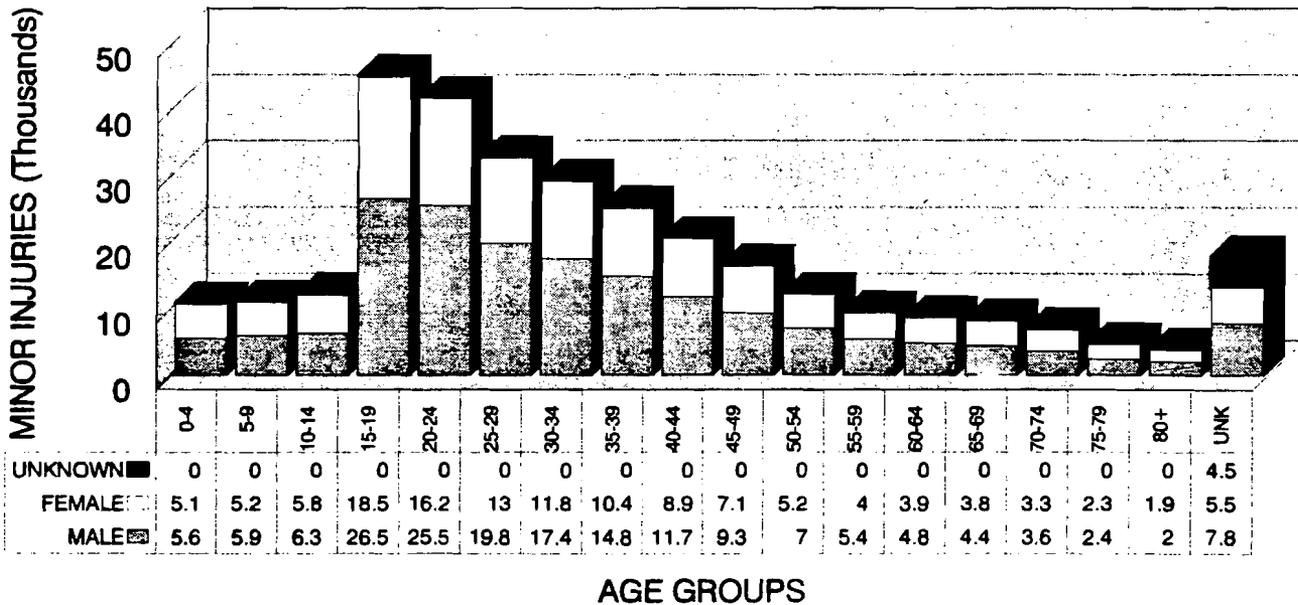
1993 MODERATE INJURIES

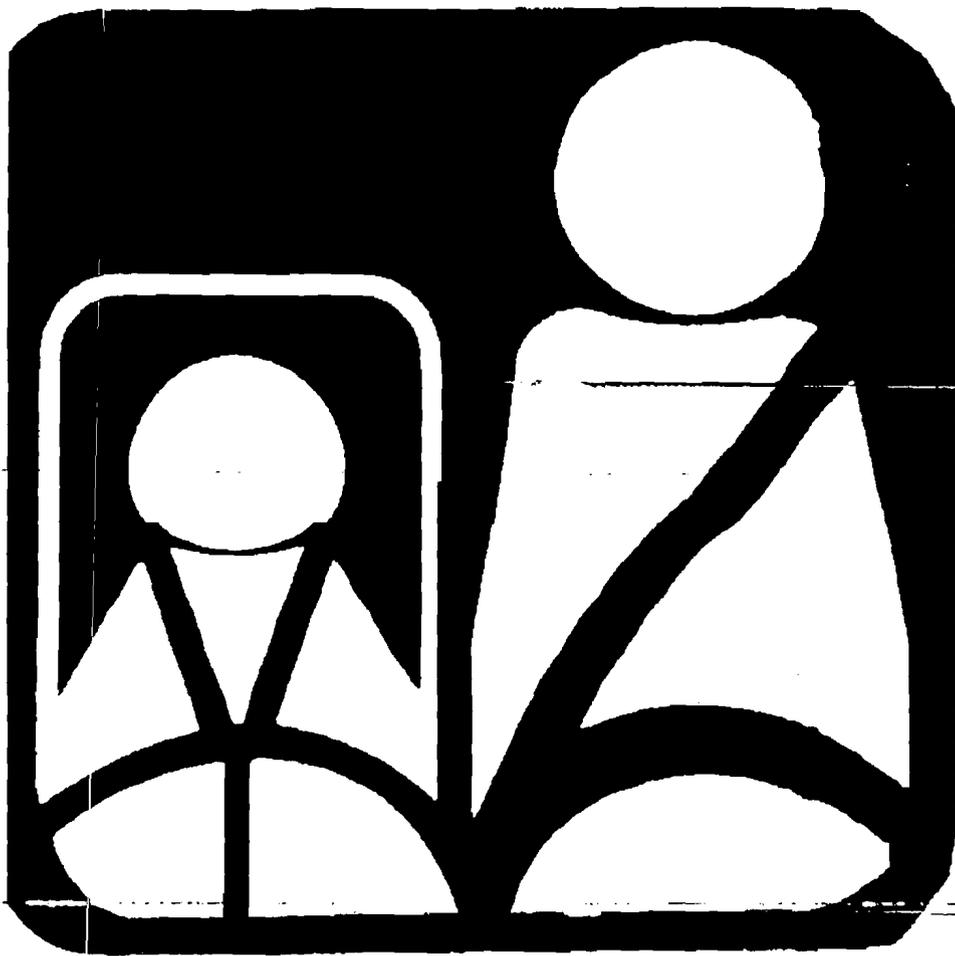
BY AGE AND SEX



1993 MINOR INJURIES

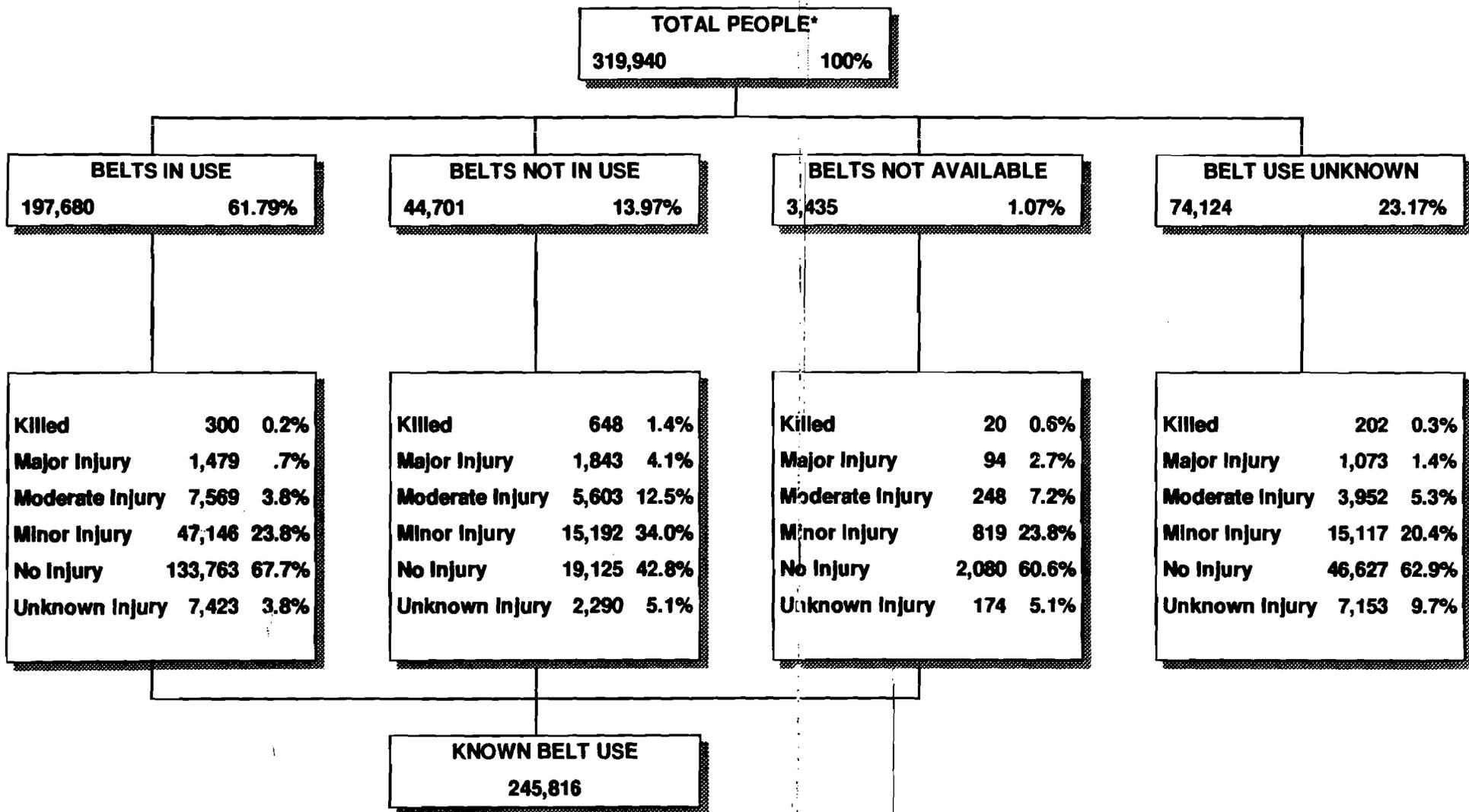
BY AGE AND SEX





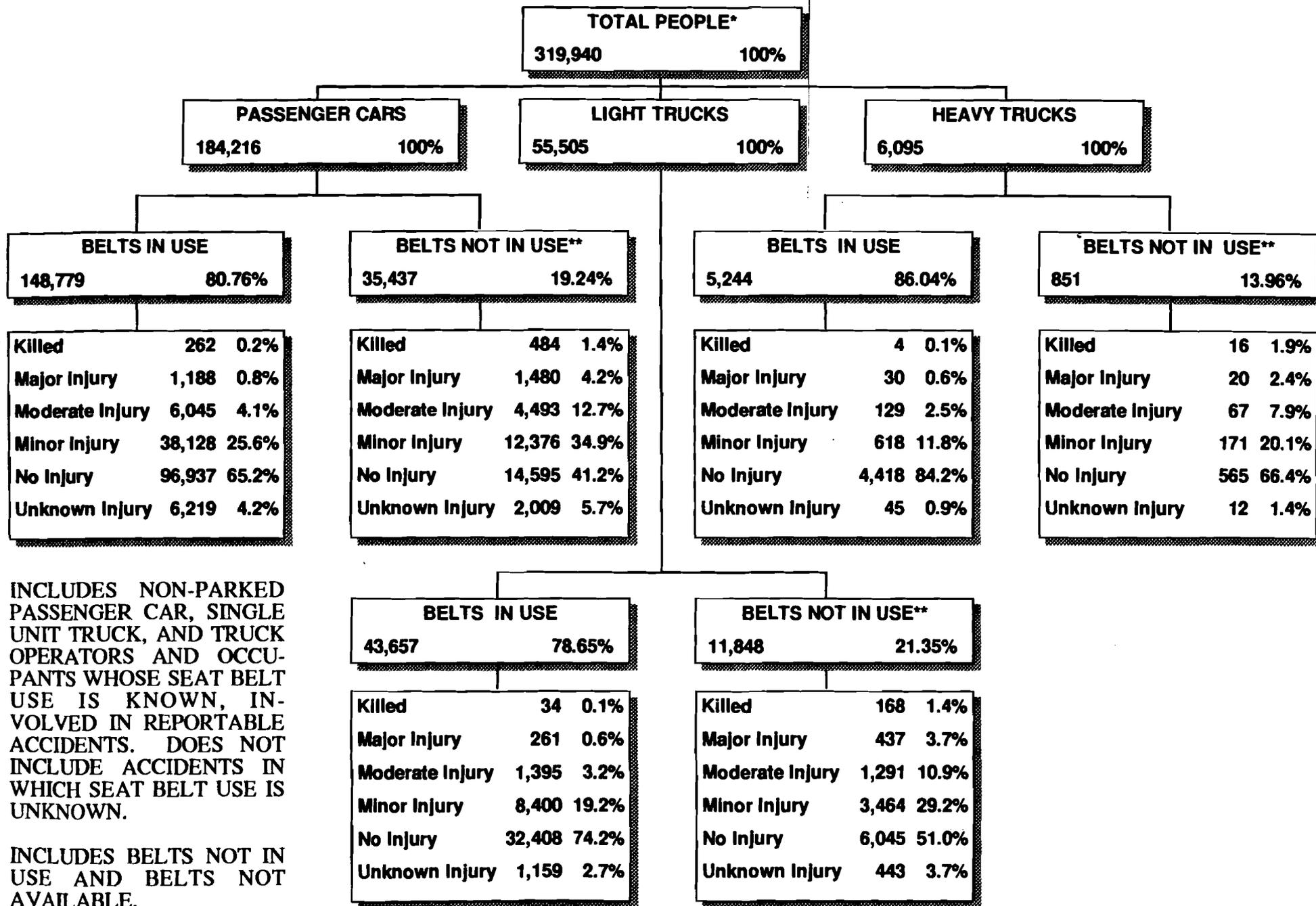
V. SEAT BELT STATISTICS

1993 TOTAL PEOPLE* INVOLVED IN CRASHES: DISTRIBUTION BY BELT USAGE



* INCLUDES NON-PARKED PASSENGER CAR, LIGHT AND HEAVY TRUCK DRIVERS AND OCCUPANTS IN REPORTABLE ACCIDENTS.

1993 TOTAL PEOPLE* INVOLVED IN CRASHES: DISTRIBUTION BY VEHICLE TYPE



* INCLUDES NON-PARKED PASSENGER CAR, SINGLE UNIT TRUCK, AND TRUCK OPERATORS AND OCCUPANTS WHOSE SEAT BELT USE IS KNOWN, INVOLVED IN REPORTABLE ACCIDENTS. DOES NOT INCLUDE ACCIDENTS IN WHICH SEAT BELT USE IS UNKNOWN.

** INCLUDES BELTS NOT IN USE AND BELTS NOT AVAILABLE.

**IMPACT OF 100% BELT USE ON
1993 FATALITIES & INJURIES
(PASSENGER CAR OCCUPANTS ONLY)**

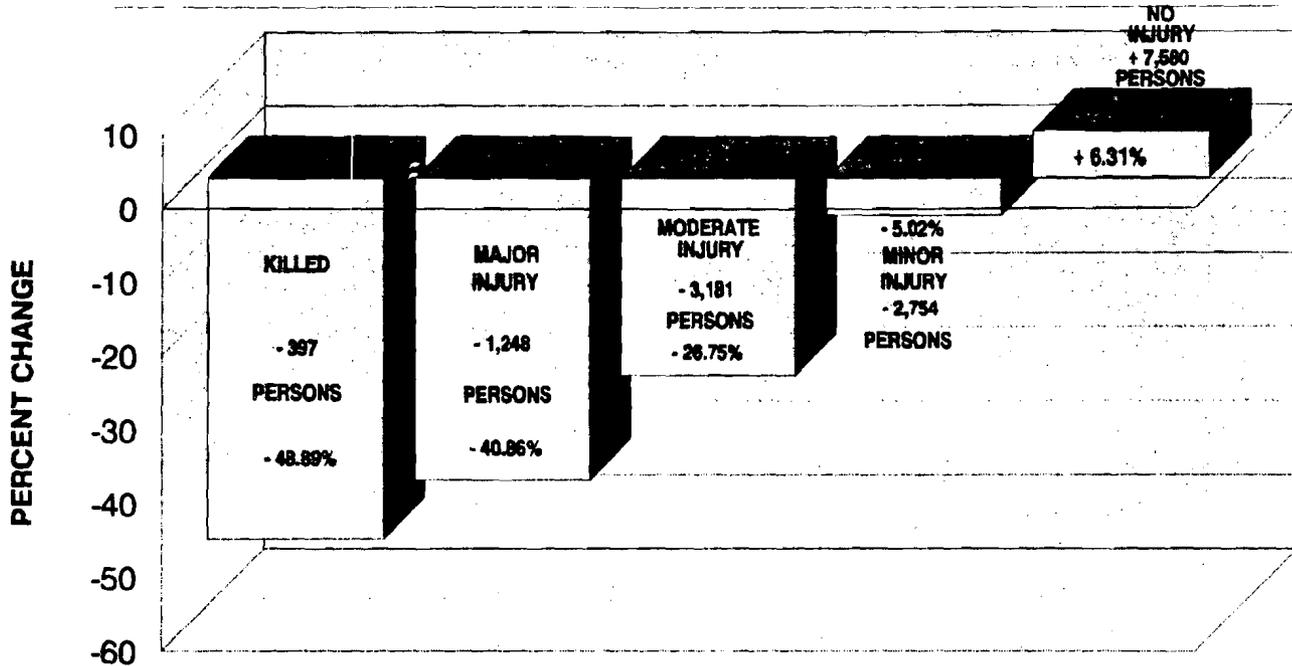
	KILLED	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	NO INJURY	TOTAL PERSONS
NO BELTS	9	44	114	414	968	1,549
BELTS USED	256	1,139	5,728	36,357	90,165	133,645
BELTS NOT USED	445	1,342	4,091	11,119	12,462	29,459
USE UNKNOWN	102	529	1,961	6,903	16,552	26,047
TOTAL	812	3,054	11,894	54,793	120,147	190,700
EXPECTED 100% USE	415	1,806	8,713	52,039	127,727	0
NET GAIN/LOSS	-397	-1,248	-3,181	-2,754	+7,580	0

THE ESTIMATED ECONOMIC SAVINGS OF 100% BELT USE IN 1993 WOULD HAVE BEEN \$1,216,584,446.00 OR APPROXIMATELY \$100.98 FOR EVERY MAN, WOMAN AND CHILD IN PENNSYLVANIA.

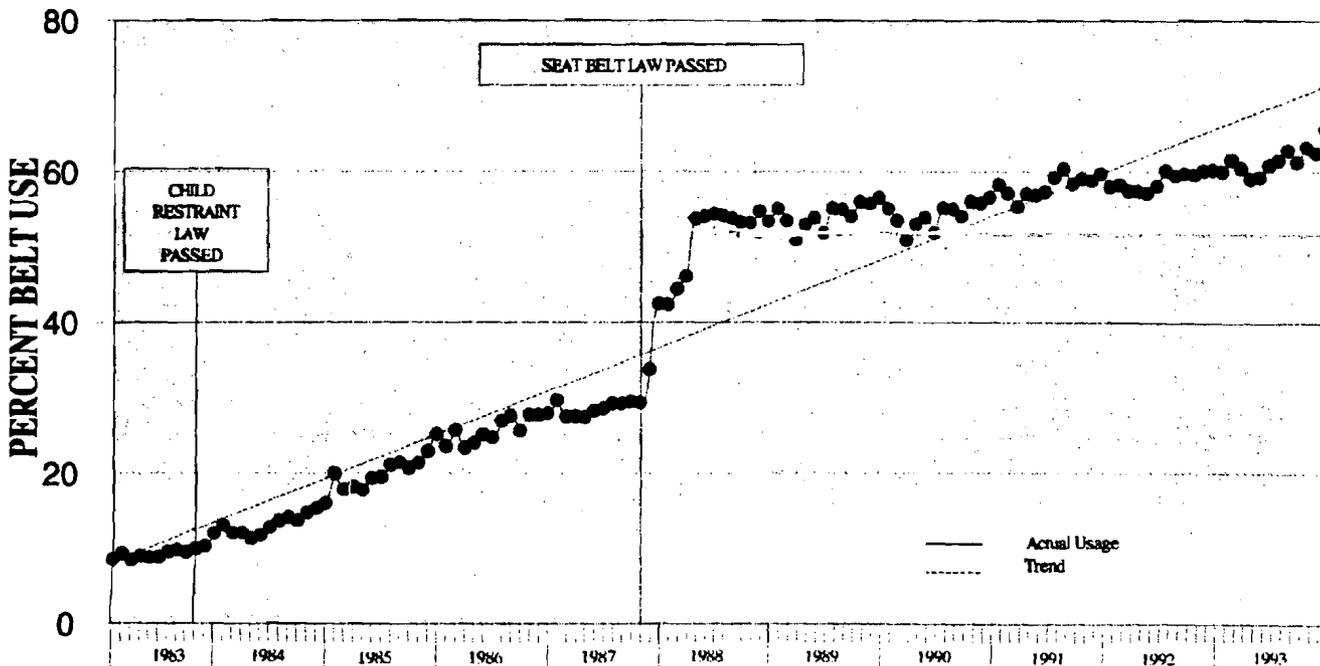
1989 - 1993 PERCENT SEAT BELT USE BY COUNTY

COUNTY	1989 BELT USE	1990 BELT USE	1991 BELT USE	1992 BELT USE	1993 BELT USE	ANNUAL GROWTH RATE	PERCENT CHANGE 92-93
ADAMS	58.2	55.1	59.5	63.5	65.9	2.37	3.8
ALLEGHENY	47.7	49.5	54.1	53.9	55.3	1.95	2.6
ARMSTRONG	53.1	55.2	63.1	64.6	70.1	4.36	8.5
BEAVER	44.8	42.6	47.1	47.2	48.4	1.18	2.5
BEDFORD	68.6	67.5	71.8	76.3	78.3	2.83	2.6
BERKS	49.4	50.7	56.0	59.9	61.4	3.32	2.5
BLAIR	62.9	64.0	68.9	68.9	71.5	2.20	3.8
BRADFORD	63.1	64.8	61.2	65.8	66.8	0.85	1.5
BUCKS	51.4	53.4	57.5	59.7	60.6	2.45	1.5
BUTLER	61.6	61.2	65.1	66.9	66.9	1.63	0.0
CAMBRIA	53.2	53.2	55.3	57.0	59.4	1.64	4.2
CAMERON	49.7	59.7	50.3	55.1	67.6	3.24	22.7
CARBON	59.1	57.1	59.6	58.0	64.6	1.22	11.4
CENTRE	66.8	66.9	70.0	72.5	74.0	1.99	2.1
CHESTER	61.7	62.2	66.1	67.1	70.9	2.35	5.7
CLARION	68.5	61.7	67.2	65.6	74.0	1.54	12.8
CLEARFIELD	63.5	59.0	60.9	63.4	68.8	1.53	8.5
CLINTON	60.8	58.8	65.3	68.2	71.4	3.05	4.7
COLUMBIA	58.6	60.0	63.6	66.3	64.3	1.75	-3.0
CRAWFORD	56.4	62.6	63.8	65.0	68.7	2.66	5.7
CUMBERLAND	62.0	65.7	67.5	70.0	72.2	2.47	3.1
DAUPHIN	62.1	62.6	65.7	64.5	68.9	1.56	6.8
DELAWARE	39.5	41.1	45.9	49.2	50.1	2.91	1.8
ELK	53.1	56.1	59.9	59.7	64.6	2.66	8.2
ERIE	60.0	61.9	64.2	64.5	68.1	1.90	5.6
FAYETTE	57.1	54.4	58.7	60.2	66.6	2.50	10.6
FOREST	59.1	65.7	68.8	73.9	68.8	2.72	-6.9
FRANKLIN	54.4	55.8	61.3	68.6	68.7	4.14	0.1
FULTON	65.3	63.8	62.1	67.7	74.8	2.36	10.5
GREENE	66.2	71.0	68.6	75.4	75.8	2.37	0.5
HUNTINGDON	56.3	60.2	62.2	66.9	70.8	3.57	5.8
INDIANA	67.9	68.6	71.9	68.2	71.3	0.66	4.5
JEFFERSON	62.7	64.6	63.7	67.6	72.8	2.36	7.7
JUNIATA	54.8	64.3	64.4	66.3	67.5	2.61	1.8
LACKAWANNA	47.4	47.9	52.2	52.1	53.1	1.56	1.9
LANCASTER	66.3	67.4	70.5	71.4	74.3	2.01	4.1
LAWRENCE	57.6	54.1	54.8	57.7	59.6	0.75	3.3
LEBANON	58.9	60.4	65.7	66.7	66.9	2.22	0.3
LEHIGH	66.1	67.9	72.0	74.0	77.3	2.84	4.5
LUZERNE	53.3	54.8	58.3	61.1	61.7	2.31	1.0
LYCOMING	61.7	61.0	61.0	63.8	65.0	0.95	1.9
McKEAN	53.0	54.2	60.9	51.2	62.2	1.64	21.5
MERCER	57.3	59.2	59.9	63.5	62.6	1.50	-1.4
MIFFLIN	55.8	56.9	59.9	60.4	69.8	3.26	15.6
MONROE	63.4	62.9	69.2	70.2	75.5	3.18	7.5
MONTGOMERY	60.7	61.8	66.7	66.5	69.0	2.12	3.8
MONTOUR	70.6	64.2	75.2	72.2	79.8	2.63	10.5
NORTHAMPTON	59.4	61.7	64.3	68.3	70.0	2.78	2.5
NORTHUMBERLAND	55.7	54.1	54.0	60.8	61.4	1.83	1.0
PERRY	59.9	61.9	63.2	69.0	75.8	3.98	9.9
PIKE	62.2	68.2	61.9	73.8	73.5	2.84	-0.4
POTTER	64.9	54.5	68.6	69.2	70.7	2.48	2.2
SCHUYLKILL	58.8	59.6	63.6	65.0	67.6	2.30	4.0
SNYDER	67.8	63.0	70.6	70.1	73.7	1.88	5.1
SOMERSET	60.2	63.9	66.3	64.0	68.3	1.63	6.7
SULLIVAN	67.6	77.8	72.2	71.0	66.0	-1.06	-7.0
SUSQUEHANNA	54.9	65.5	61.9	66.7	69.4	2.92	4.0
TIOGA	62.0	65.1	62.8	64.0	74.0	2.42	15.6
UNION	62.8	64.9	66.4	69.3	75.3	2.98	8.7
VENANGO	65.4	60.4	64.4	63.0	66.0	0.35	4.8
WARREN	68.4	63.1	68.4	72.3	74.1	2.06	2.5
WASHINGTON	59.1	59.4	62.0	65.8	68.5	2.54	4.1
WAYNE	57.4	62.8	68.0	64.8	72.4	3.20	11.7
WESTMORELAND	61.3	64.2	65.4	66.0	69.4	1.80	5.2
WYOMING	58.1	63.3	62.9	69.1	75.1	4.03	8.7
YORK	64.2	63.6	67.3	68.7	70.7	1.80	2.9
PHILADELPHIA	21.2	21.4	23.7	20.9	21.5	0.00	2.9
TOTALS	53.7	54.4	58.1	59.3	61.8	0.63	4.2

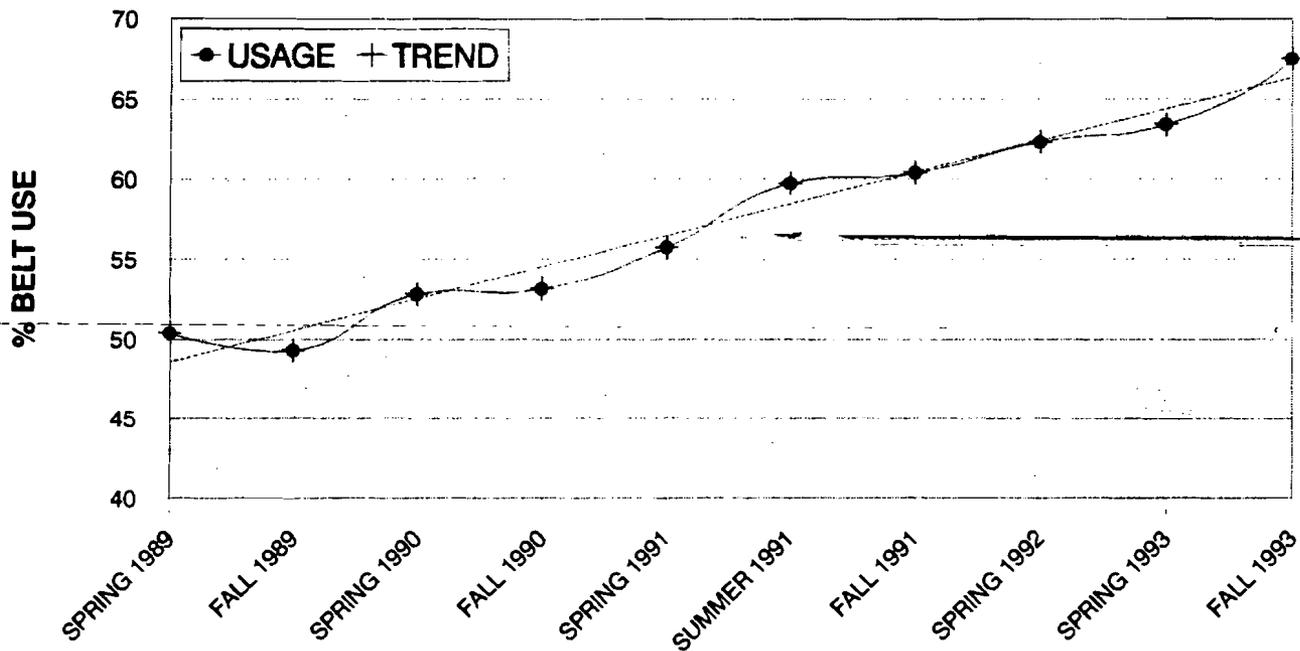
EFFECT OF 100% BELT USE IN 1993 IN PASSENGER CAR ACCIDENTS CHANGE IN INJURY CATEGORIES IF BELTS WERE USED IN ALL CARS



PENNSYLVANIA SEAT BELT USE 1983 - 1993



OBSERVATIONAL SURVEYS OF SEAT BELT USE 1990 - 1993





VI. ALCOHOL INVOLVEMENT IN ACCIDENTS

ALCOHOL INVOLVEMENT

1993

Alcohol-related crashes are those crashes where either an involved driver or pedestrian (or both) had noticeably been drinking.

During 1993 there were a total of 13,183 alcohol-related crashes, a 5.7% reduction from 1992. Fatalities in alcohol-related crashes declined 5.1% to a 1993 total of 596, continuing a steady downward trend from 1988. Alcohol-related fatalities were 39% of the total 1993 traffic fatalities, the first year under 40% as far as can be determined from historical data.

CHARACTERISTICS

The drinkers in traffic crashes are still 84% males, although there has been a slow but steady increase in the percentage of females over the past ten years.

About 80% of the alcohol-related crashes are during hours of darkness, usually on weekends (Friday night, Saturday and early Sunday morning).

Involvement of underage drinking drivers (under age 21) continues to decline since passage of significant legislation which became effective in mid-1988.

In fatal crashes involving drinking drivers, about 83% of the fatalities were the drinking driver (66%) or a passenger of a drinking driver (17%).

October through December were the months with the highest incidence of alcohol-related crashes. October had a mean of 42.3 alcohol-related crashes per day. There was a mean of 36.1 alcohol-related crashes per day for the year of 1993.

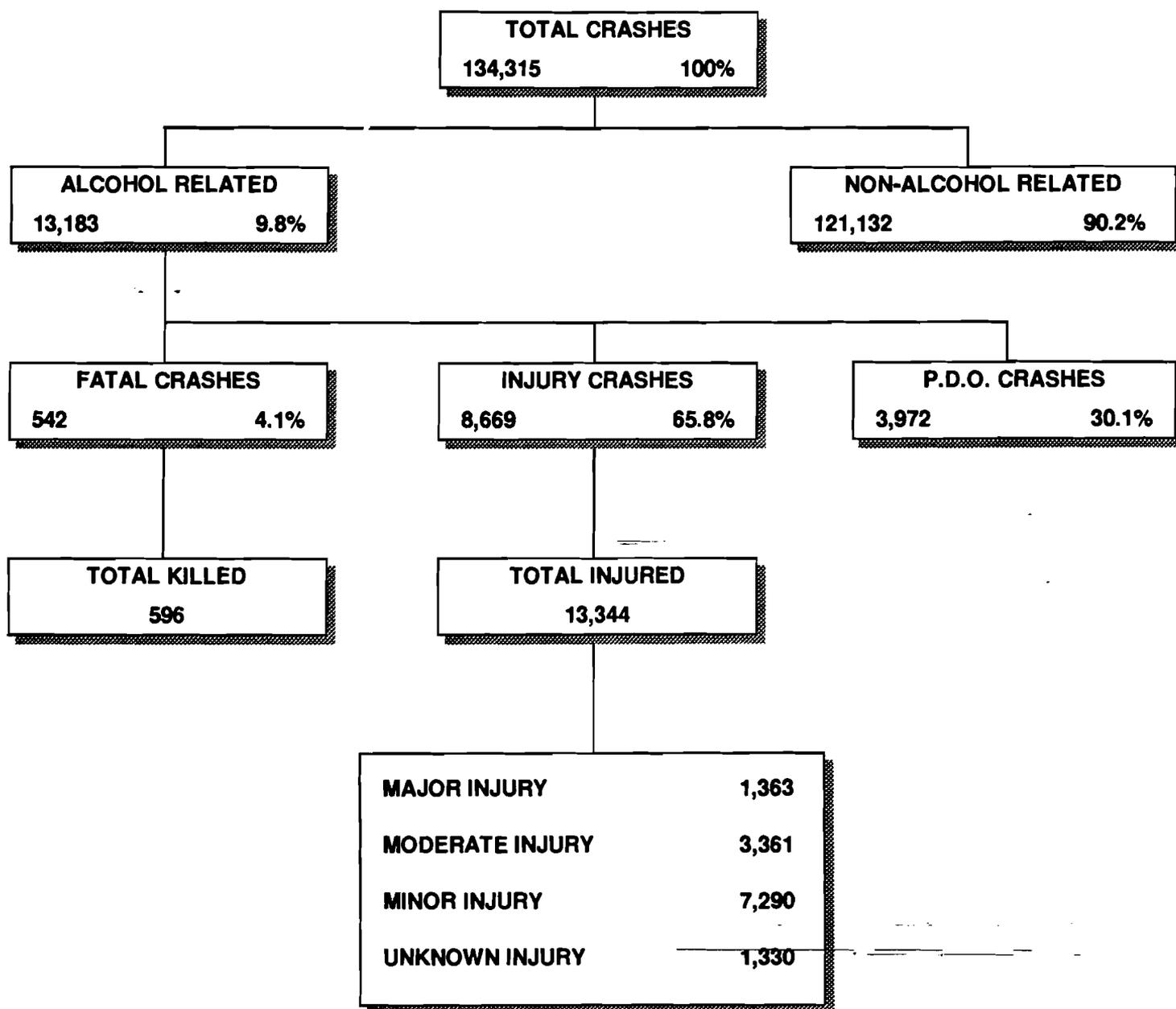
The lowest days for alcohol-related crashes during 1993 were generally during the early months of the year with the lowest day, Sunday, March 13, 1993, having only 8 alcohol-related crashes reported.

The highest days for alcohol-related crashes during 1993 were generally during the latter months of the year with the highest day, Saturday, October 2, 1993, having 88 alcohol-related crashes reported. The week prior to Christmas has historically been a period of high incidence of alcohol-related crashes and there were 87 reported on Thursday, December 23, 1993, the second highest day of the year.

Alcohol-related fatalities averaged 1.48 killed per day during 1993. Highest reported days were generally on weekends. The two highest were Saturday, February 6, 1993 and Saturday, June 19, 1993 each with 8 alcohol-related deaths.

The two highest three-day periods included the highest days with 15 alcohol-related deaths during the June 18th to June 20th period and 14 alcohol-related deaths during the February 4th to February 6th period.

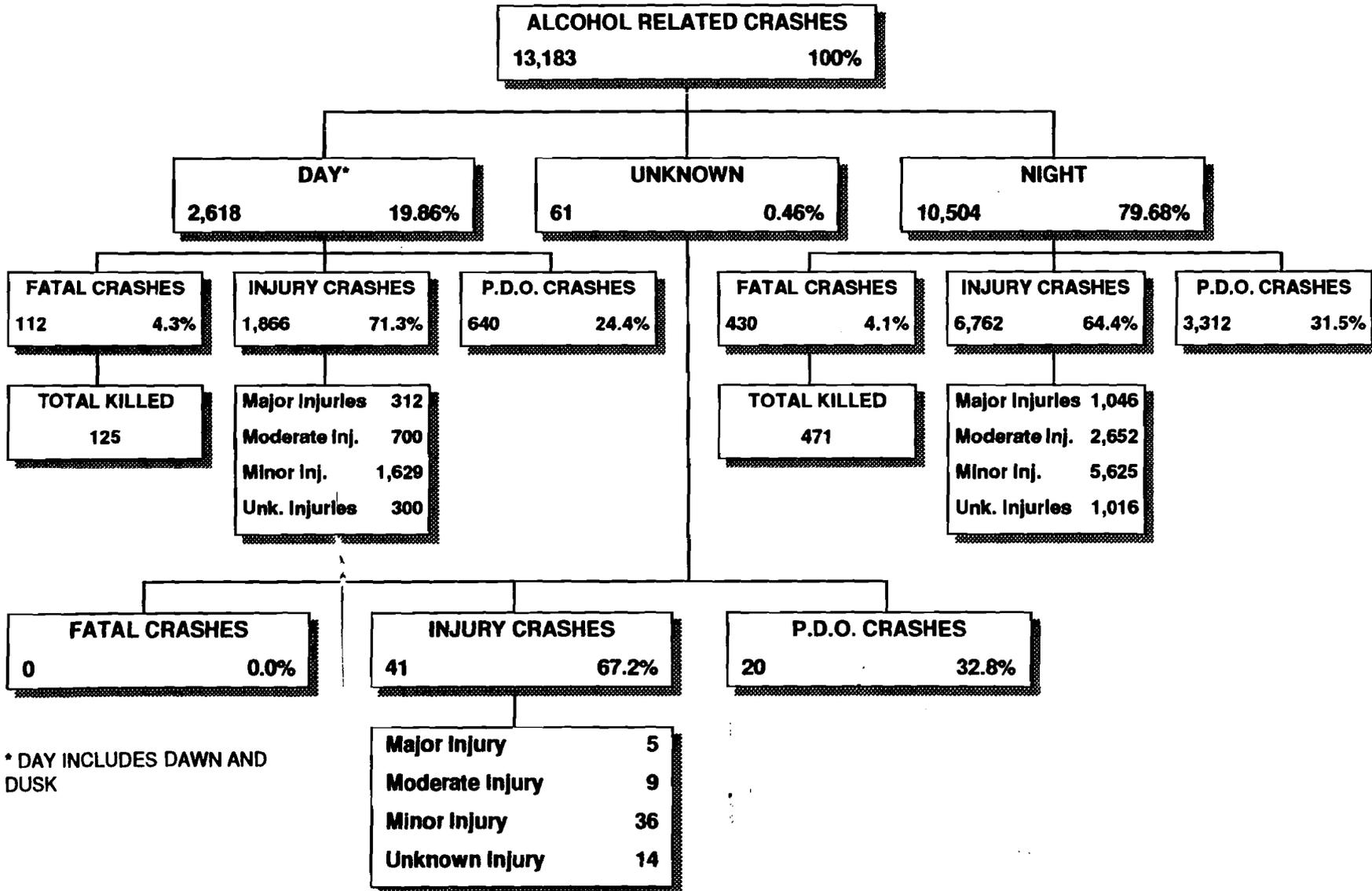
1993 ALCOHOL INVOLVEMENT IN CRASHES: DISTRIBUTION BY CRASH SEVERITY



**ECONOMIC LOSS DUE TO ALCOHOL RELATED
CRASHES= \$1,243,864,574.00**

**THE ECONOMIC LOSS TO EVERY MAN, WOMAN,
AND CHILD IN PENNSYLVANIA DUE TO ALCOHOL
RELATED CRASHES IN 1993 WAS \$103.24.**

1993 ALCOHOL RELATED CRASHES BY ILLUMINATION



* DAY INCLUDES DAWN AND DUSK

33

1993

ALCOHOL RELATED CRASH STATISTICS

	1991	1992	1993	PERCENT CHANGE		
				90-91	91-92	92-93
CRASHES	14,070	13,978	13,183	-14.1	-0.6	-5.7
FATAL CRASHES	616	569	542	-8.1	-7.6	-4.7
INJURY CRASHES	9,511	9,209	8,669	-14.9	-3.2	-5.9
P.D.O. CRASHES	3,943	4,200	3,972	-13.2	+6.5	-5.4
NUMBER KILLED	681	628	596	-7.6	-7.8	-5.1
NUMBER INJURED	14,805	14,225	13,344	-14.0	-3.9	-6.2
MAJOR INJURY	1,612	1,592	1,363	-14.7	-1.2	-14.4
MODERATE INJURY	3,688	3,583	3,361	-22.2	-2.8	-6.2
MINOR INJURY	7,551	7,517	7,290	-11.7	-0.5	-3.0
UNKNOWN INJURY	1,954	1,533	1,330	-4.0	-21.5	-13.2
FATAL CRASHES PER 100,000 LICENSED DRIVERS	7.7	7.1	6.7	-9.4	-7.8	-5.6
INJURY CRASHES PER 100,000 LICENSED DRIVERS	119.3	114.8	107.6	-16.1	-3.8	-6.3
DEATHS PER 100,000 LICENSED DRIVERS	8.5	7.8	7.4	-9.6	-8.2	-5.1
INJURIES PER 100,000 LICENSED DRIVERS	185.8	177.4	165.6	-15.2	-4.5	-6.7

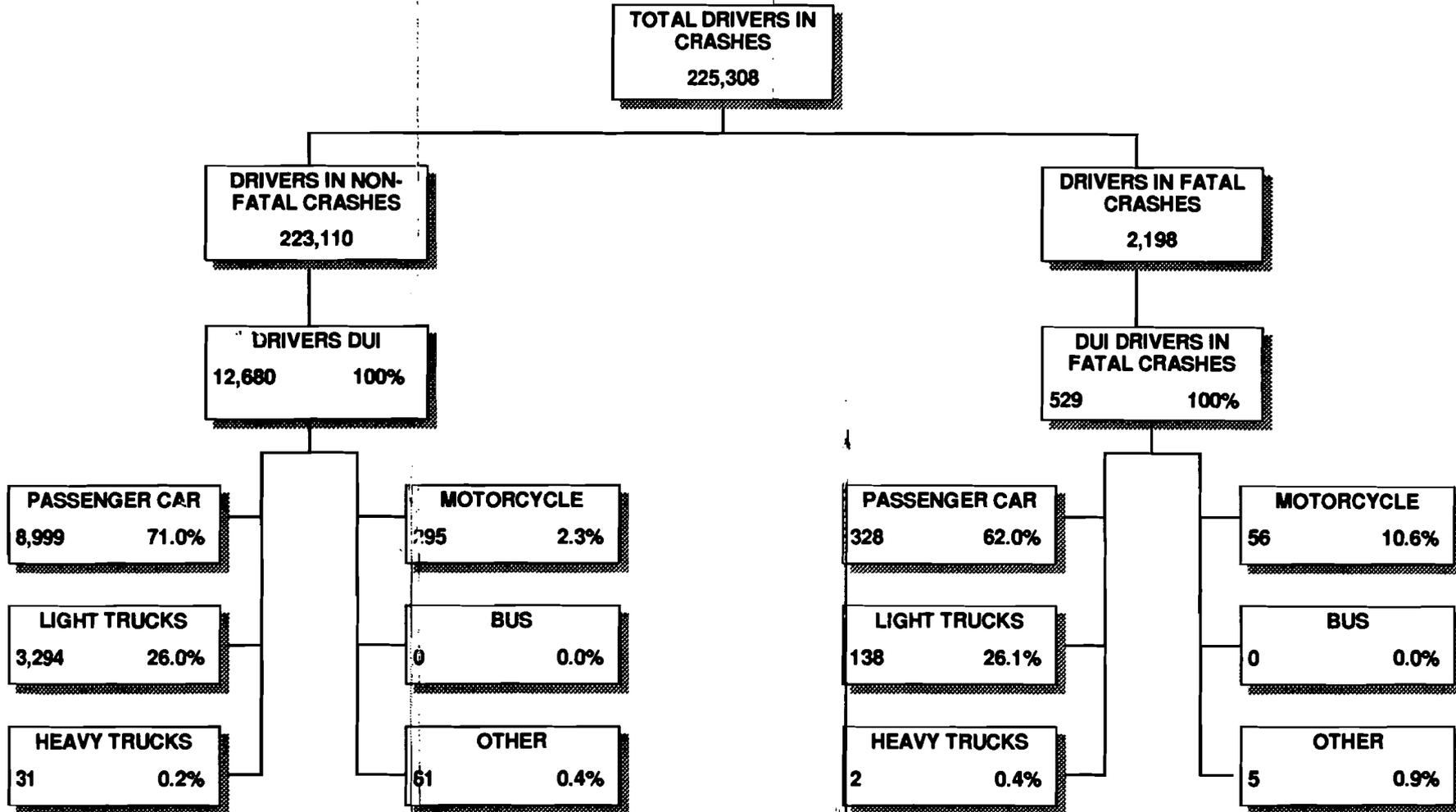
ALCOHOL RELATED CRASHES HISTORICAL DATA

YEAR	FATAL CRASHES	INJURY CRASHES	P.D.O. CRASHES	TOTAL CRASHES	TOTAL KILLED	TOTAL INJURED
1981	823	11,860	6,835	19,518	943	18,522
1982	684	12,508	6,963	20,155	800	19,499
1983	634	12,338	6,457	19,429	720	19,136
1984	625	13,187	6,681	20,493	704	20,179
1985	673	13,219	6,245	20,137	767	20,230
1986	712	14,045	6,787	21,544	789	21,900
1987	767	14,353	6,311	21,431	862	22,044
1988	789	12,764	5,084	18,637	856	19,888
1989	763	11,593	4,632	16,988	825	18,185
1990	670	11,170	4,542	16,382	737	17,050
1991	616	9,511	3,943	14,070	681	14,805
1992	569	9,209	4,200	13,978	628	14,225
1993	542	8,669	3,972	13,183	596	13,344

1989-1993 ALCOHOL-RELATED FATALITIES BY COUNTY

COUNTY	1989 FATALITIES	1990 FATALITIES	1991 FATALITIES	1992 FATALITIES	1993 FATALITIES	ANNUAL GROWTH RATE	PERCENT CHANGE 92-93
ADAMS	8	11	8	10	10	0.24	0.0
ALLEGHENY	52	45	40	50	38	-2.20	-24.0
ARMSTRONG	5	10	12	10	6	0.05	-40.0
BEAVER	14	7	11	10	7	-1.29	-30.0
BEDFORD	4	9	12	3	6	-0.29	100.0
BERKS	35	22	17	21	24	-2.67	9.1
BLAIR	7	13	9	12	7	-0.18	-41.7
BRADFORD	4	5	4	3	2	-0.56	-33.3
BUCKS	33	26	19	22	25	-2.18	13.6
BUTLER	14	13	11	15	7	-0.78	-53.3
CAMBRIA	12	3	7	14	7	-0.14	-50.0
CAMERON	1	.	1	2	1	0.13	-50.0
CARBON	3	9	6	3	9	0.49	200.0
CENTRE	11	7	10	10	1	-0.47	-90.0
CHESTER	24	22	27	25	14	-0.97	-46.2
CLARION	9	5	7	5	5	-0.92	0.0
CLEARFIELD	15	12	7	6	6	-2.57	0.0
CLINTON	7	13	4	1	2	-1.97	100.0
COLUMBIA	8	11	2	7	4	-1.18	-42.9
CRAWFORD	15	5	11	11	4	-1.68	-63.6
CUMBERLAND	6	13	14	4	13	0.59	225.0
DAUPHIN	23	14	11	13	9	-3.28	-30.8
DELAWARE	21	18	15	22	19	0.00	-13.6
ELK	3	2	4	-	5	0.60	-
ERIE	19	21	15	13	11	-2.40	-15.4
FAYETTE	18	17	19	19	17	0.01	-10.5
FOREST	1	2	1	4	-	1.00	-
FRANKLIN	15	13	12	9	5	-2.21	-44.4
FULTON	1	4	3	2	3	-0.09	50.0
GREENE	1	11	3	5	7	-1.21	40.0
HUNTINGDON	2	3	15	7	3	-0.32	-57.1
INDIANA	10	6	11	9	11	0.39	22.2
JEFFERSON	.	5	1	3	3	-0.68	0.0
JUNIATA	2	2	2	1	2	-0.06	100.0
LACKAWANNA	9	17	11	8	13	-0.32	62.5
LANCASTER	32	22	17	18	23	-2.46	27.8
LAWRENCE	7	7	4	4	1	-1.31	-75.0
LEBANON	5	2	10	2	12	1.72	500.0
LEHIGH	19	12	14	11	10	-2.09	-9.1
LUZERNE	26	16	23	17	25	-0.20	47.1
LYCOMING	19	14	11	8	6	-3.38	-25.0
McKEAN	10	5	7	7	9	-0.16	28.6
MERCER	6	11	7	15	8	0.94	-46.7
MIFFLIN	6	3	5	7	2	-0.06	-71.4
MONROE	14	9	18	8	7	-1.23	-12.5
MONTGOMERY	20	18	23	13	18	-0.75	38.5
MONTOUR	4	3	.	1	-	-1.00	-
NORTHAMPTON	21	6	9	9	13	-2.15	44.4
NORTHUMBERLAND	13	10	10	6	6	-1.81	0.0
PERRY	8	6	4	2	3	-1.46	50.0
PIKE	3	2	8	1	4	0.19	300.0
POTTER	2	2	5	3	4	0.40	33.3
SCHUYLKILL	17	12	17	11	12	-1.13	9.1
SNYDER	7	4	3	1	-	-2.04	-
SOMERSET	14	6	6	10	9	-0.99	-10.0
SULLIVAN	2	1	2	-	3	0.32	-
SUSQUEHANNA	7	5	7	7	4	-0.31	-42.9
TIOGA	2	11	7	3	6	-1.04	100.0
UNION	4	3	1	-	2	-0.54	-
VENANGO	4	9	4	6	3	-0.68	-50.0
WARREN	10	4	4	11	4	-0.32	-63.6
WASHINGTON	19	15	21	15	17	-0.42	13.3
WAYNE	2	6	2	4	3	-0.33	-25.0
WESTMORELAND	35	26	24	35	24	-2.64	0.0
WYOMING	5	12	4	3	3	-1.70	0.0
YORK	23	23	22	15	20	-1.29	33.3
PHILADELPHIA	56	41	23	27	29	-7.22	-3.3
TOTALS	843	722	684	628	596		

1993 DRIVER INVOLVEMENT IN ALOHOL RELATED CRASHES BY VEHICLE TYPE



IN THE 13,208 CRASHES INVOLVING ALCOHOL, 12,680 DRIVERS HAD BEEN DRINKING.
IN THE 541 FATAL CRASHES INVOLVING ALCOHOL, 529 DRIVERS HAD BEEN DRINKING.

* Means that both the driver and the pedestrian had been drinking

1993

PERSONS KILLED IN CRASHES INVOLVING DRINKING DRIVERS

TOTAL ALCOHOL RELATED KILLED
596

TOTAL KILLED IN DRINKING DRIVER CRASHES
565

AGE	DRINKING DRIVERS	OCCUPANTS WITH DRINKING DRIVER	NON-DRINKING DRIVERS	OCCUPANTS WITH NON-DRINKING DRIVERS	DRINKING PEDESTRIAN §	NON-DRINKING PEDESTRIANS	AGE
UNDER 16	1 0.18%	7 1.24%	1 0.18%	4 0.71%	0 0.00%	5 0.88%	UNDER 16
16-20	29 5.13%	20 3.54%	5 0.88%	4 0.71%	1 0.18%	0 0.00%	16-20
21-25	86 15.22%	38 6.73%	3 0.53%	2 0.35%	2 0.35%	2 0.35%	21-25
26-60	242 42.83%	31 5.49%	27 4.78%	9 1.59%	3 0.53%	8 1.42%	26-60
OVER 60	12 2.12%	2 0.35%	6 1.06%	9 1.59%	0 0.00%	6 1.06%	OVER 60
UNKNOWN AGE	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	UNKNOWN AGE
TOTAL	370 65.49%	98 17.35%	42 7.43%	28 4.96%	6 1.06%	21 3.72%	TOTAL

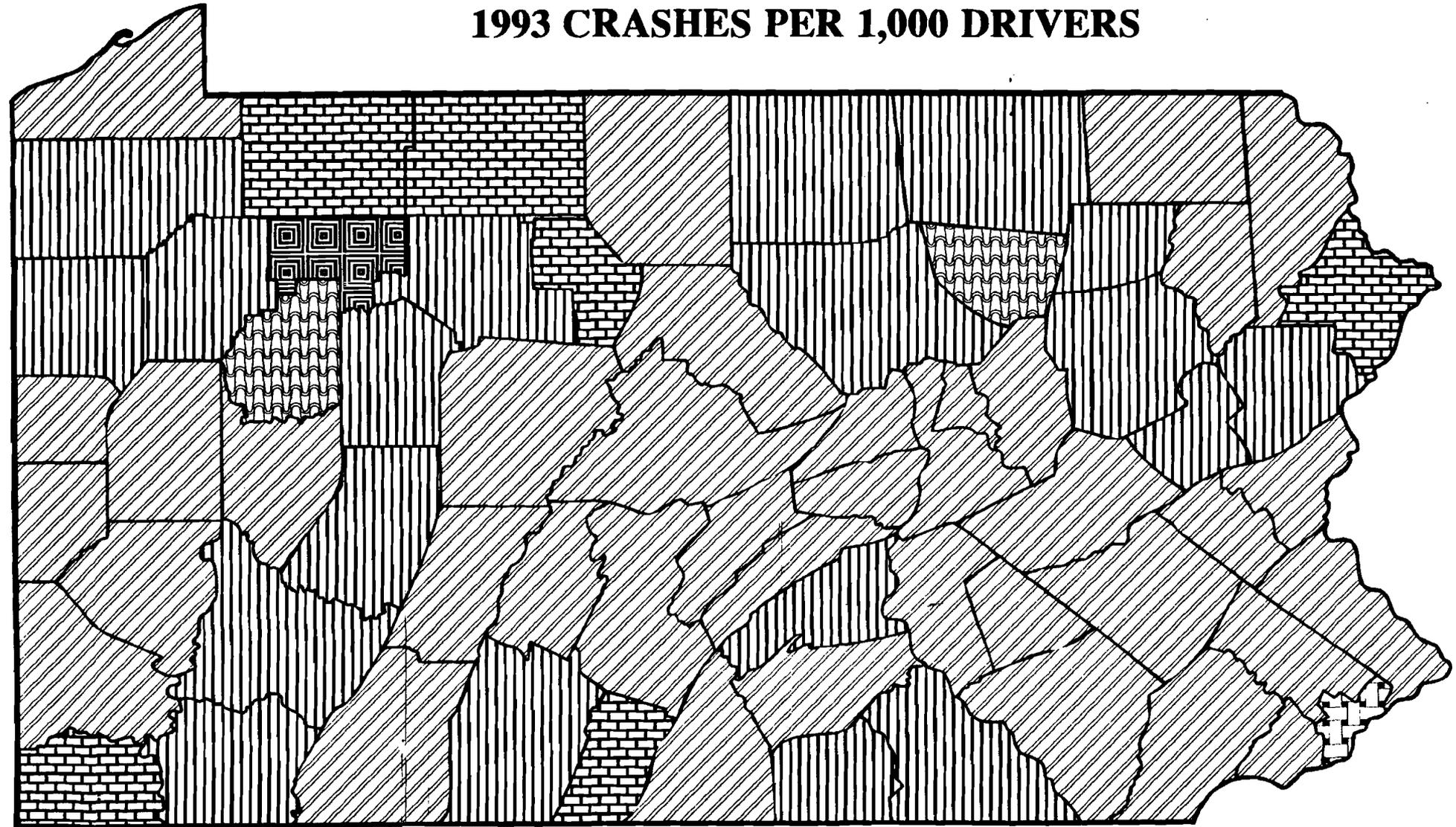
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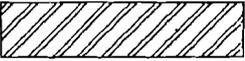
1993

1989-1993 DUI ARRESTS BY COUNTY

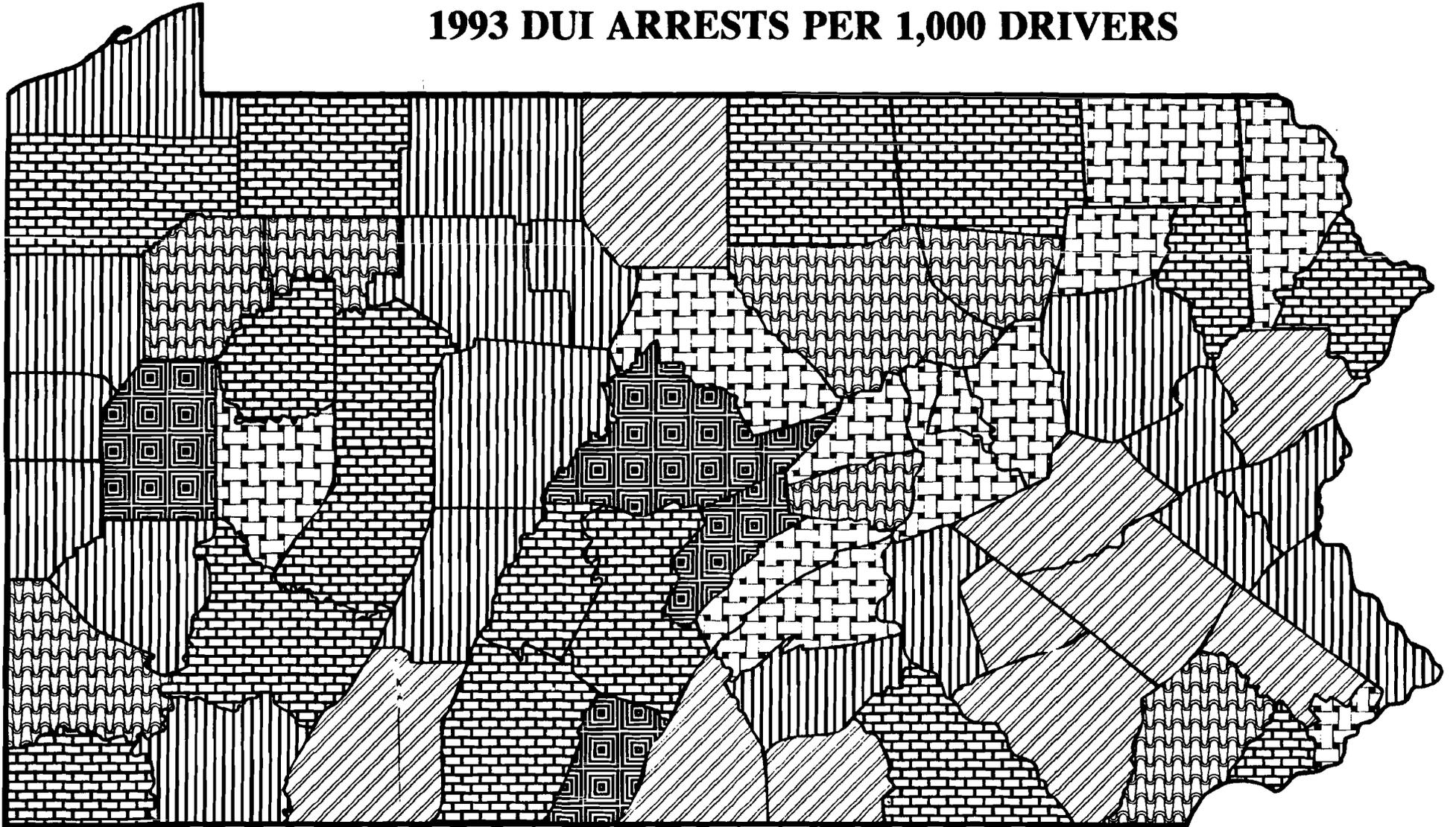
COUNTY	1989 DUI ARRESTS	1990 DUI ARRESTS	1991 DUI ARRESTS	1992 DUI ARRESTS	1993 DUI ARRESTS	ANNUAL GROWTH RATE	PERCENT CHANGE 91-92
ADAMS	283	304	241	195	220	-23.45	12.8
ALLEGHENY	4,972	5,193	4,295	4,079	3,783	-350.55	-7.3
ARMSTRONG	132	174	166	214	170	11.49	-20.6
BEAVER	754	681	653	679	572	-36.10	-15.8
BEDFORD	170	161	170	190	180	4.93	-5.3
BERKS	659	863	1,003	1,006	819	42.49	-18.6
BLAIR	462	431	393	490	466	6.81	-4.9
BRADFORD	117	159	248	323	238	38.36	-26.3
BUCKS	2,907	3,604	3,031	2,004	1,787	-369.03	-10.8
BUTLER	714	773	738	932	911	56.07	-2.3
CAMBRIA	451	459	398	405	477	0.54	17.8
CAMERON	40	31	50	43	19	-1.30	-55.8
CARBON	194	211	237	229	197	2.55	-14.0
CENTRE	637	672	784	668	591	-8.54	-11.5
CHESTER	1,457	1,706	1,523	1,612	1,630	22.70	1.1
CLARION	151	173	138	173	151	0.00	-12.7
CLEARFIELD	251	300	248	285	271	1.98	-4.9
CLINTON	155	173	118	120	68	-21.03	-43.3
COLUMBIA	158	154	121	106	122	-12.08	15.1
CRAWFORD	303	318	319	355	363	15.80	2.3
CUMBERLAND	962	937	954	773	740	-59.14	-4.3
DAUPHIN	835	1,041	1,075	833	734	-40.48	-11.9
DELAWARE	1,751	2,102	1,899	1,842	1,897	-1.14	3.0
ELK	210	222	200	103	122	-27.34	18.4
ERIE	850	1,207	1,164	966	876	-26.30	-9.3
FAYETTE	290	488	426	378	435	10.77	15.1
FOREST	42	36	35	36	29	-2.58	-19.4
FRANKLIN	462	421	456	382	272	-37.84	-28.8
FULTON	42	37	45	71	92	14.38	29.6
GREENE	101	119	106	125	152	11.29	21.6
HUNTINGDON	81	133	187	155	179	18.29	15.5
INDIANA	323	337	349	280	331	-3.51	18.2
JEFFERSON	225	206	210	175	193	-9.64	10.3
JUNIATA	45	85	85	77	38	-1.76	-50.6
LACKAWANNA	481	791	851	874	791	56.70	-9.5
LANCASTER	1,213	1,217	1,269	1,073	945	-64.62	-11.9
LAWRENCE	497	546	500	406	354	-41.13	-12.8
LEBANON	495	400	366	334	296	-48.13	-11.4
LEHIGH	1,000	1,066	1,068	918	904	-33.447	-1.5
LUZERNE	973	1,226	919	1,075	977	-18.06	-9.1
LYCOMING	572	579	530	515	527	-15.48	2.3
McKEAN	116	182	155	141	134	-2.64	-5.0
MERCER	545	572	474	416	424	-39.99	1.9
MIFFLIN	196	173	236	258	258	20.37	0.0
MONROE	239	315	320	302	279	5.11	-7.6
MONTGOMERY	3,063	3,044	2,856	2,776	2,069	-208.79	-25.5
MONTOUR	42	54	40	44	29	-3.37	-34.1
NORTHAMPTON	1,188	1,192	1,106	1,004	791	-93.29	-21.2
NORTHUMBERLAND	287	367	265	211	197	-34.36	-6.6
PERRY	146	146	112	74	95	-17.03	28.4
PIKE	81	81	101	125	129	14.06	3.2
POTTER	33	40	32	34	42	1.25	23.5
SCHUYLKILL	480	532	441	444	392	-26.40	-11.7
SNYDER	128	132	134	137	151	5.20	10.2
SOMERSET	223	253	271	233	206	-5.20	-11.6
SULLIVAN	7	3	6	24	29	6.60	20.8
SUSQUEHANNA	41	61	66	81	34	3.20	-58.0
TIOGA	167	168	146	124	159	-5.50	28.2
UNION	84	95	88	84	52	-6.20	-38.1
VENANGO	384	339	321	309	259	-27.90	-16.2
WARREN	166	187	198	163	191	2.60	17.2
WASHINGTON	807	960	876	871	891	6.10	2.3
WAYNE	109	115	138	147	107	3.60	-27.2
WESTMORELAND	1,401	1,674	1,323	1,225	1,384	-50.80	13.0
WYOMING	83	104	146	59	57	-6.70	-3.4
YORK	1,385	1,457	1,313	1,229	1,315	-36.80	7.0
PHILADELPHIA	2,229	2,391	2,252	1,864	1,798	-136.30	-3.5
TOTALS	40,048	44,373	40,984	37,878	35,381	1,582.7	-6.6

1993 CRASHES PER 1,000 DRIVERS



CRASH RATE	Pattern	Range	Pattern	Range	Pattern	Range
		UNDER 1.0		1.0 - 1.99		2.00 - 2.49
		2.50 - 2.99		3.0 - 3.99		OVER 5.0

1993 DUI ARRESTS PER 1,000 DRIVERS

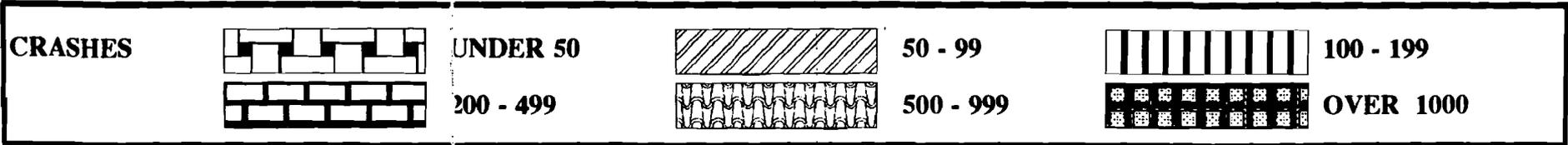
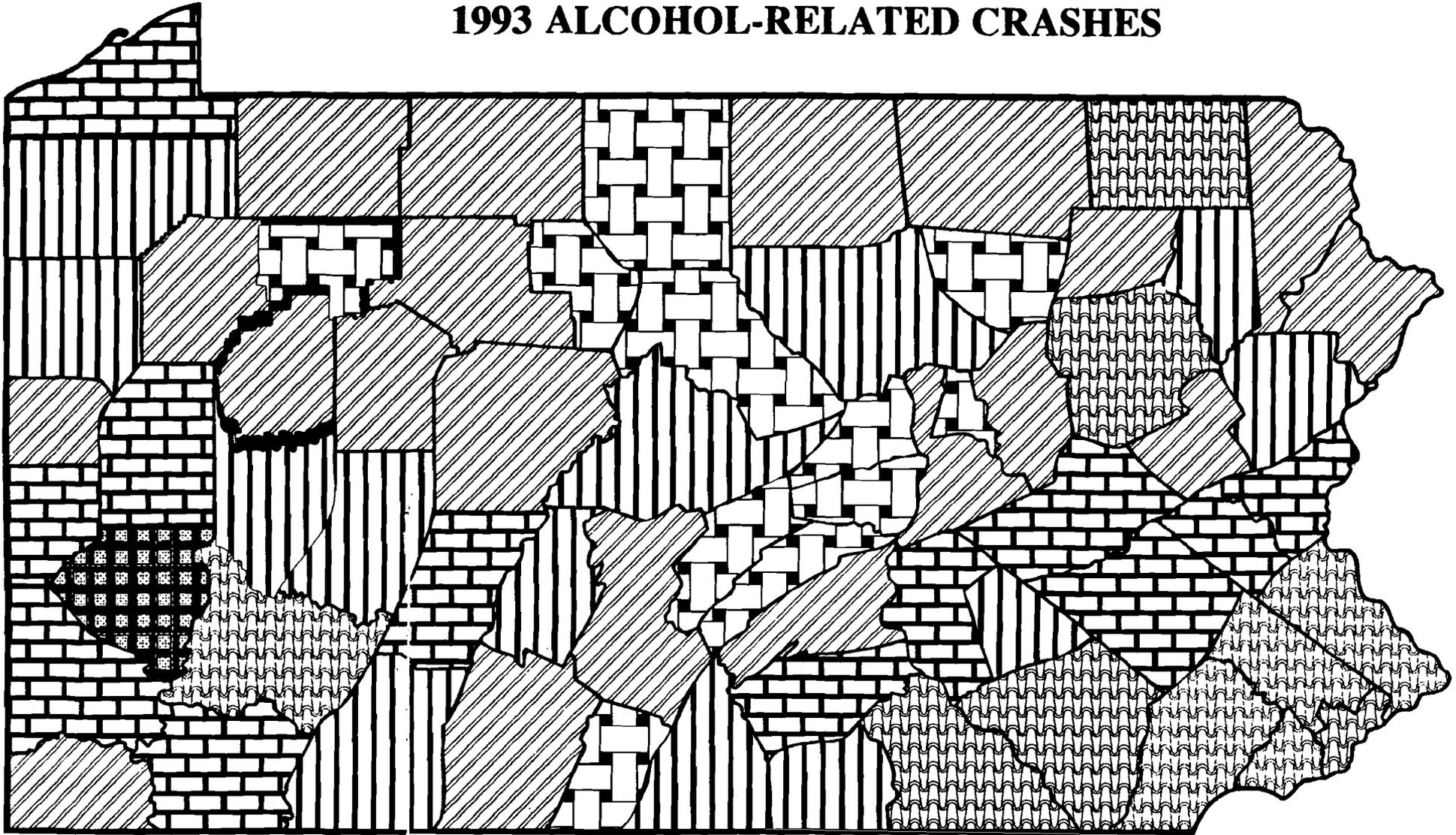


ARREST RATE	1.0 - 2.9	3.0 - 3.9	4.0 - 4.9
	5.0 - 5.9	6.0 - 6.9	7.0 - 9.9

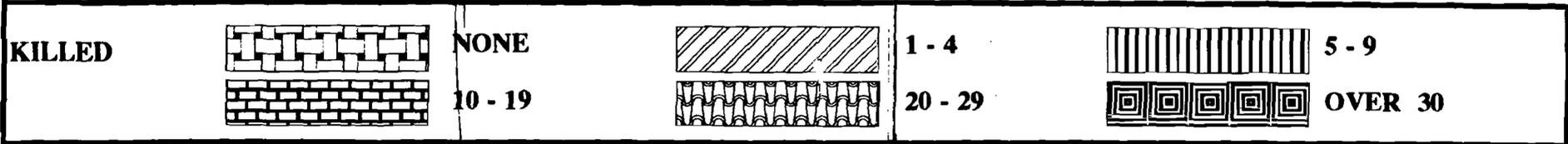
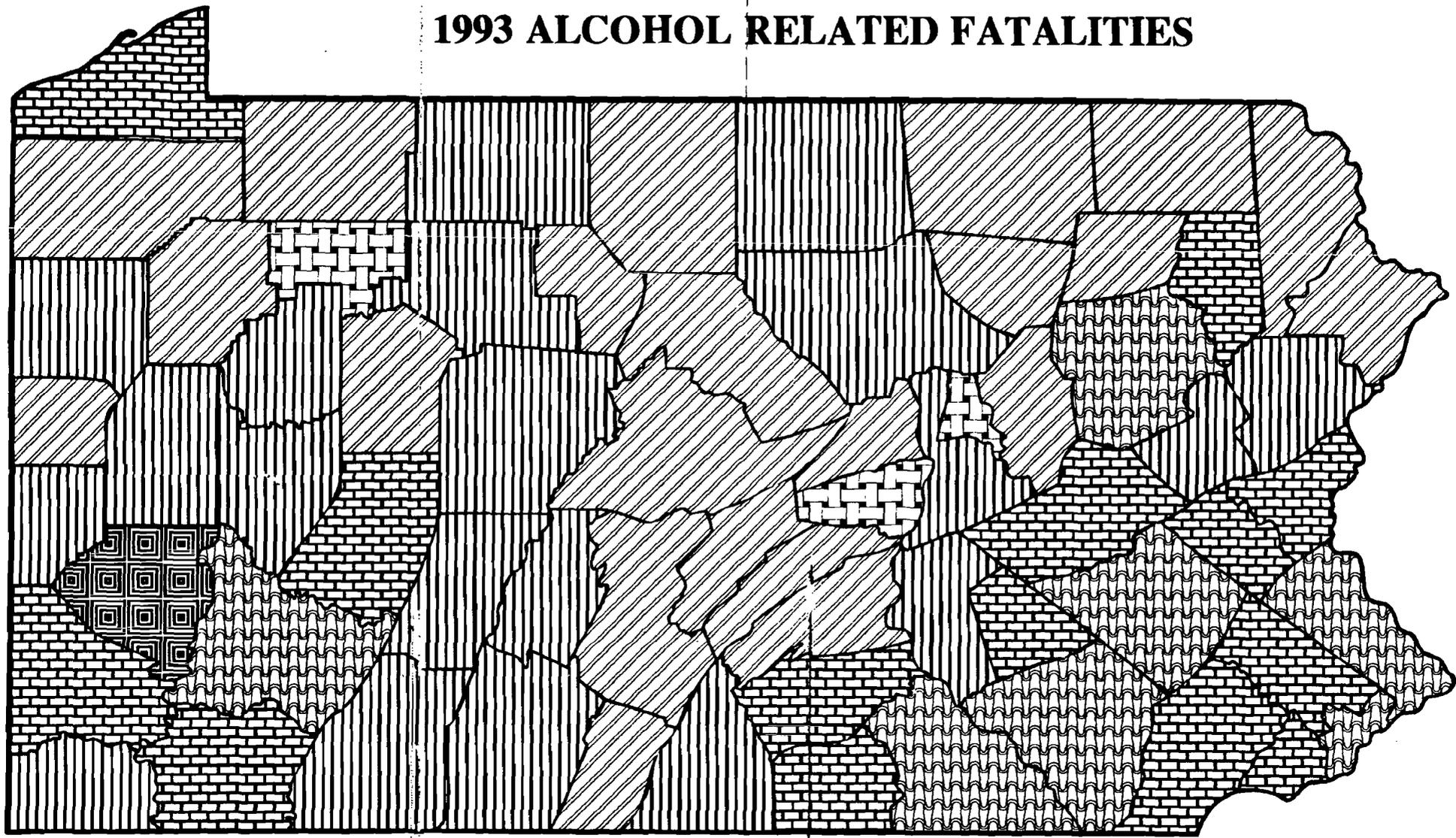
40

1993

1993 ALCOHOL-RELATED CRASHES



1993 ALCOHOL RELATED FATALITIES



25

1993

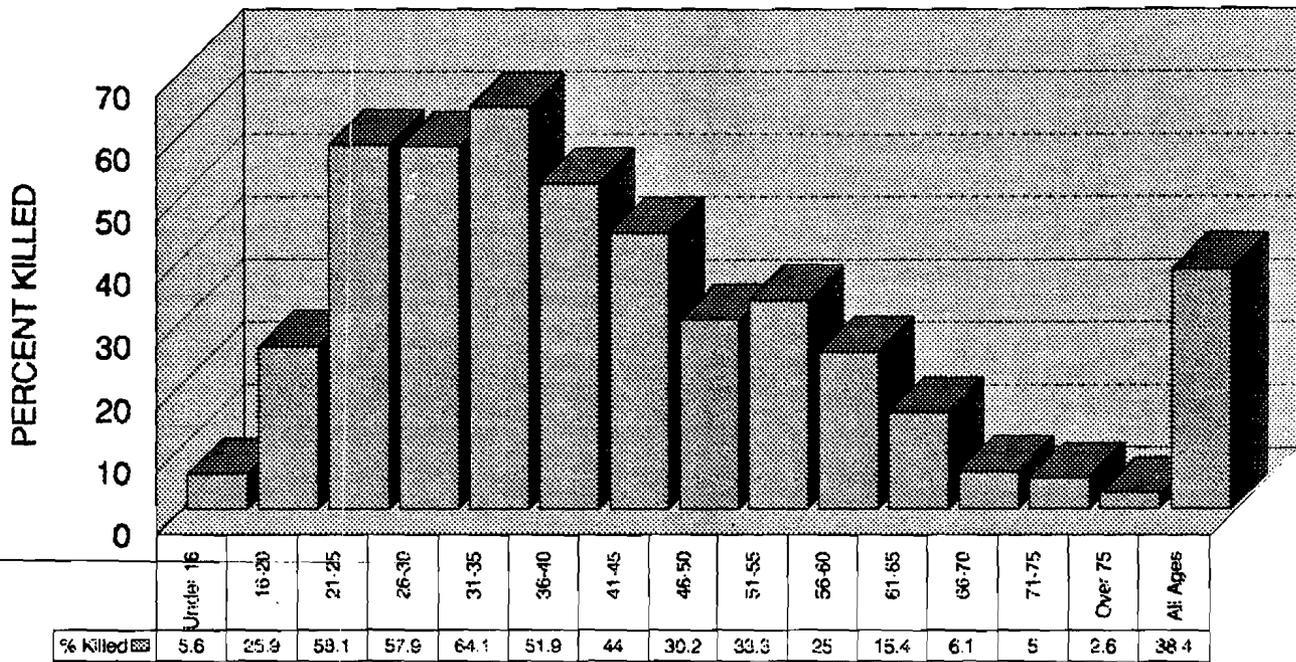
1993 ALCOHOL RELATED CRASHES BY MONTH

MONTH	TOTAL CRASHES		FATAL CRASHES		FATALITIES	
	TOTAL	ME.C.D*	TOTAL	ME.C.D*	TOTAL	ME.F.D.**
JANUARY	1,039	33.52	36	1.16	37	1.19
FEBRUARY	866	30.93	46	1.64	50	1.79
MARCH	1,038	33.48	37	1.19	40	1.29
APRIL	1,067	35.57	34	1.13	36	1.20
MAY	1,130	36.45	48	1.55	56	1.81
JUNE	1,020	34.00	44	1.47	46	1.53
JULY	1,044	33.68	58	1.87	64	2.06
AUGUST	1,074	34.65	51	1.65	61	1.97
SEPTEMBER	1,167	38.90	47	1.57	51	1.70
OCTOBER	1,310	42.26	56	1.81	60	1.94
NOVEMBER	1,151	38.37	47	1.57	53	1.77
DECEMBER	1,277	41.19	38	1.23	42	1.35
YEAR OVERALL	13,183	36.12	542	1.48	596	1.63

* Mean CRASHES Per Day

** Mean Fatalities Per Day

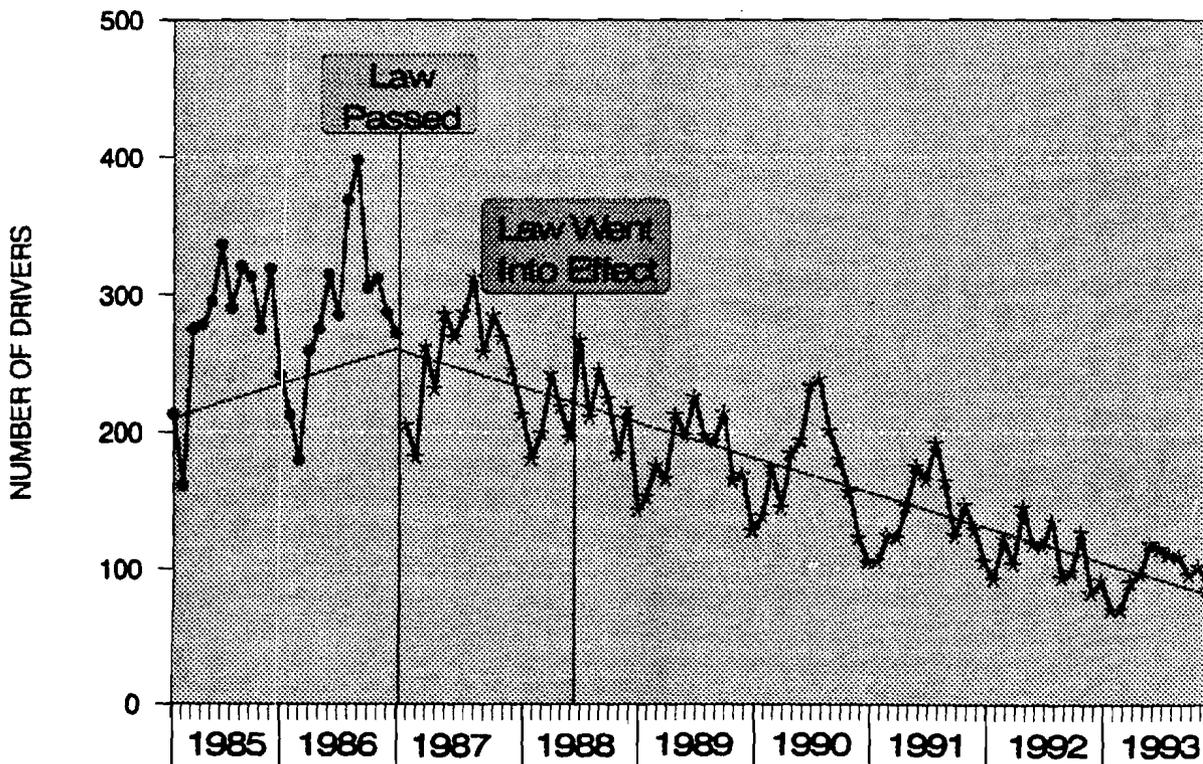
DRIVERS KILLED USING ALCOHOL AS A PERCENTAGE OF TOTAL DRIVER DEATHS - 1993



UNDERAGE DRINKING DRIVERS

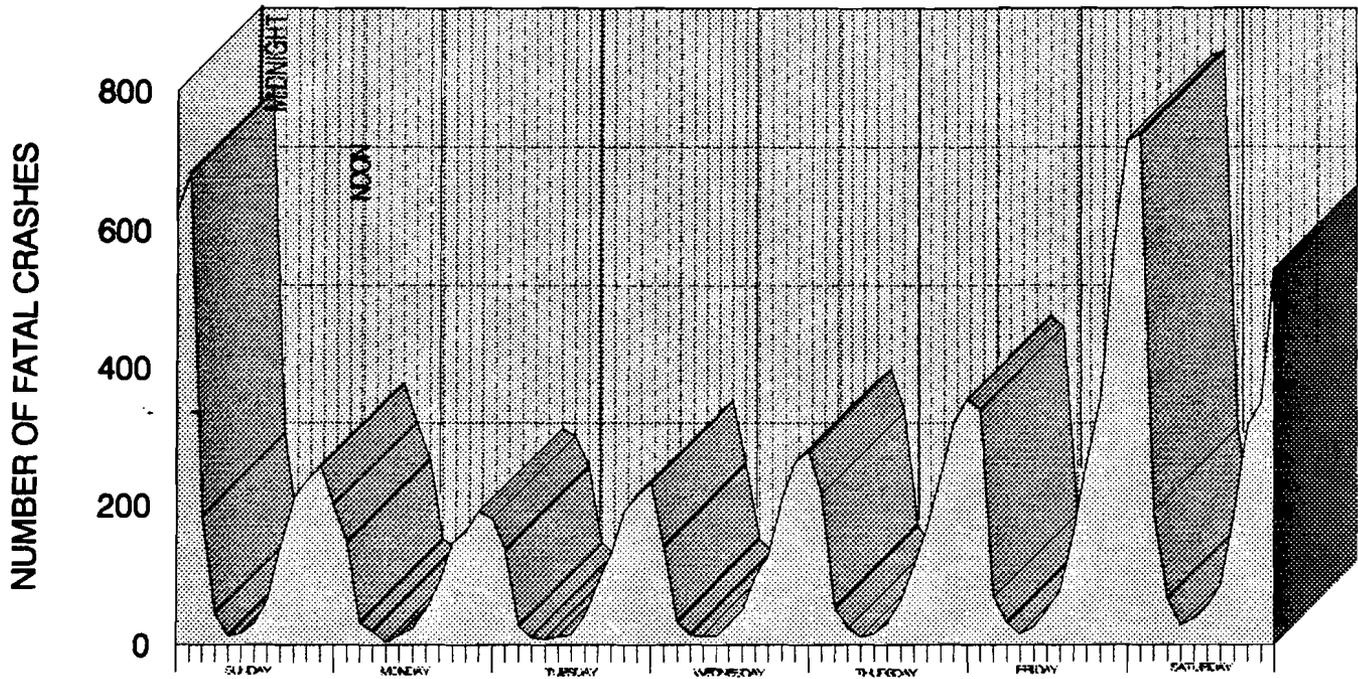
IN PENNSYLVANIA ACCIDENTS

1985 - 1993



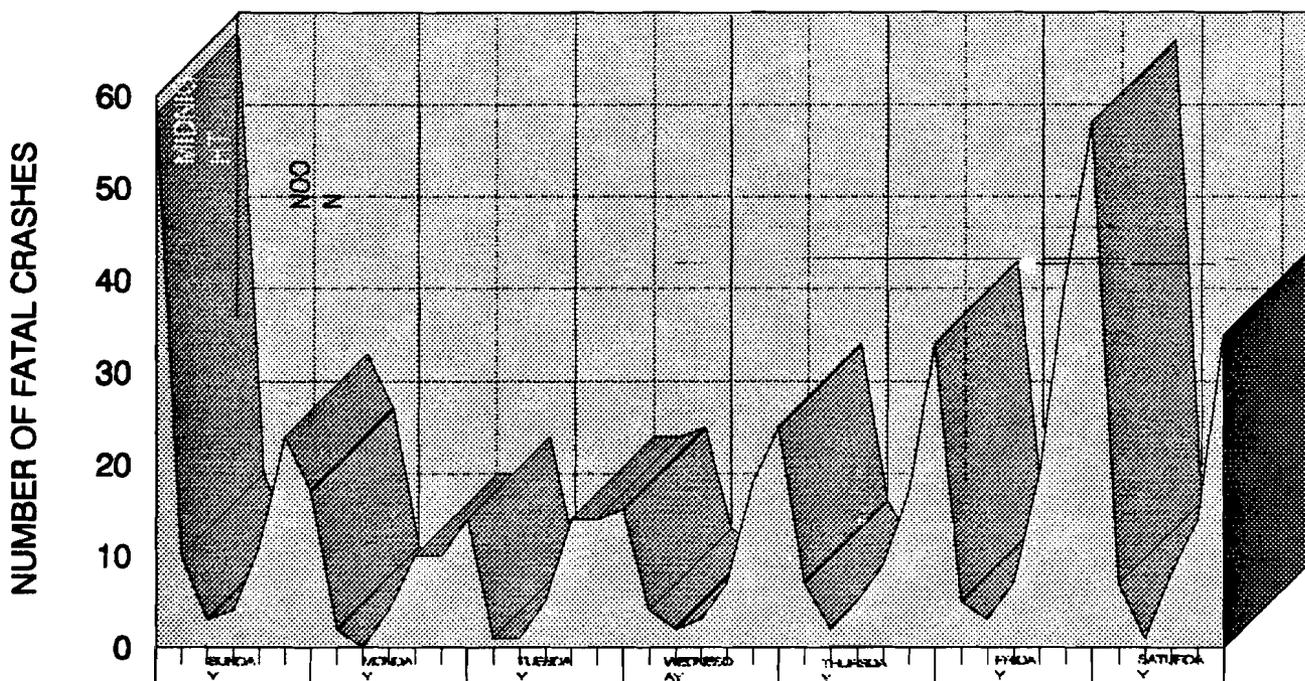
1993 ALCOHOL-RELATED CRASHES

TIME BY DAY OF WEEK



1993 ALCOHOL-RELATED FATAL CRASHES

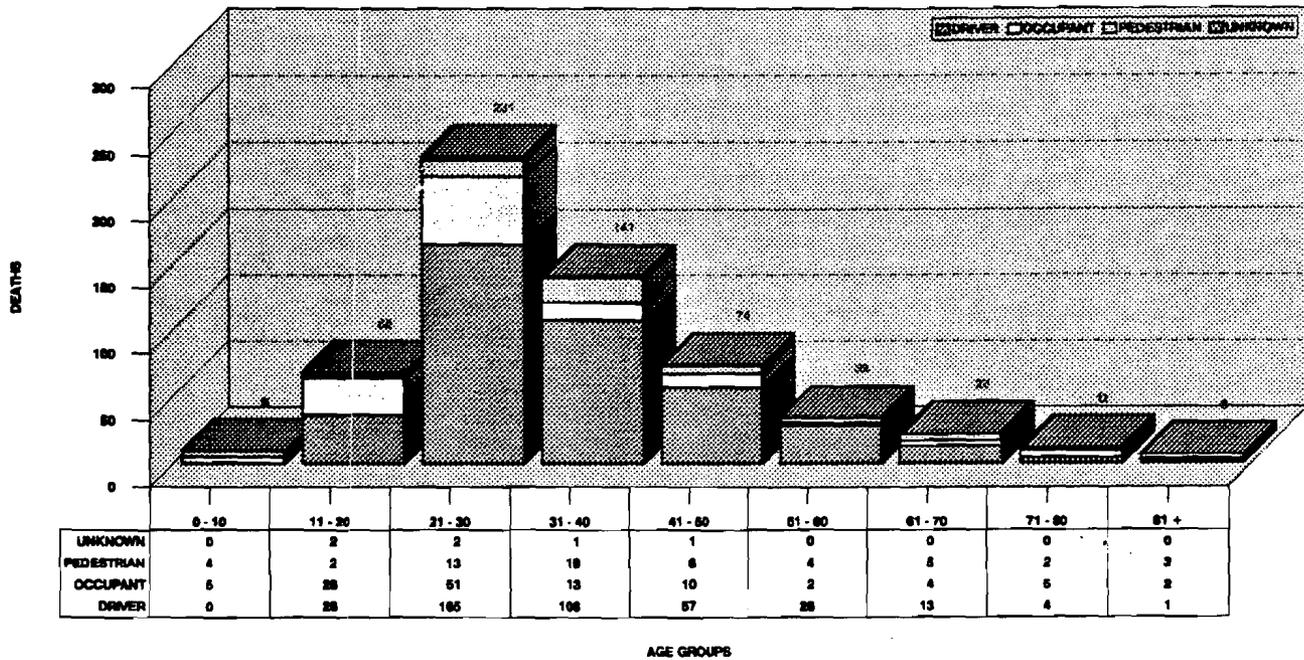
TIME BY DAY OF WEEK



VICTIMS OF ALCOHOL-RELATED FATAL CRASHES

DISTRIBUTION BY AGE

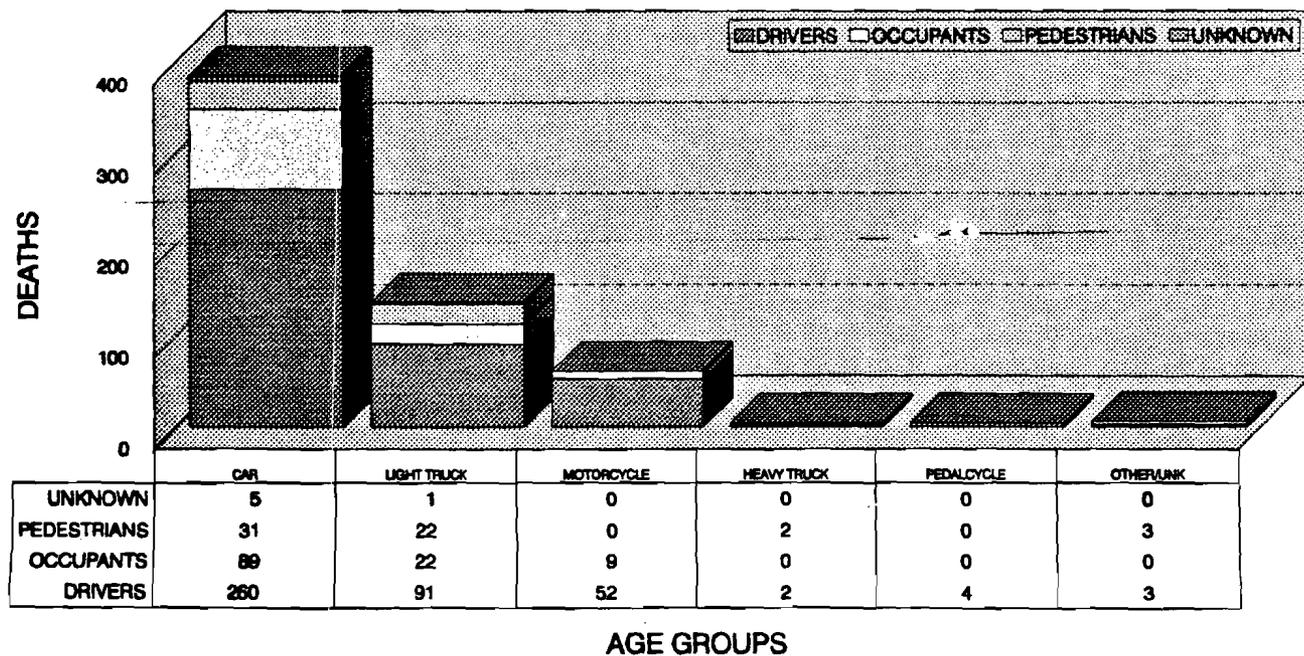
1993



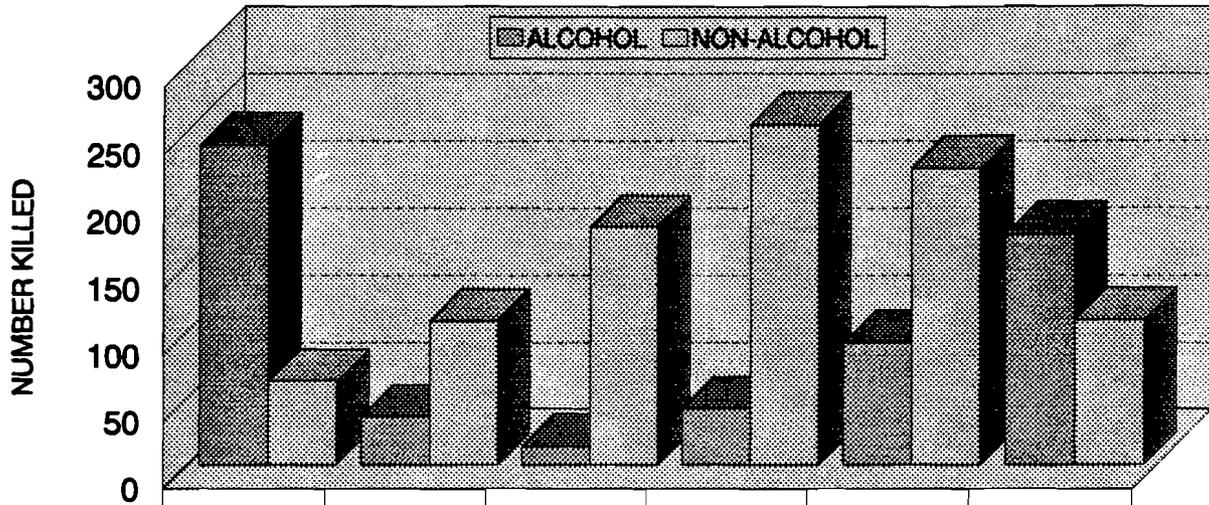
VICTIMS OF ALCOHOL-RELATED FATAL CRASHES

DISTRIBUTION BY VEHICLE TYPE

1993

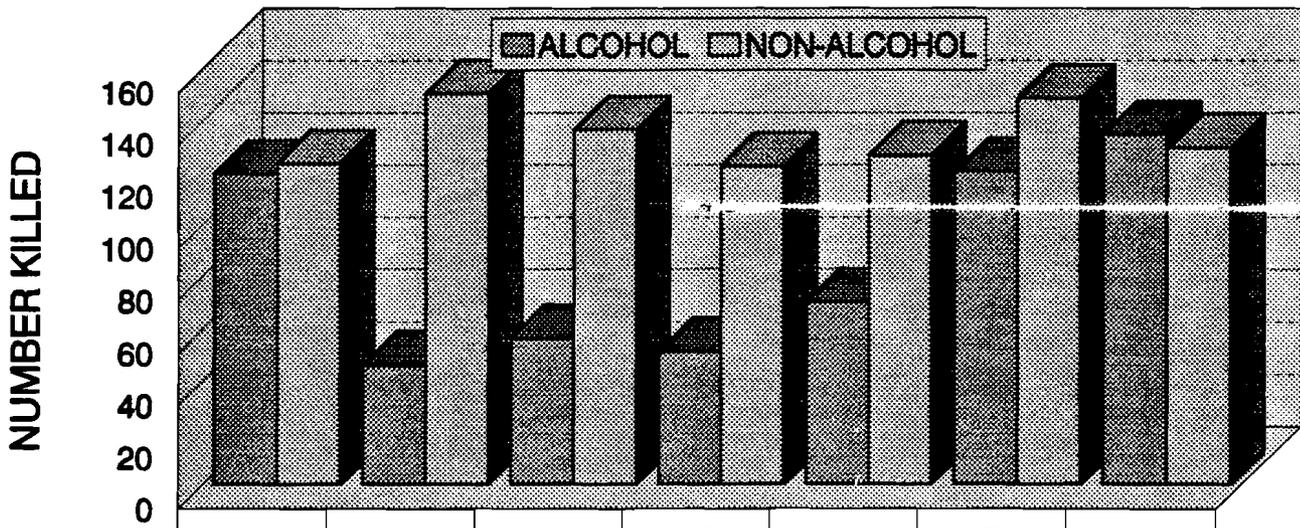


VICTIMS OF FATAL CRASHES - 1993 DISTRIBUTION BY TIME OF DAY



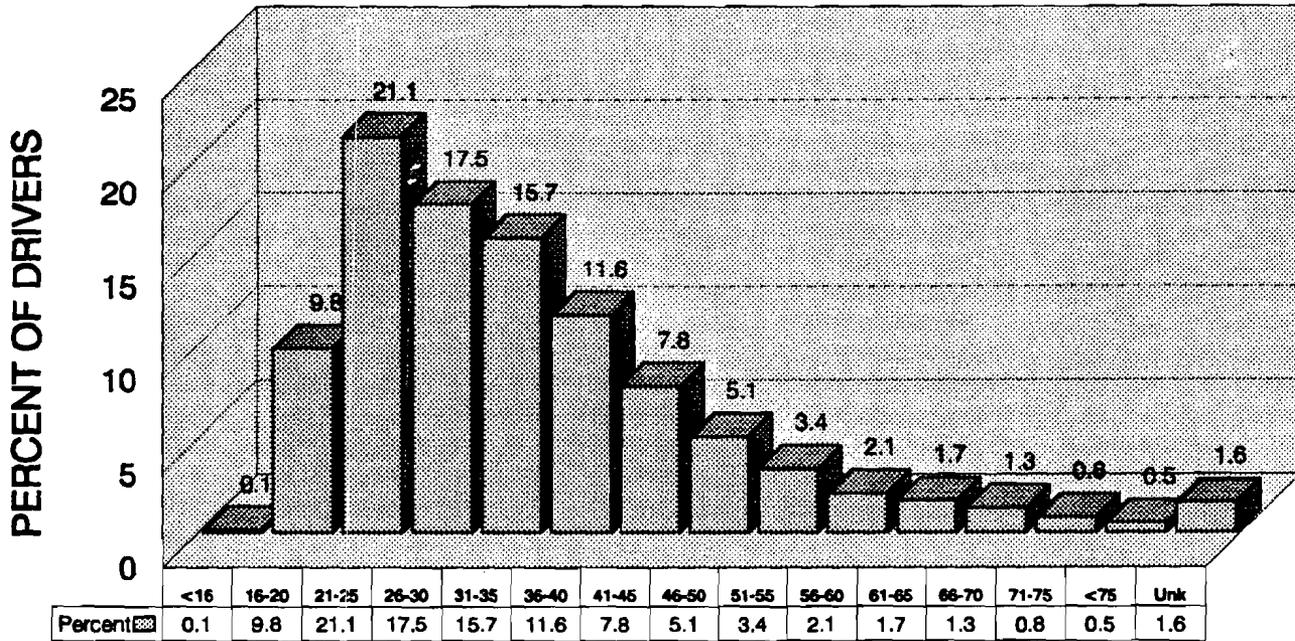
	12:00 - 3:59 AM	4:00 - 7:59 AM	8:00 - 11:59 AM	NOON - 3:59 PM	4:00 - 7:59 PM	8:00 - 11:59 PM
ALCOHOL	239	36	14	42	92	173
NON-ALCOHOL	63	108	178	254	222	109

VICTIMS OF FATAL CRASHES - 1993 DISTRIBUTION BY DAY OF WEEK

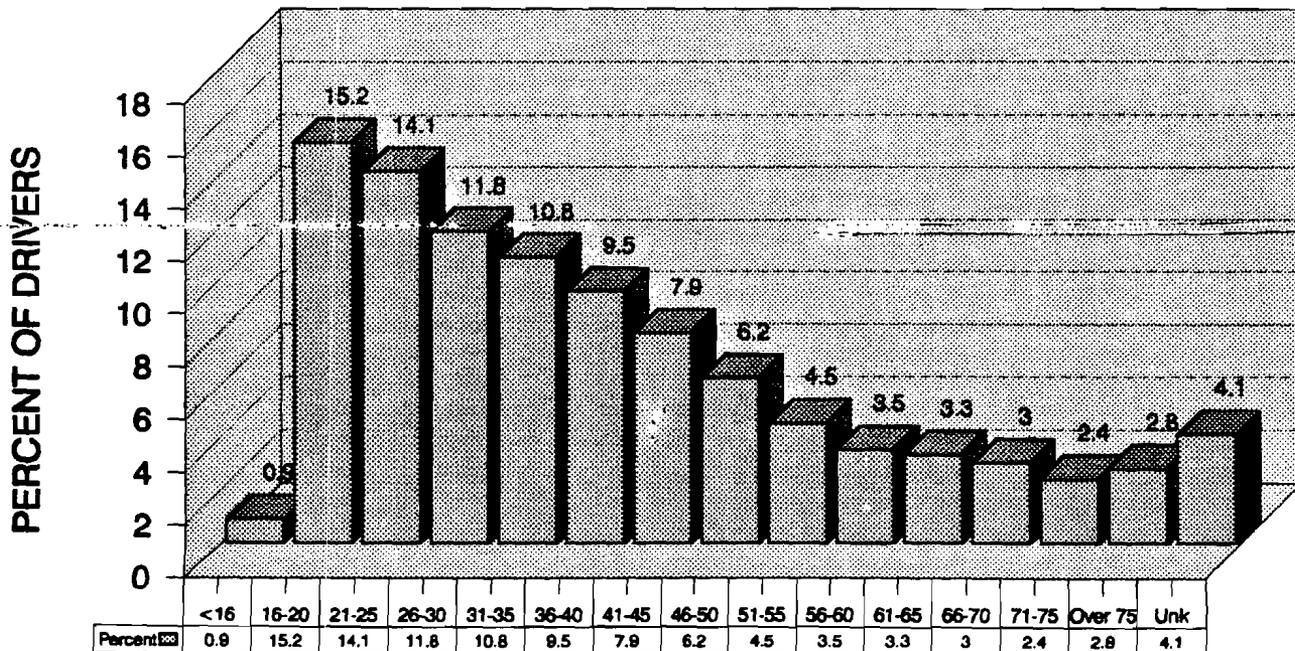


	SUN	MON	TUE	WED	THU	FRI	SAT
ALCOHOL	119	46	56	51	70	120	134
NON-ALCOHOL	123	150	136	122	126	148	129

PERCENT OF DRIVER INVOLVEMENT IN 1993 ALCOHOL-RELATED CRASHES BY AGE GROUP

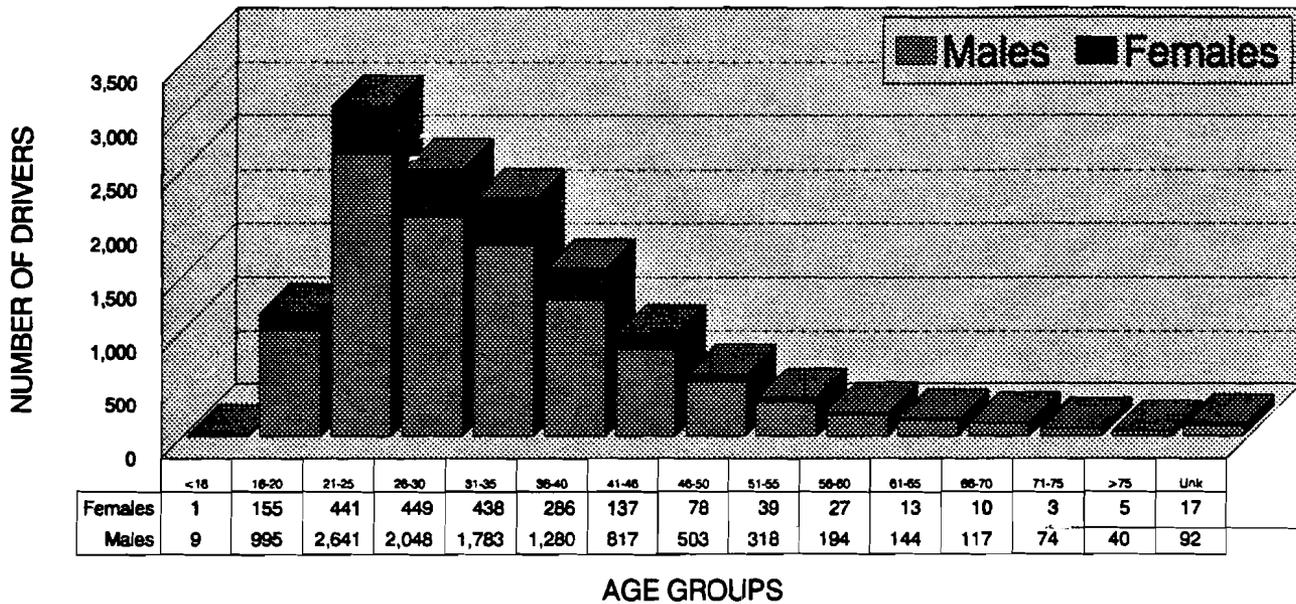


PERCENT OF DRIVER INVOLVEMENT IN 1993 NON-ALCOHOL-RELATED CRASHES BY AGE GROUP

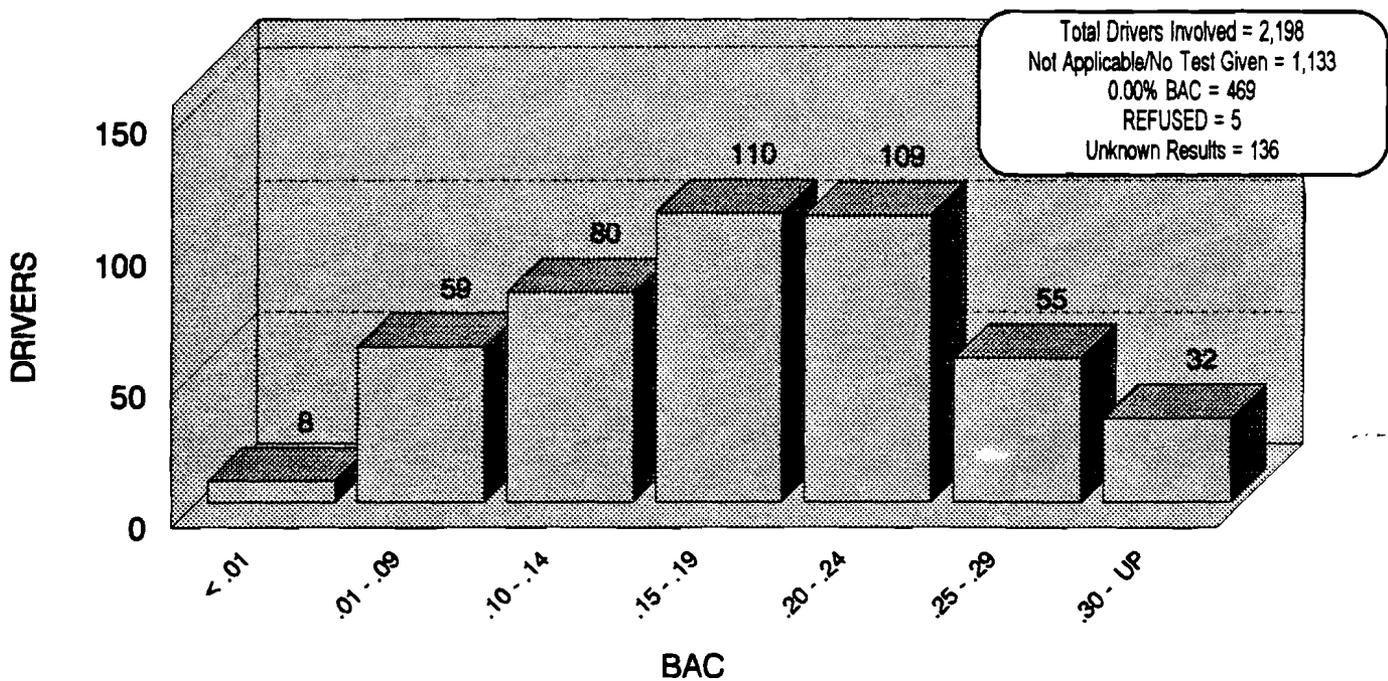


1993 DRINKING DRIVERS

BY AGE AND SEX



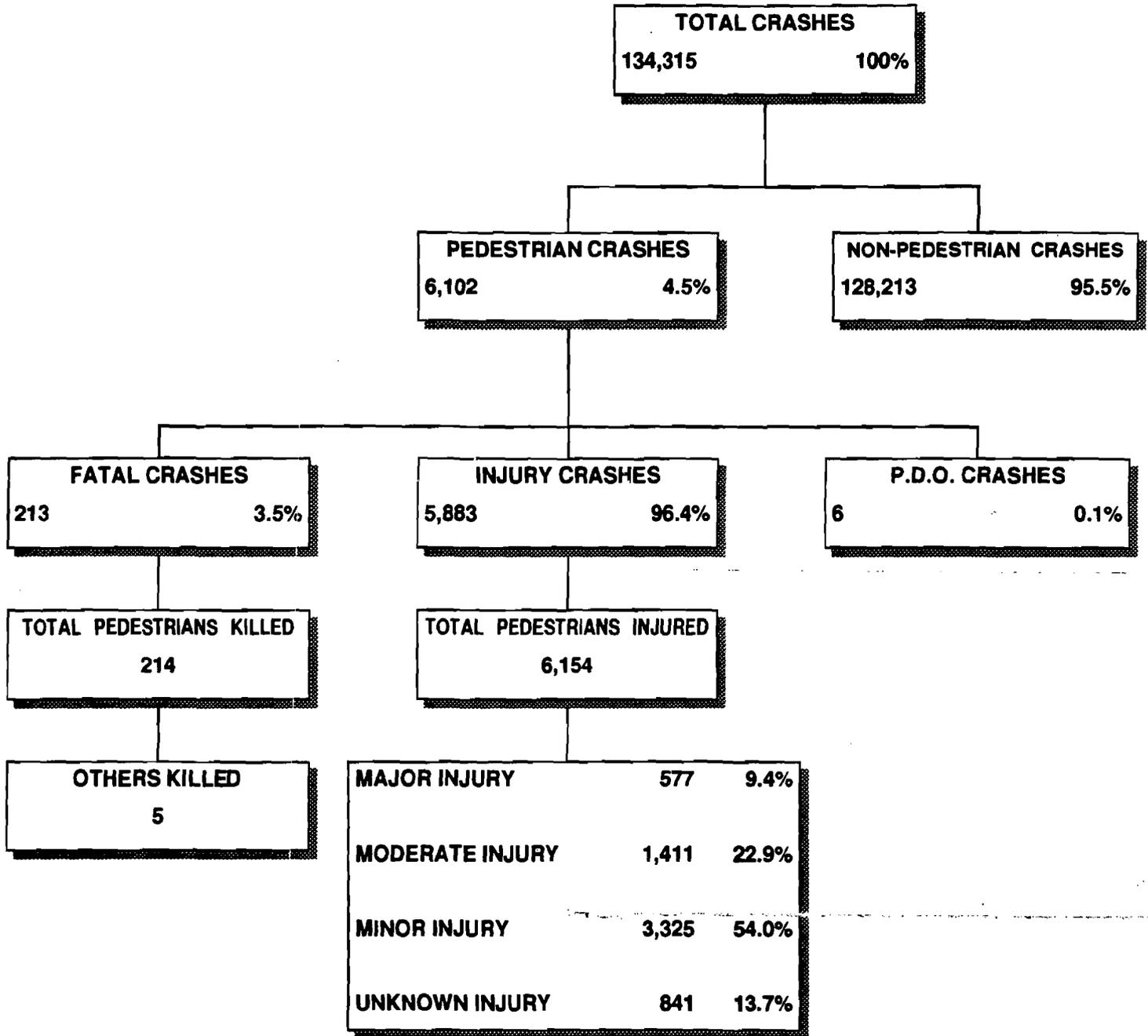
BLOOD ALCOHOL CONTENT (BAC) DRIVERS IN FATAL ACCIDENTS - 1993





VII. PEDESTRIAN RELATED ACCIDENT STATISTICS

1993 PEDESTRIAN RELATED CRASHES: DISTRIBUTION BY SEVERITY



1989-1993 PEDESTRIAN FATALITIES BY COUNTY

COUNTY	1989	1990	1991	1992	1993
ADAMS	0	2	1	1	0
ALLEGHENY	25	22	16	21	15
ARMSTRONG	1	3	1	1	0
BEAVER	1	5	3	1	1
BEDFORD	0	1	1	1	0
BERKS	5	6	8	0	3
BLAIR	4	4	5	5	2
BRADFORD	2	0	1	5	0
BUCKS	8	10	13	19	13
BUTLER	2	3	3	1	1
CAMBRIA	8	2	2	2	2
CAMERON	0	0	0	1	0
CARBON	4	2	1	2	4
CENTRE	2	0	2	1	3
CHESTER	8	4	6	11	8
CLARION	1	2	2	1	0
CLEARFIELD	0	0	1	0	3
CLINTON	0	2	0	0	0
COLUMBIA	1	4	1	1	0
CRAWFORD	0	1	0	2	0
CUMBERLAND	2	5	1	3	2
DAUPHIN	9	5	5	8	2
DELAWARE	12	7	9	10	8
ELK	0	1	0	1	0
ERIE	9	10	6	10	6
FAYETTE	3	1	4	4	4
FOREST	1	0	0	0	0
FRANKLIN	3	1	2	3	1
FULTON	0	1	0	0	1
GREENE	0	1	0	1	2
HUNTINGDON	0	0	0	1	0
INDIANA	3	2	2	1	2
JEFFERSON	0	2	2	1	0
JUNIATA	0	1	1	1	0
LACKAWANNA	4	5	5	2	2
LANCASTER	7	15	9	9	8
LAWRENCE	2	3	1	1	0
LEBANON	3	2	1	0	1
LEHIGH	3	5	10	3	7
LUZERNE	8	8	5	6	8
LYCOMING	2	3	2	3	1
McKEAN	2	1	0	2	0
MERCER	3	2	1	3	3
MIFFLIN	3	1	0	0	2
MONROE	3	3	7	3	3
MONTGOMERY	11	12	13	14	12
MONTOUR	0	0	0	0	1
NORTHAMPTON	4	4	4	4	2
NORTHUMBERLAND	4	1	2	1	3
PERRY	2	3	1	0	1
PIKE	0	0	0	1	1
POTTER	0	1	1	1	0
SCHUYLKILL	5	4	3	1	3
SNYDER	1	0	1	1	0
SOMERSET	2	0	0	0	1
SULLIVAN	0	0	0	0	0
SUSQUEHANNA	2	1	0	0	0
TIOGA	2	0	0	1	0
UNION	1	3	0	0	0
VENANGO	1	1	4	2	4
WARREN	3	0	1	0	0
WASHINGTON	1	3	6	4	4
WAYNE	0	0	2	1	1
WESTMORELAND	8	5	4	4	7
WYOMING	0	3	0	1	0
YORK	4	7	5	4	2
PHILADELPHIA	46	61	47	39	54
TOTAL	251	267	234	231	214

PEDESTRIAN INJURY SEVERITY BY STRIKING VEHICLE TYPE 1993 CRASHES

COLUMN %	PASSENGER CAR	LIGHT TRUCK	HEAVY TRUCK	BUS TYPE	MOTORCYCLE BODY TYPE	OTHER/ UNKNOWN	TOTAL
DEATH	135 2.84%	54 5.15%	12 12.63%	3 4.41%	1 2.56%	9 2.19%	214
MAJOR INJURY	408 8.58%	113 10.77%	17 17.89%	4 5.88%	4 10.26%	31 7.54%	577
MODERATE INJURY	1,039 21.85%	224 21.35%	16 16.84%	19 27.94%	9 23.08%	104 25.30%	1,411
MINOR INJURY	2,476 52.07%	524 49.95%	40 42.11%	32 47.06%	22 56.41%	232 56.45%	3,326
NO INJURY	41 0.86%	5 0.48%	1 1.05%	0 0.00%	2 5.13%	0 0.00%	49
UNKNOWN INJURY	656 13.80%	129 12.30%	9 9.47%	10 14.71%	1 2.56%	35 8.52%	840
TOTAL	4,755 100.0%	1,049 100.0%	95 100.0%	68 100.0%	39 100.0%	411 100.0%	6,417

52

1993

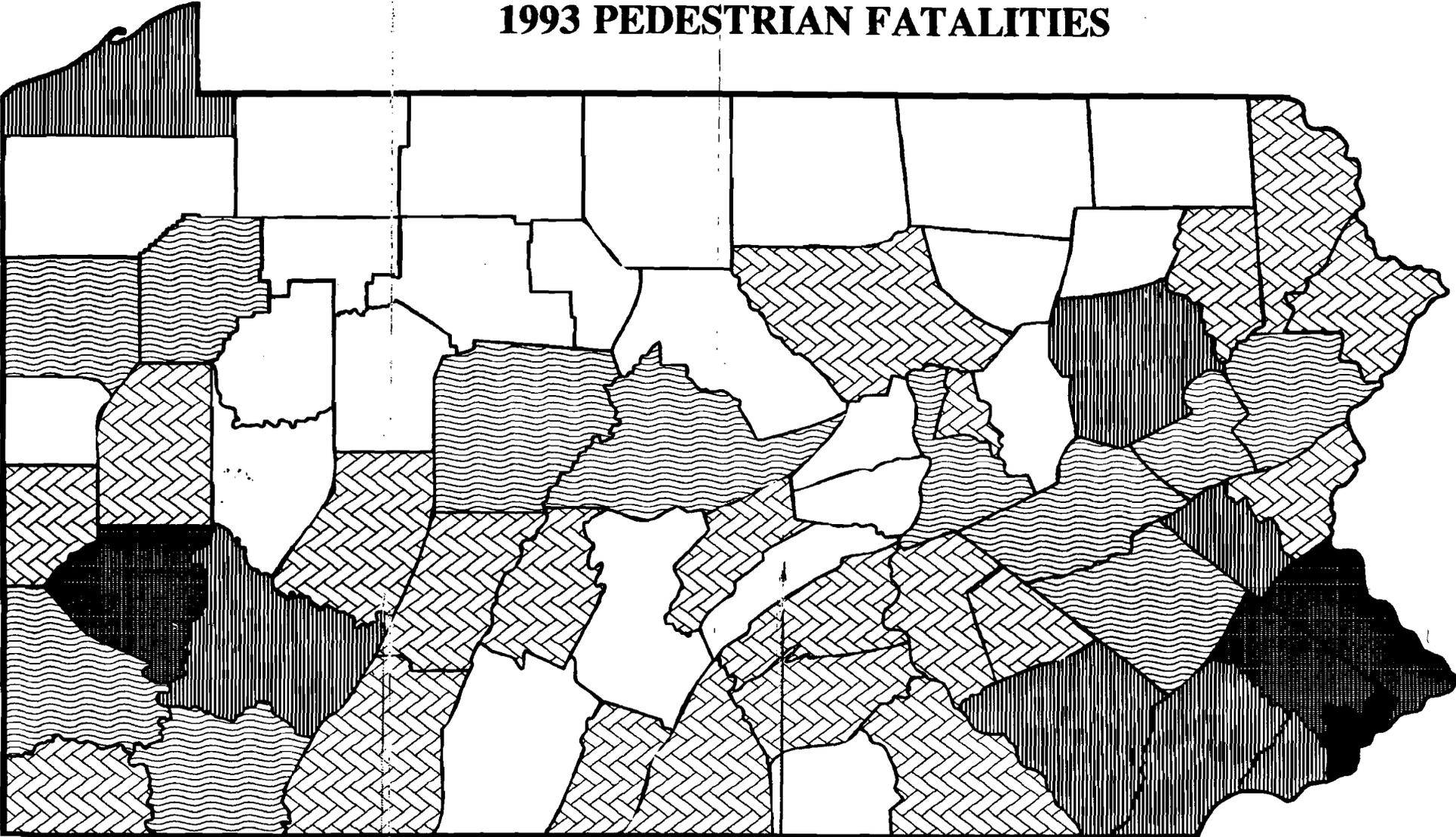
1993 PEDESTRIAN FATALITIES BY AGE GROUP

COUNTY	AGE 0-4	AGE 5-9	AGE 10-14	AGE 15-59	AGE 60 AND OVER	ALL AGES	UN- KNOWN	TOTAL	FATALITIES PER 100,000 POPULATION
ADAMS	0	0	0	0	0	0	0	0	0.0
ALLEGHENY	2	0	0	8	5	15	0	15	1.1
ARMSTRONG	0	0	0	0	0	0	0	0	0.0
BEAVER	0	0	0	1	0	1	0	1	0.5
BEDFORD	0	0	0	0	0	0	0	0	0.0
BERKS	0	0	0	1	1	2	1	3	0.9
BLAIR	0	0	1	0	1	2	0	2	1.5
BRADFORD	0	0	0	0	0	0	0	0	0.0
BUCKS	0	0	1	10	2	13	0	13	2.4
BUTLER	0	0	0	1	0	1	0	1	0.6
CAMBRIA	0	0	0	0	2	2	0	2	1.2
CAMERON	0	0	0	0	0	0	0	0	0.0
CARBON	0	2	0	1	1	4	0	4	6.9
CENTRE	0	1	0	2	0	3	0	3	2.4
CHESTER	0	0	1	5	2	8	0	8	2.1
CLARION	0	0	0	0	0	0	0	0	0.0
CLEARFIELD	1	0	0	1	1	3	0	3	3.8
CLINTON	0	0	0	0	0	0	0	0	0.0
COLUMBIA	0	0	0	0	0	0	0	0	0.0
CRAWFORD	0	0	0	0	0	0	0	0	0.0
CUMBERLAND	0	0	0	2	0	2	0	2	1.0
DAUPHIN	0	0	1	0	1	2	0	2	0.8
DELAWARE	0	1	0	4	3	8	0	8	1.4
ELK	0	0	0	0	0	0	0	0	0.0
ERIE	0	0	1	0	5	6	0	6	2.1
FAYETTE	0	0	0	2	2	4	0	4	2.7
FOREST	0	0	0	0	0	0	0	0	0.0
FRANKLIN	0	0	0	0	1	1	0	1	0.8
FULTON	1	0	0	0	0	1	0	1	7.1
GREENE	0	0	0	0	2	2	0	2	5.0
HUNTINGDON	0	0	0	0	0	0	0	0	0.0
INDIANA	0	0	0	2	0	2	0	2	2.2
JEFFERSON	0	0	0	0	0	0	0	0	0.0
JUNIATA	0	0	0	0	0	0	0	0	0.0
LACKAWANNA	0	0	0	1	1	2	0	2	0.9
LANCASTER	1	2	0	1	4	8	0	8	1.9
LAWRENCE	0	0	0	0	0	0	0	0	0.0
LEBANON	0	0	0	0	1	1	0	1	0.9
LEHIGH	1	1	0	2	3	7	0	7	2.4
LUZERNE	0	0	0	6	2	8	0	8	2.4
LYCOMING	1	0	0	0	0	1	0	1	0.8
McKEAN	0	0	0	0	0	0	0	0	0.0
MERCER	0	0	0	2	1	3	0	3	2.4
MIFFLIN	0	1	0	1	0	2	0	2	4.3
MONROE	0	0	0	1	2	3	0	3	3.1
MONTGOMERY	0	1	0	6	5	12	0	12	1.7
MONTOUR	0	0	0	1	0	1	0	1	5.6
NORTHAMPTON	0	0	0	1	1	2	0	2	0.8
NORTHUMBERLAND	0	0	0	2	1	3	0	3	3.1
PERRY	0	0	1	0	0	1	0	1	2.4
PIKE	0	0	1	0	0	1	0	1	3.5
POTTER	0	0	0	0	0	0	0	0	0.0
SCHUYLKILL	0	1	0	0	2	3	0	3	1.9
SNYDER	0	0	0	0	0	0	0	0	0.0
SOMERSET	0	0	0	1	0	1	0	1	1.3
SULLIVAN	0	0	0	0	0	0	0	0	0.0
SUSQUEHANNA	0	0	0	0	0	0	0	0	0.0
TIOGA	0	0	0	0	0	0	0	0	0.0
UNION	0	0	0	0	0	0	0	0	0.0
VENANGO	0	0	0	2	2	4	0	4	6.6
WARREN	0	0	0	0	0	0	0	0	0.0
WASHINGTON	0	0	1	1	2	4	0	4	1.9
WAYNE	0	0	0	1	0	1	0	1	2.5
WESTMORELAND	0	0	0	4	3	7	0	7	1.9
WYOMING	0	0	0	0	0	0	0	0	0.0
YORK	0	0	0	2	0	2	0	2	0.6
PHILADELPHIA	2	4	0	30	18	54	0	54	3.4
TOTAL	9	14	8	105	77	213	1	214	1.8

1993 PEDESTRIAN INJURIES BY AGE GROUP

COUNTY	AGE 0-4	AGE 5-9	AGE 10-14	AGE 15-59	AGE 60 AND OVER	ALL AGES	UN- KNOWN	TOTAL	INJURIES PER 100,000 POPULATION
ADAMS	1	4	2	12	2	21	0	21	26.5
ALLEGHENY	32	106	84	360	86	668	28	696	51.4
ARMSTRONG	1	0	1	4	1	7	0	7	9.4
BEAVER	1	4	11	12	6	34	2	36	19.1
BEDFORD	0	1	1	6	0	8	0	8	16.5
BERKS	26	39	22	74	19	180	2	182	53.3
BLAIR	1	12	9	26	12	60	0	60	45.3
BRADFORD	1	3	0	3	1	8	0	8	12.9
BUCKS	7	18	17	81	12	135	3	138	25.1
BUTLER	2	2	9	17	3	33	0	33	21.4
CAMBRIA	1	6	7	12	9	35	0	35	21.2
CAMERON	0	1	0	1	0	2	1	3	50.1
CARBON	2	1	2	10	1	16	1	17	29.5
CENTRE	2	4	3	25	1	35	0	35	27.9
CHESTER	4	12	9	49	9	83	0	83	21.7
CLARION	0	1	0	7	0	8	0	8	18.9
CLEARFIELD	2	1	4	7	3	17	0	17	21.5
CLINTON	1	1	4	9	0	15	0	15	39.8
COLUMBIA	1	2	1	7	1	12	0	12	18.7
CRAWFORD	2	5	4	14	8	33	0	33	37.8
CUMBERLAND	3	8	2	21	5	39	2	41	20.7
DAUPHIN	10	24	20	49	12	115	1	116	48.1
DELAWARE	25	51	50	114	29	269	7	276	49.7
ELK	0	1	3	3	1	8	1	9	25.5
ERIE	13	22	25	70	5	135	6	141	50.5
FAYETTE	2	10	4	14	9	39	3	42	28.5
FOREST	0	0	0	0	0	0	0	0	0.0
FRANKLIN	2	7	8	17	4	38	1	39	31.8
FULTON	0	0	0	0	0	0	0	0	0.0
GREENE	0	1	1	10	0	12	0	12	29.9
HUNTINGDON	0	3	1	3	0	7	2	9	20.1
INDIANA	2	1	1	15	4	23	1	24	26.3
JEFFERSON	0	2	4	3	2	11	0	11	23.5
JUNIATA	1	0	0	1	0	2	0	2	9.6
LACKAWANNA	4	14	10	48	15	91	6	97	43.7
LANCASTER	21	25	25	72	15	158	2	160	37.3
LAWRENCE	4	5	5	17	3	34	1	35	35.9
LEBANON	5	10	4	30	3	52	0	52	45.1
LEHIGH	9	21	18	55	24	127	6	133	45.1
LUZERNE	9	20	29	55	21	134	6	140	42.1
LYCOMING	3	8	9	14	4	38	0	38	31.6
McKEAN	1	3	0	4	3	11	1	12	25.1
MERCER	3	2	3	21	5	34	0	34	27.7
MIFFLIN	1	4	2	5	4	16	0	16	34.2
MONROE	1	3	9	19	0	32	0	32	33.0
MONTGOMERY	10	24	33	137	37	241	7	248	36.1
MONTOUR	1	0	2	2	0	5	0	5	27.8
NORTHAMPTON	5	10	17	47	17	96	1	97	38.7
NORTHUMBERLAND	4	4	12	13	4	37	2	39	39.7
PERRY	0	2	1	1	0	4	0	4	9.6
PIKE	0	1	0	6	1	8	0	8	28.2
POTTER	0	0	1	1	0	2	0	2	11.8
SCHUYLKILL	4	13	5	9	5	36	1	37	23.9
SNYDER	0	1	1	2	0	4	1	5	13.4
SOMERSET	1	4	1	7	1	14	0	14	17.7
SULLIVAN	0	0	0	0	0	0	0	0	0.0
SUSQUEHANNA	0	2	1	5	1	9	0	9	22.0
TIOGA	1	0	4	5	0	10	1	11	26.4
UNION	0	2	0	3	1	6	0	6	16.4
VENANGO	0	2	3	6	1	12	1	13	21.6
WARREN	1	4	3	4	0	12	0	12	26.3
WASHINGTON	1	10	9	27	3	50	2	52	25.1
WAYNE	0	0	1	9	1	11	0	11	27.2
WESTMORELAND	4	13	14	37	13	81	3	84	22.4
WYOMING	0	0	0	1	2	3	0	3	10.5
YORK	13	35	17	57	15	137	4	141	41.0
PHILADELPHIA	179	468	309	1,188	214	2,358	77	2,435	151.4
TOTAL	430	1,063	857	2,963	658	5,971	183	6,154	51.1

1993 PEDESTRIAN FATALITIES

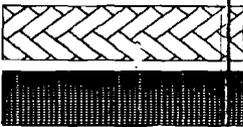


FATALITIES



NONE

5 - 8



1 - 2

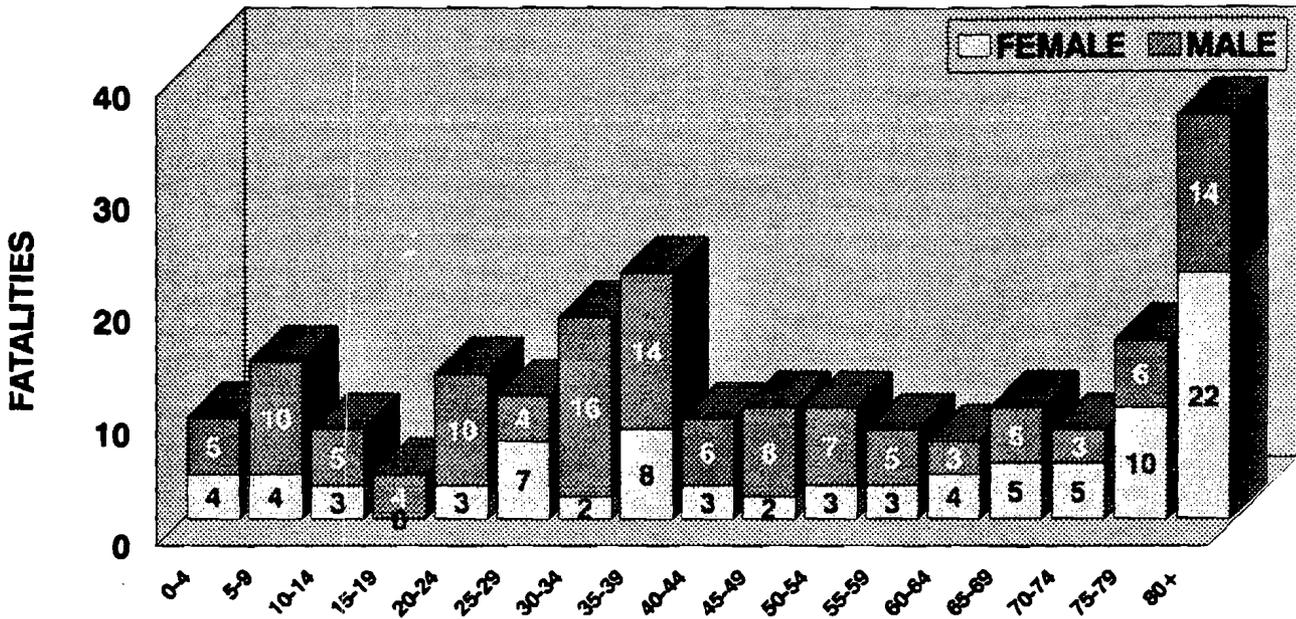
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3 - 4

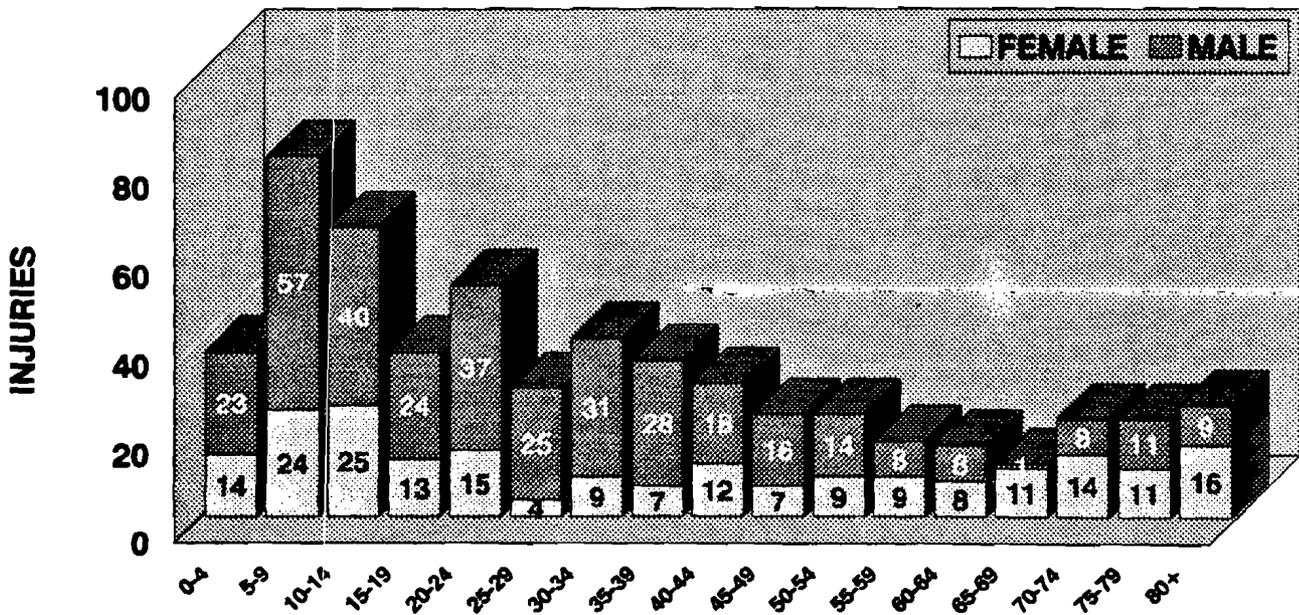
OVER 20

1993 PEDESTRIANS FATALITIES DISTRIBUTION BY AGE AND SEX*



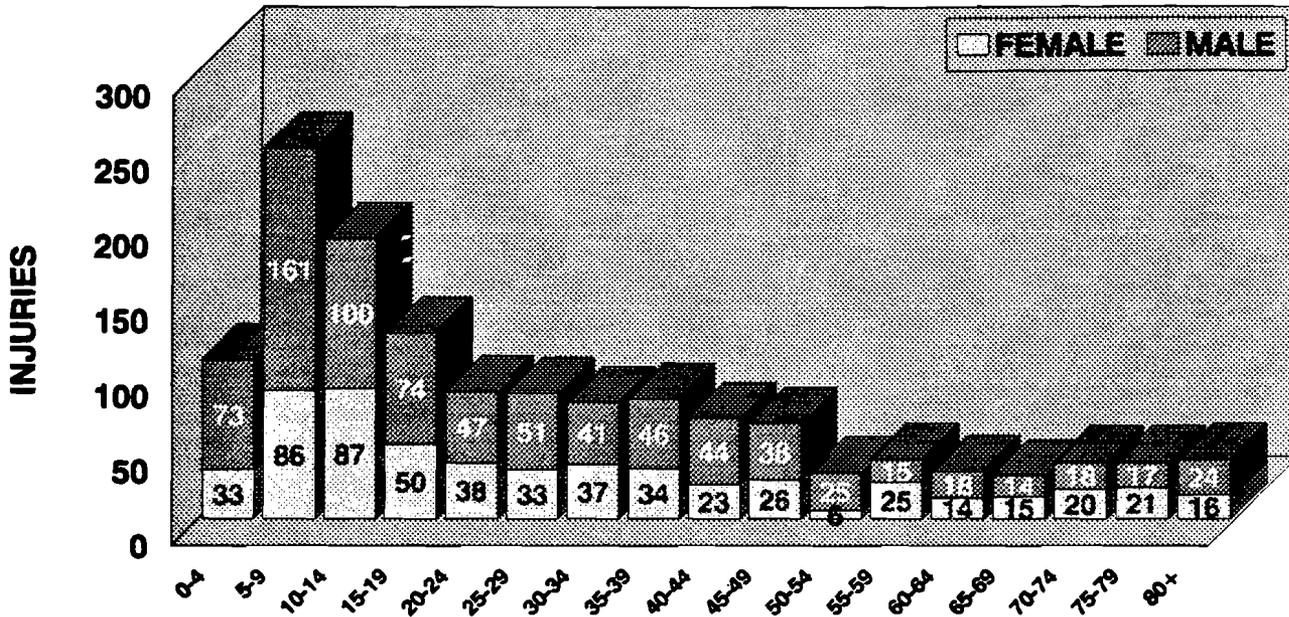
*For known age and sex

1993 PEDESTRIANS WITH MAJOR INJURIES DISTRIBUTION BY AGE AND SEX*



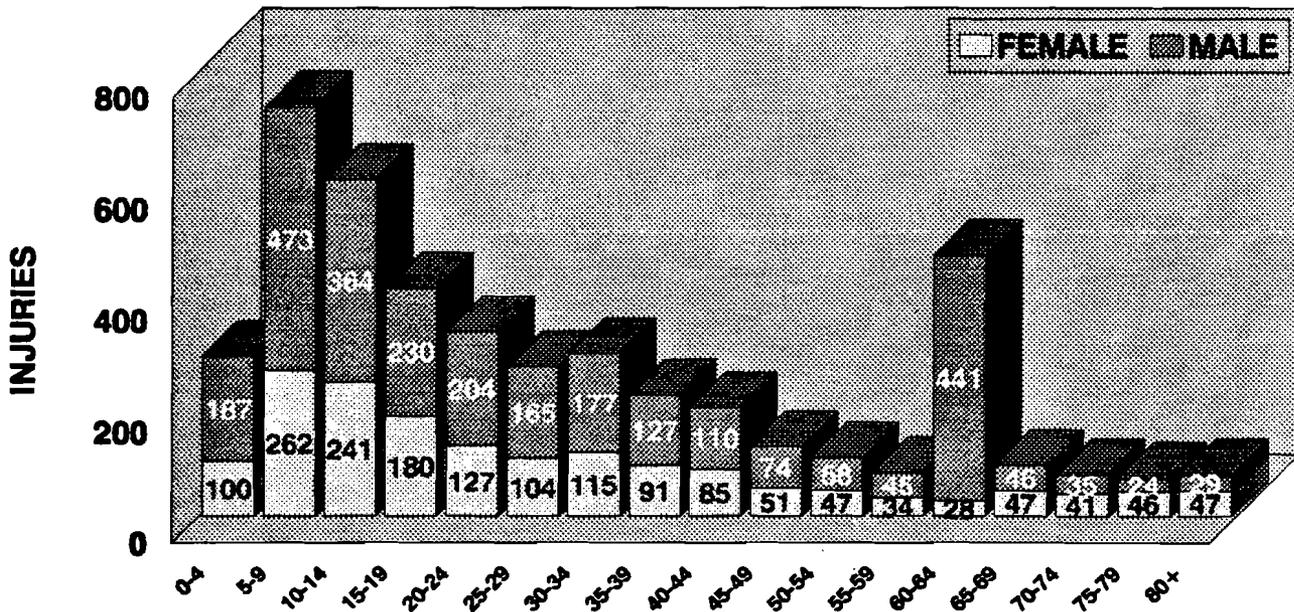
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1993 PEDESTRIANS WITH MODERATE INJURIES DISTRIBUTION BY AGE AND SEX*

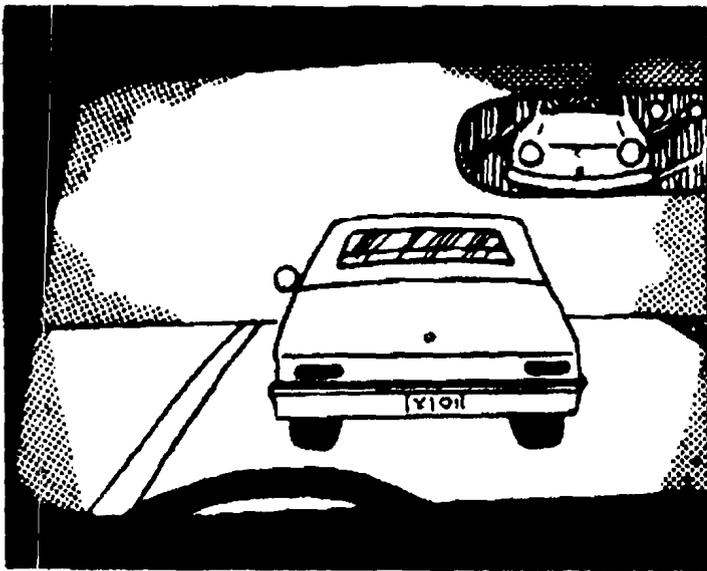


*For known age and sex

1993 PEDESTRIANS WITH MINOR INJURIES DISTRIBUTION BY AGE AND SEX*



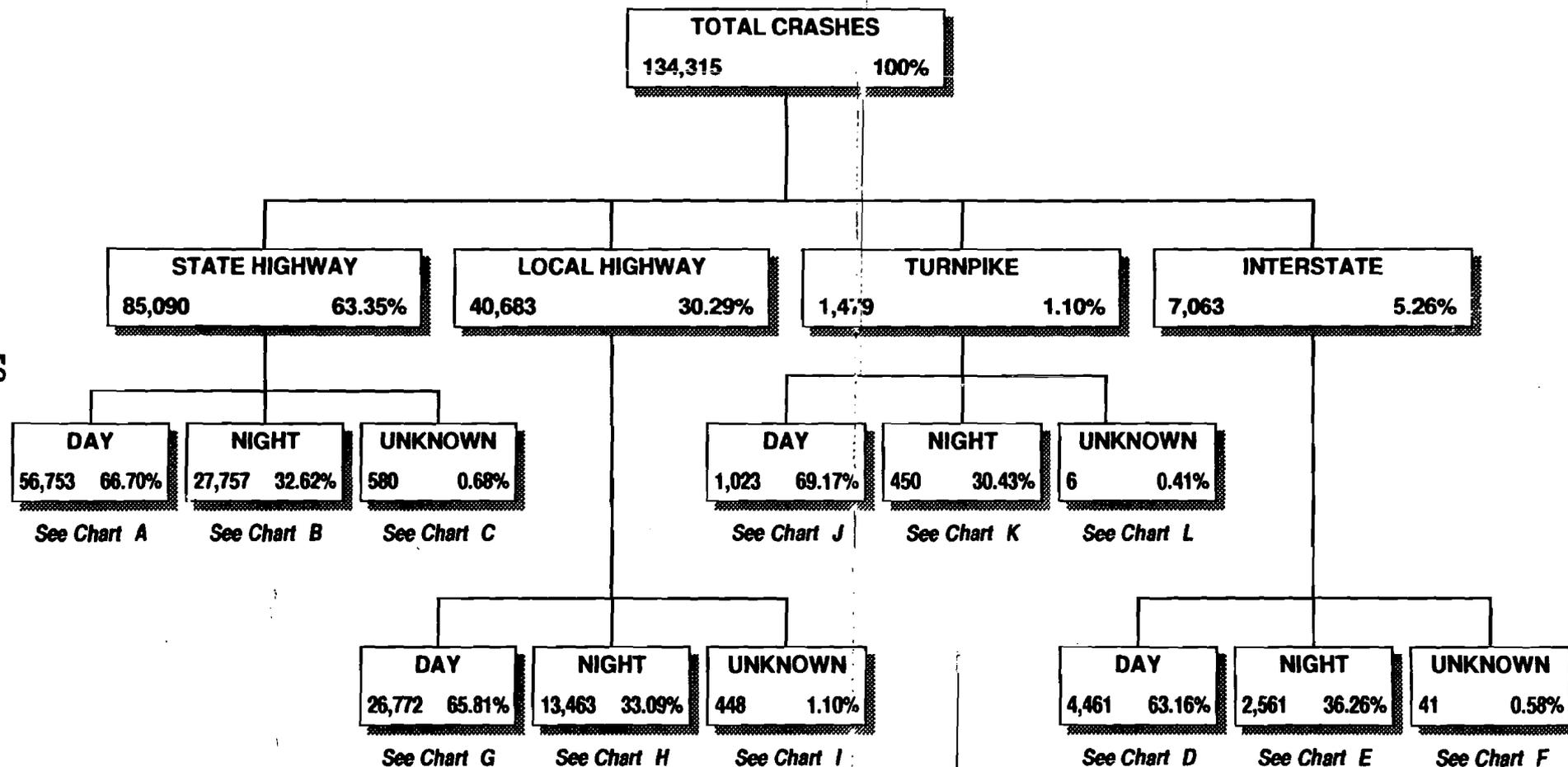
*For known age and sex



VIII. CHARACTERISTICS

VIII. A General Accident Characteristics

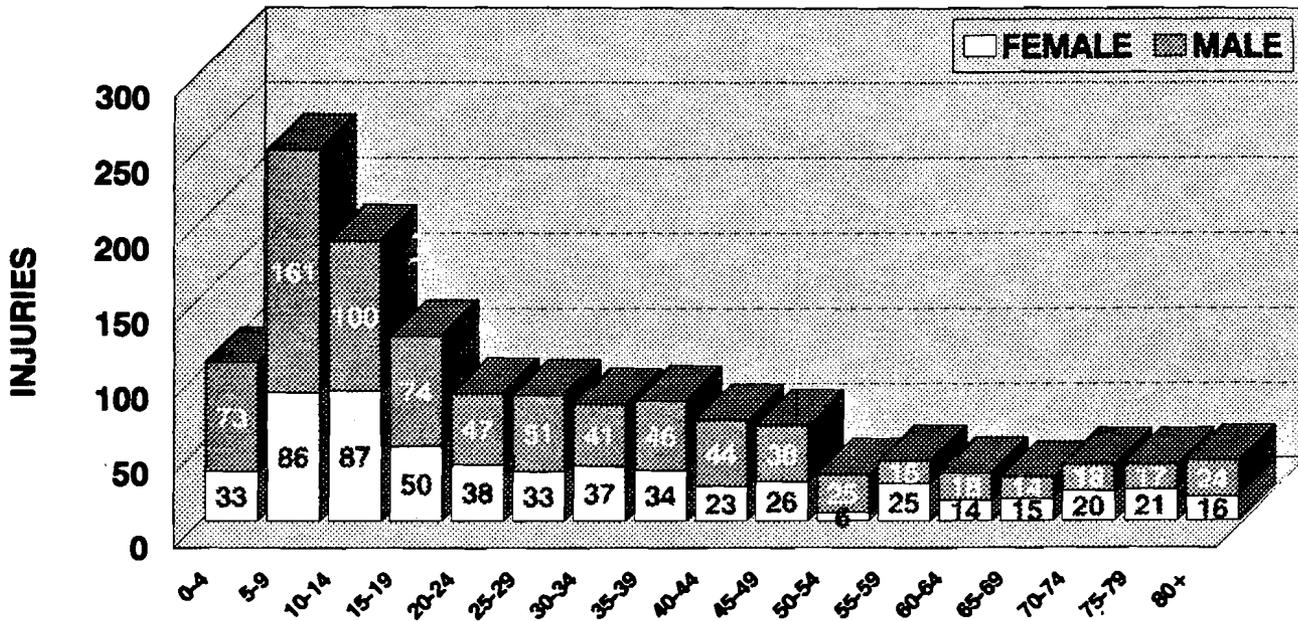
1993 CRASHES BY ROAD TYPE BY ILLUMINATION



58

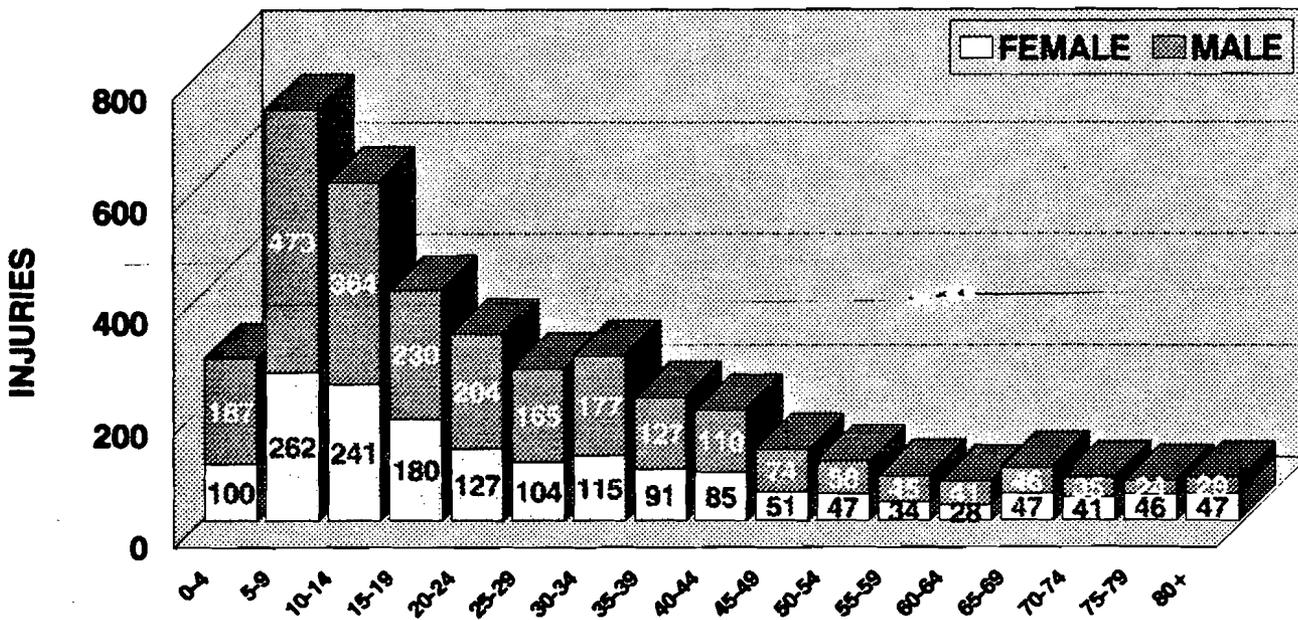
1993

1993 PEDESTRIANS WITH MODERATE INJURIES DISTRIBUTION BY AGE AND SEX*



*For known age and sex

1993 PEDESTRIANS WITH MINOR INJURIES DISTRIBUTION BY AGE AND SEX*



*For known age and sex

STATE HIGHWAY

CHART A

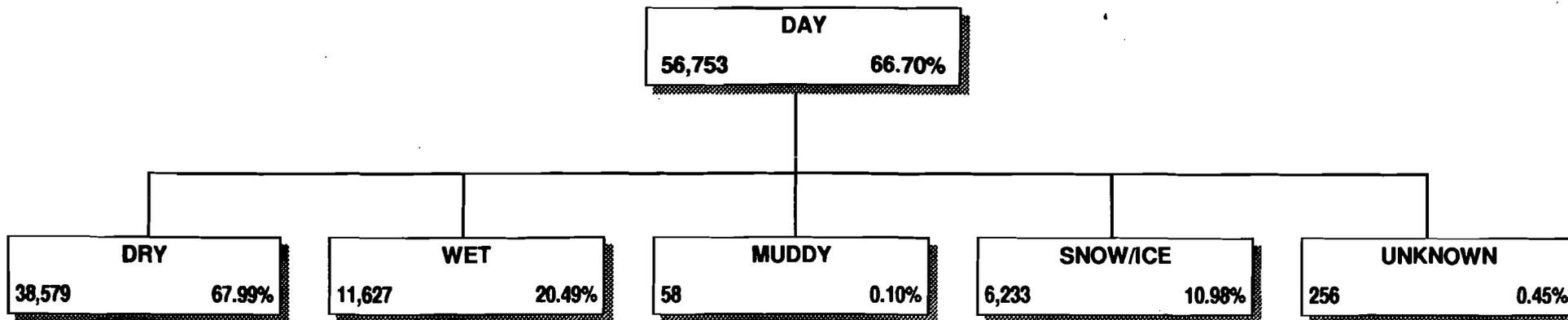


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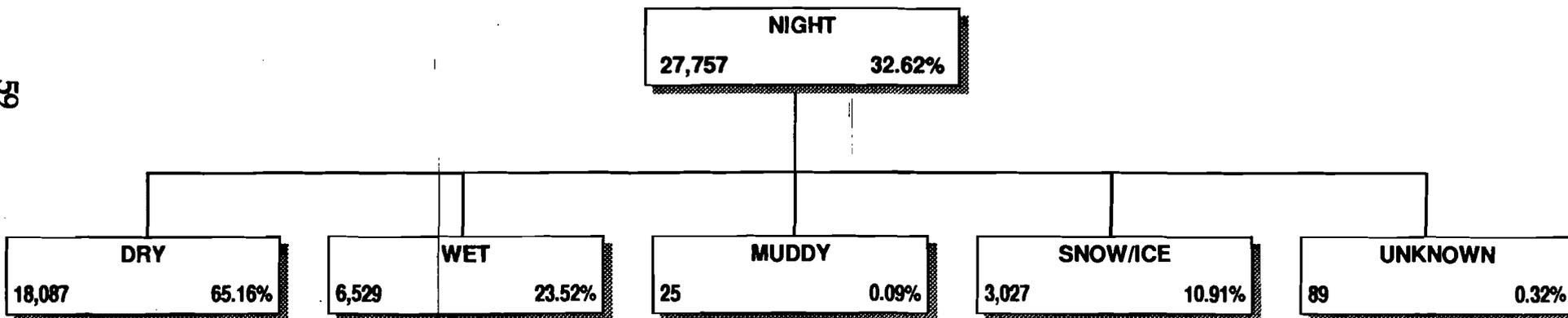
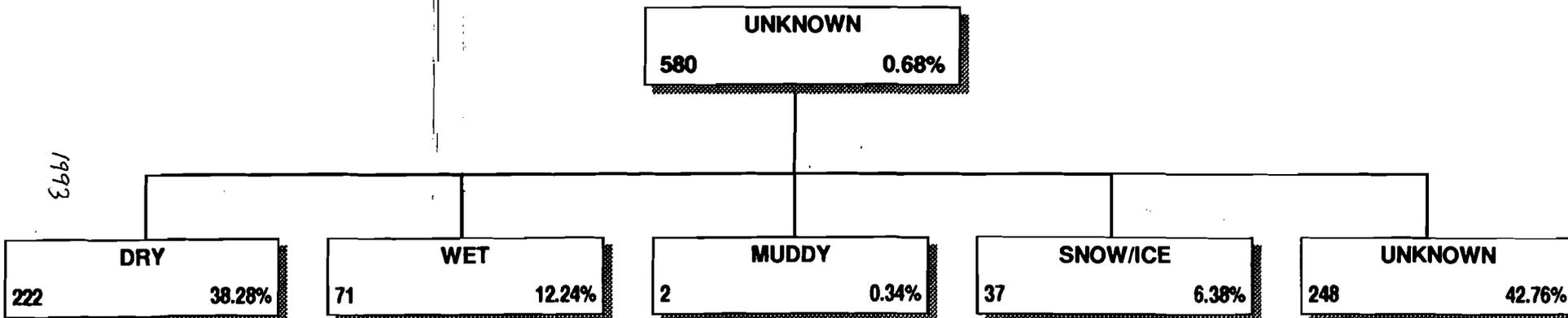


CHART C



59

1991

INTERSTATE

CHART D

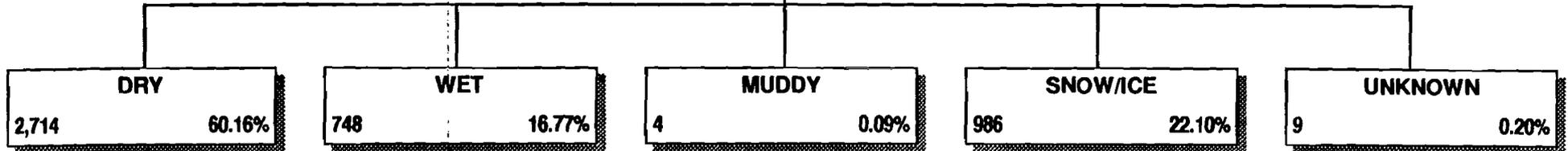
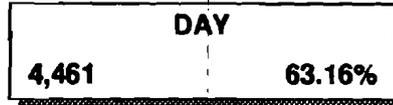


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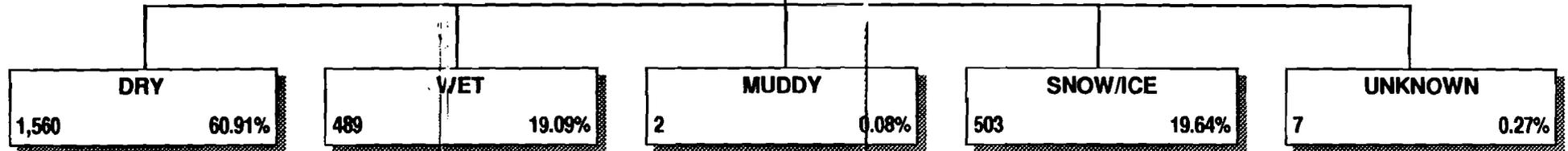
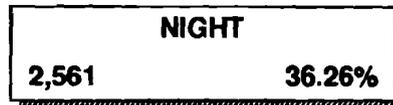
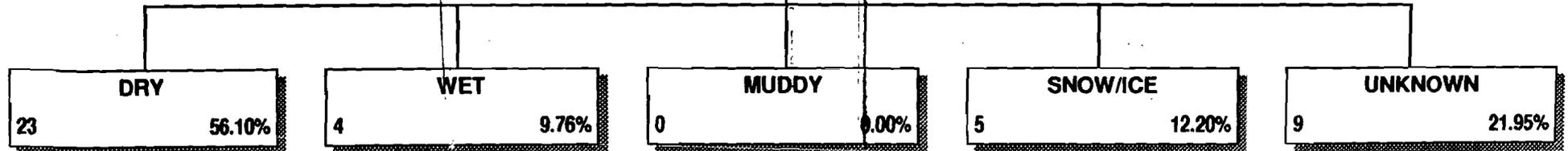


CHART F



8

LOCAL HIGHWAY

CHART G

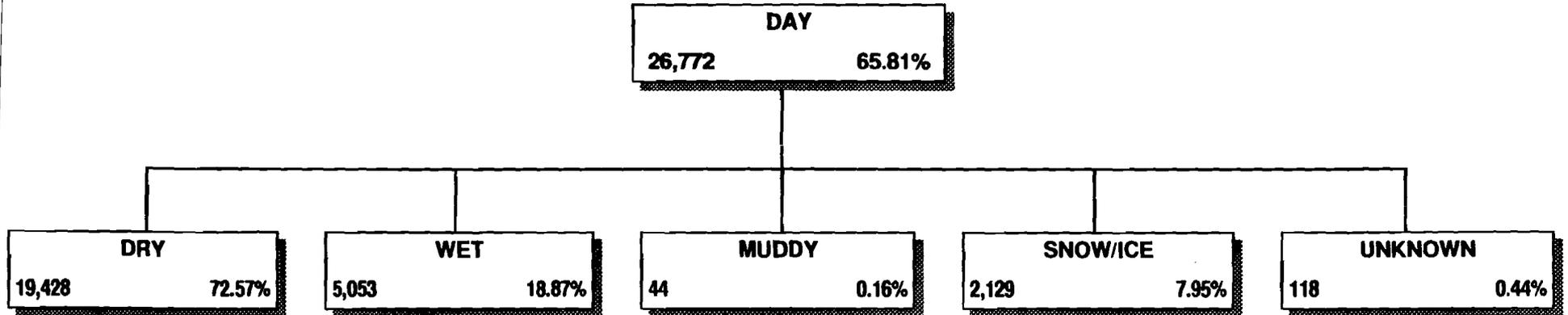


CHART H

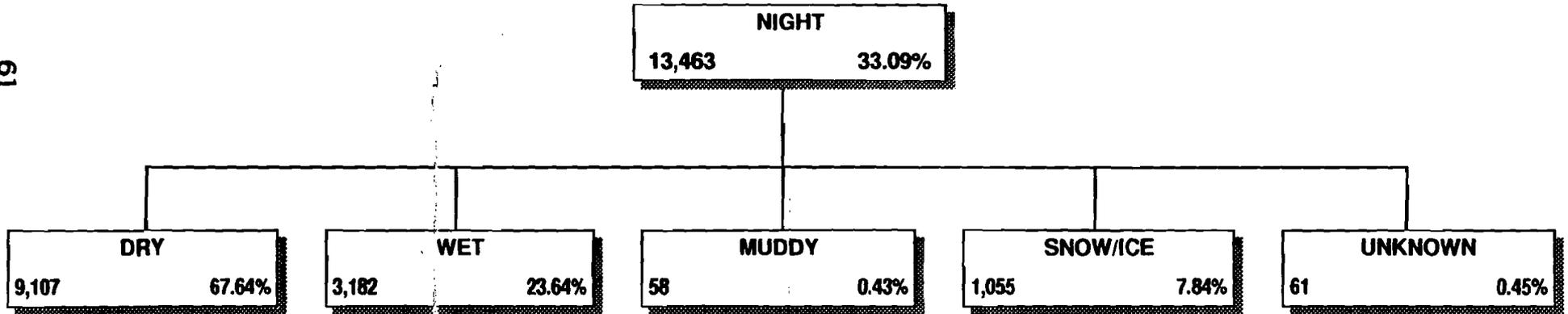
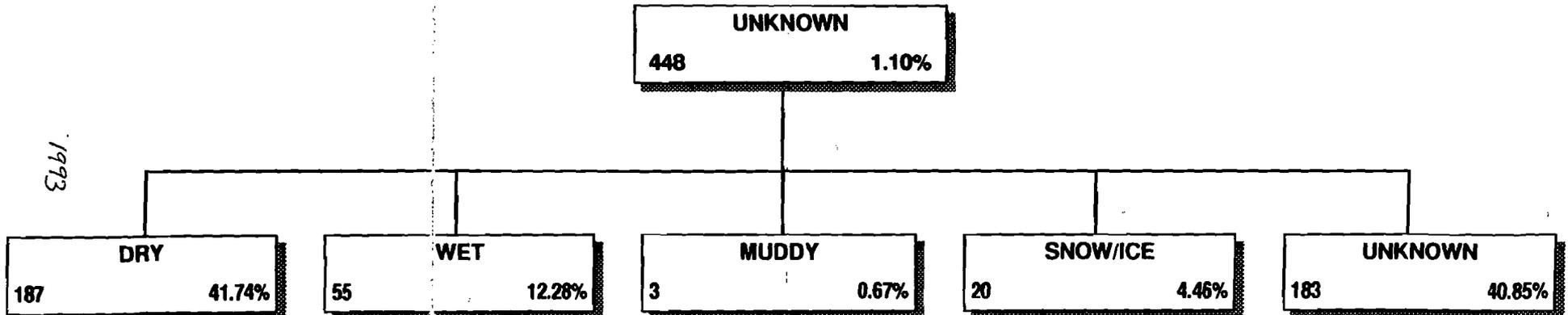


CHART I



19

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TURNPIKE

CHART J

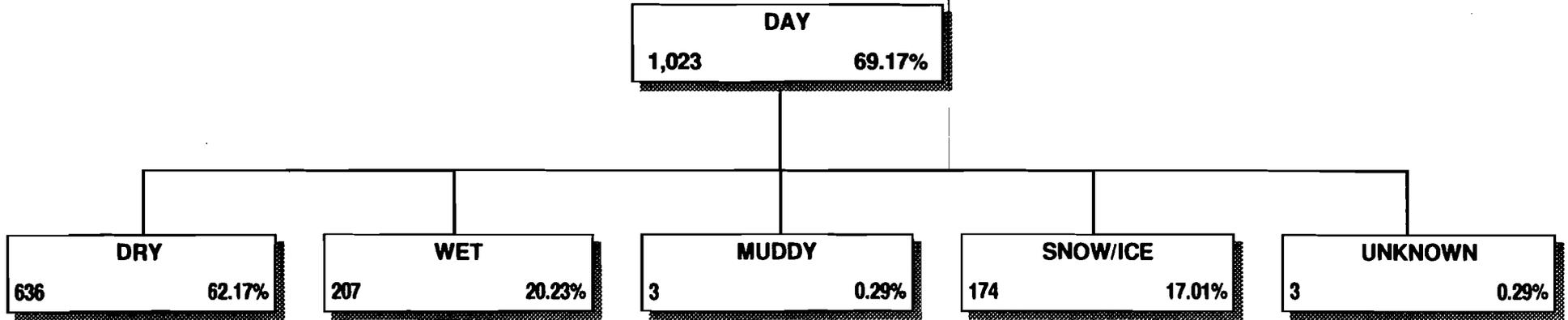


CHART K

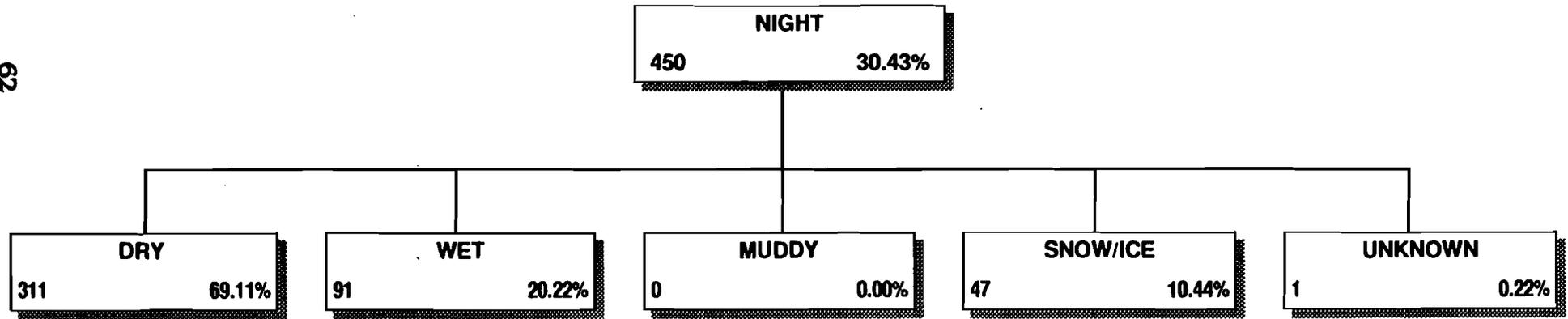
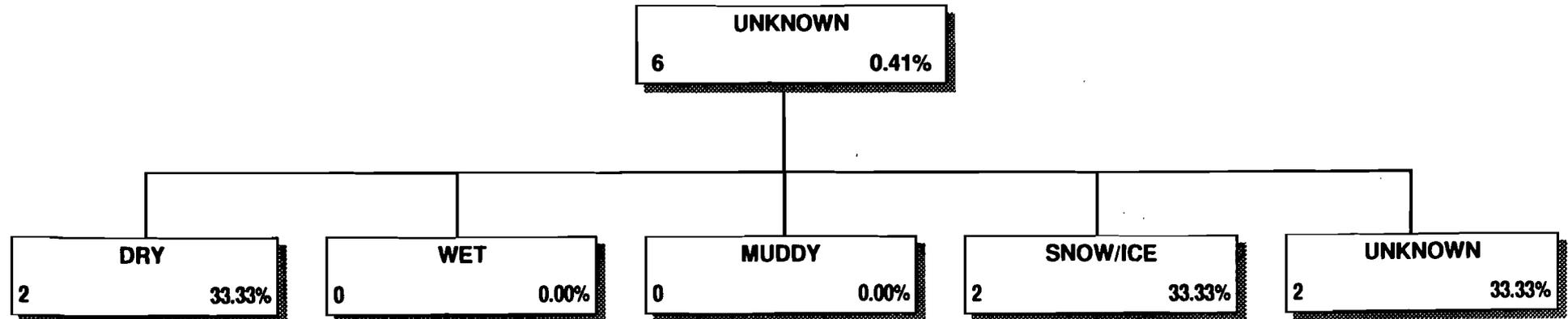
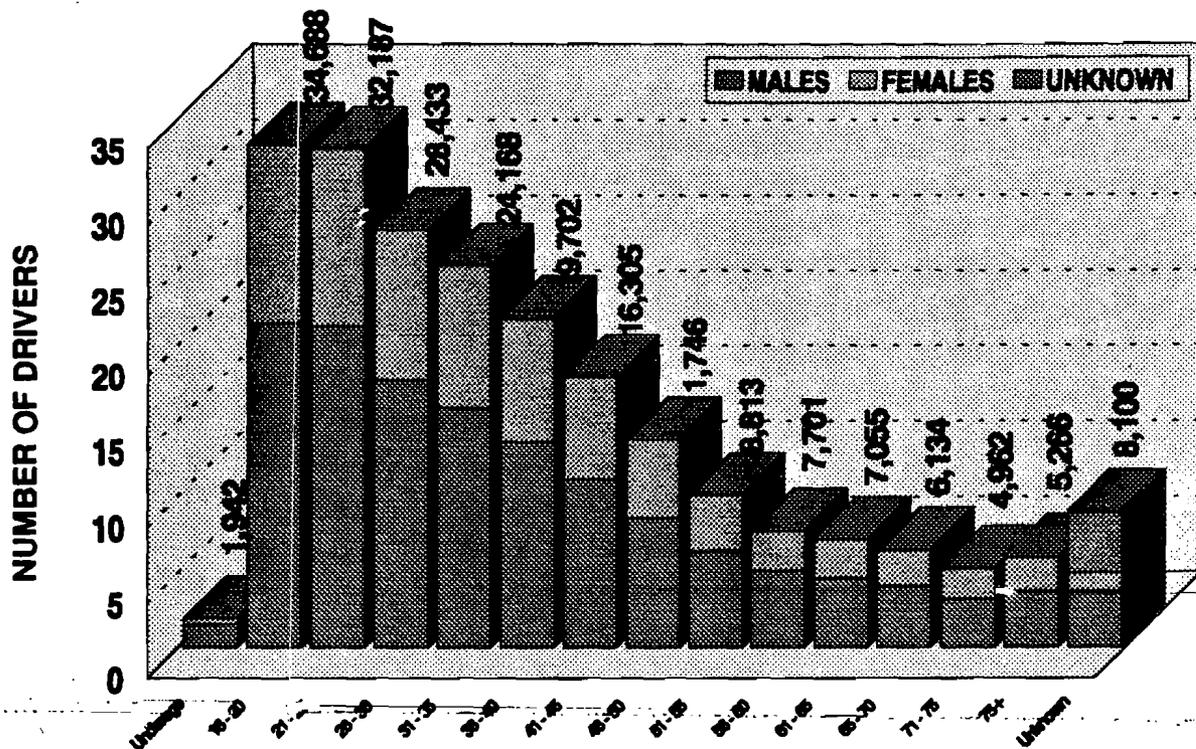


CHART L



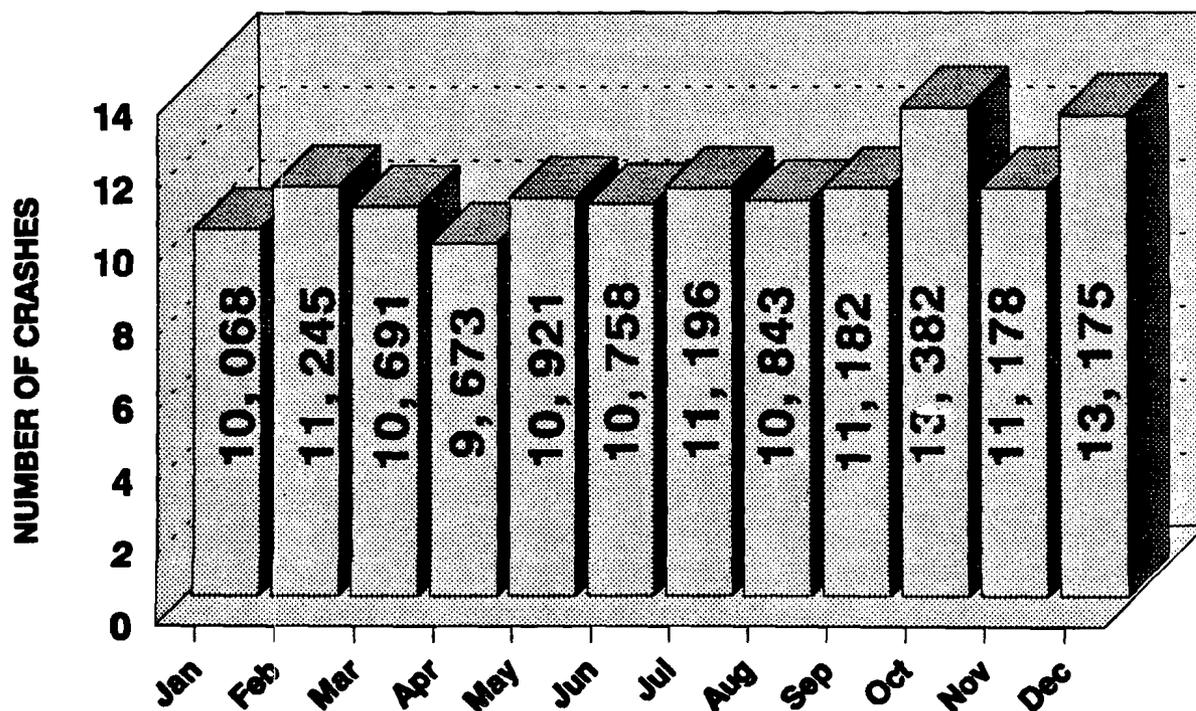
DRIVERS INVOLVEMENT IN CRASHES

BY AGE AND SEX 1993 CRASHES



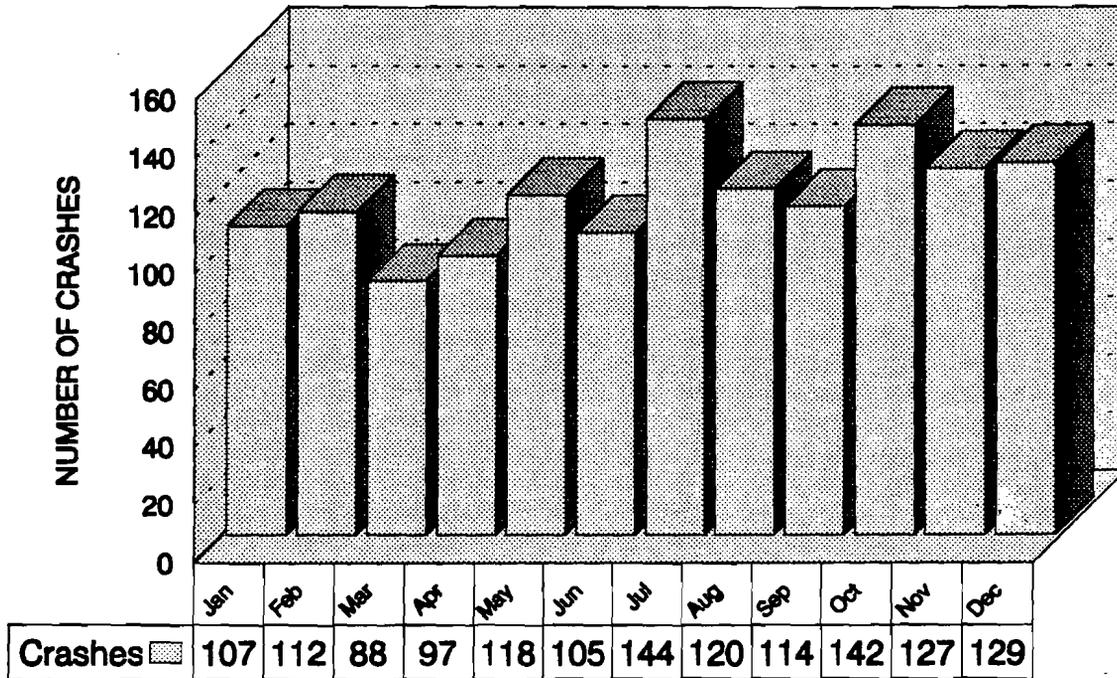
1993 TOTAL CRASHES

BY MONTH

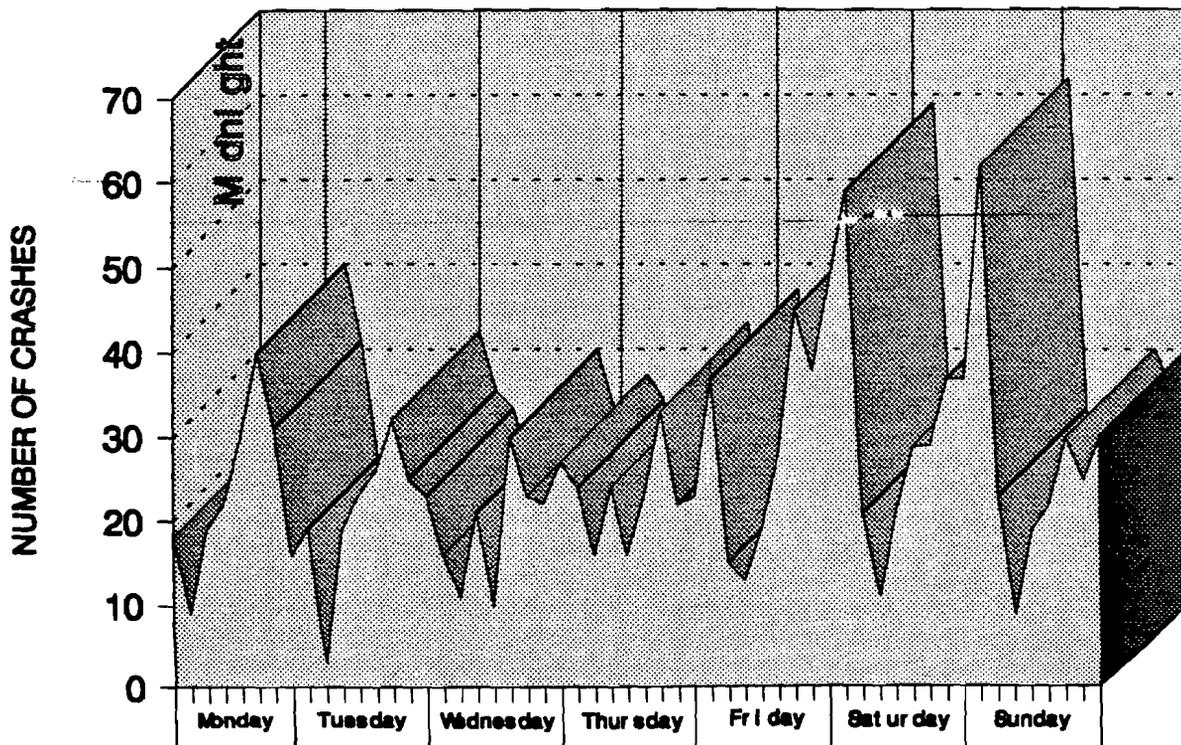


1993

1993 FATAL CRASHES BY MONTH



1993 FATAL ACCIDENTS BY DAY BY HOUR



1993 HOLIDAY CRASHES

PERIOD	CRASH SEVERITY			PERSONS KILLED	PERSONS INJURED	TOTAL CRASHES
	FATAL CRASHES	INJURY CRASHES	P.D.O. CRASHES			
NEW YEARS	13	585	379	13	903	977
POST NEW YEAR*	5	419	276	5	657	700
PRE-MEMORIAL*	9	588	239	10	930	836
MEMORIAL DAY	11	534	254	12	890	799
POST-MEMORIAL	8	588	285	8	979	881
PRE-FOURTH*	17	554	259	17	905	830
FOURTH OF JULY	13	614	233	14	1,045	860
POST-FOURTH*	16	474	216	16	762	706
PRE-LABOR*	6	555	255	9	909	816
LABOR DAY	8	594	301	9	950	903
POST-LABOR*	10	491	219	10	811	720
PRE-THANKSGIVING*	17	800	520	19	1,217	1,337
THANKSGIVING	15	659	402	16	1,035	1,076
POST-THANKSGIVING*	16	1,013	590	17	1,546	1,619
PRE-CHRISTMAS*	10	722	445	11	1,099	1,177
CHRISTMAS	13	619	501	13	1,003	1,133
TOTALS	187	9,809	5,374	199	15,641	15,370

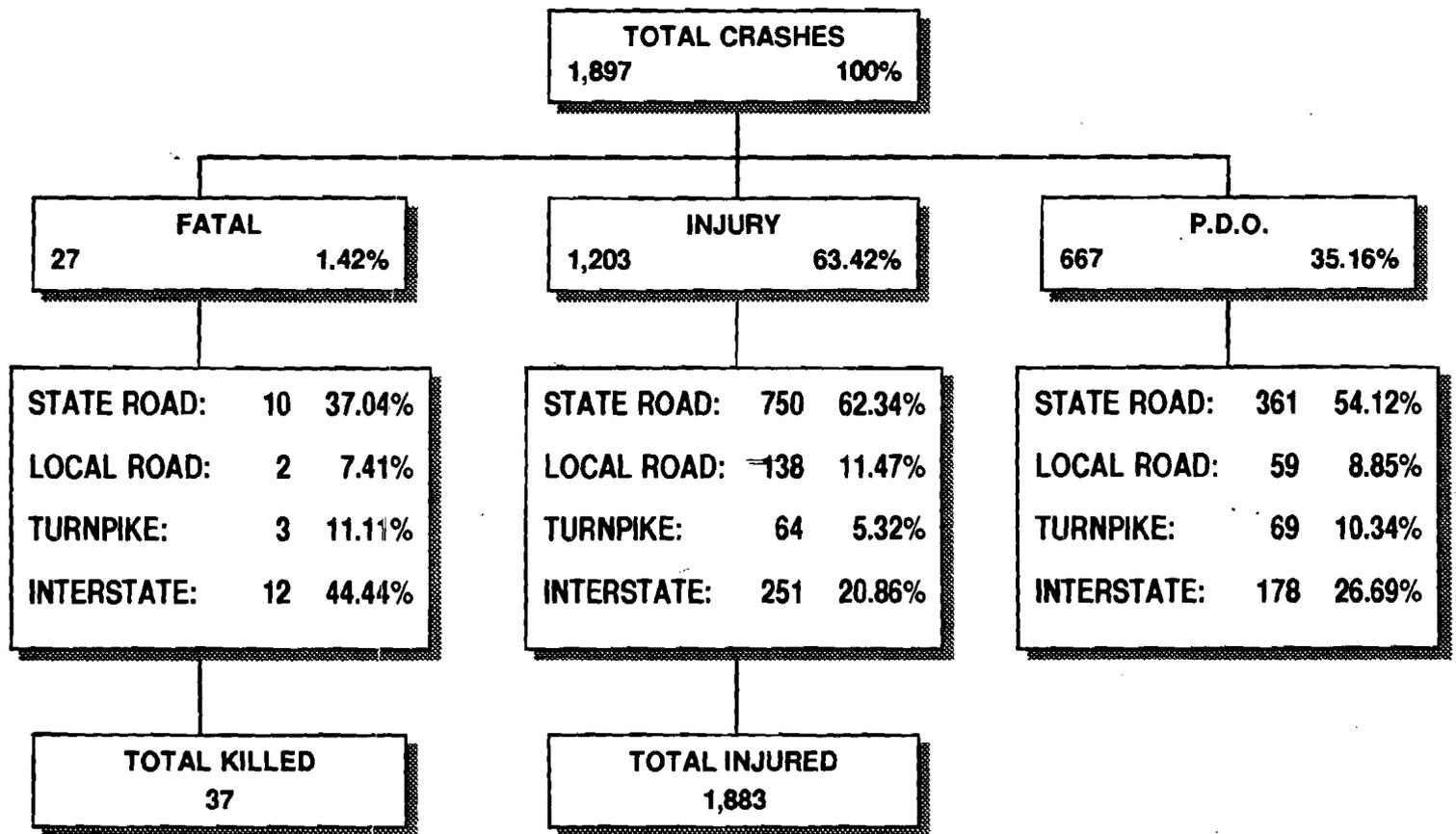
* SEE DEFINITIONS UNDER HOLIDAYS FOR EXPLANATION OF PRE AND POST PERIODS.

1993 ALCOHOL RELATED HOLIDAY CRASHES

PERIOD	CRASH SEVERITY			PERSONS KILLED	PERSONS INJURED	TOTAL CRASHES
	FATAL CRASHES	INJURY CRASHES	P.D.O. CRASHES			
NEW YEARS	5	89	55	5	131	149
POST NEW YEAR*		69	35	2	100	106
PRE-MEMORIAL*	5	100	33	5	153	138
MEMORIAL DAY	4	101	35	4	160	140
POST-MEMORIAL	5	91	41	5	143	137
PRE-FOURTH*	8	88	33	8	126	129
FOURTH OF JULY	8	112	29	9	181	149
POST-FOURTH*	8	56	26	8	96	90
PRE-LABOR*	5	87	41	8	127	133
LABOR DAY	7	94	47	8	145	148
POST-LABOR*	9	87	35	9	147	131
PRE-THANKSGIVING*	9	90	52	11	137	151
THANKSGIVING	6	116	55	7	165	177
POST-THANKSGIVING*	5	94	47	6	167	146
PRE-CHRISTMAS*	3	100	43	4	154	146
CHRISTMAS	6	92	46	6	152	144
TOTALS	95	1,466	653	105	2,284	2,214

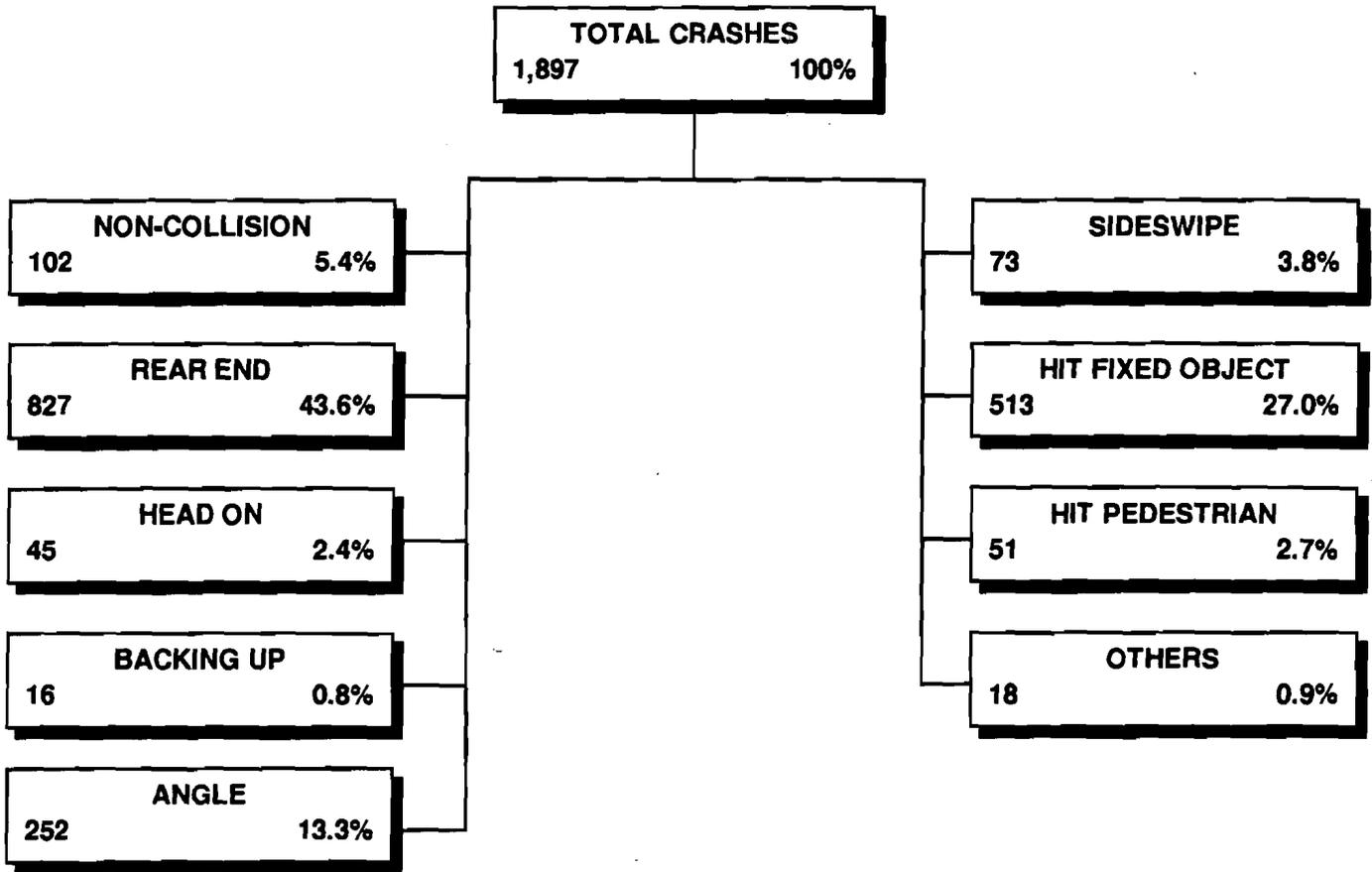
* SEE DEFINITIONS UNDER HOLIDAYS FOR EXPLANATION OF PRE AND POST PERIODS.

1993 CONSTRUCTION ZONE CRASHES

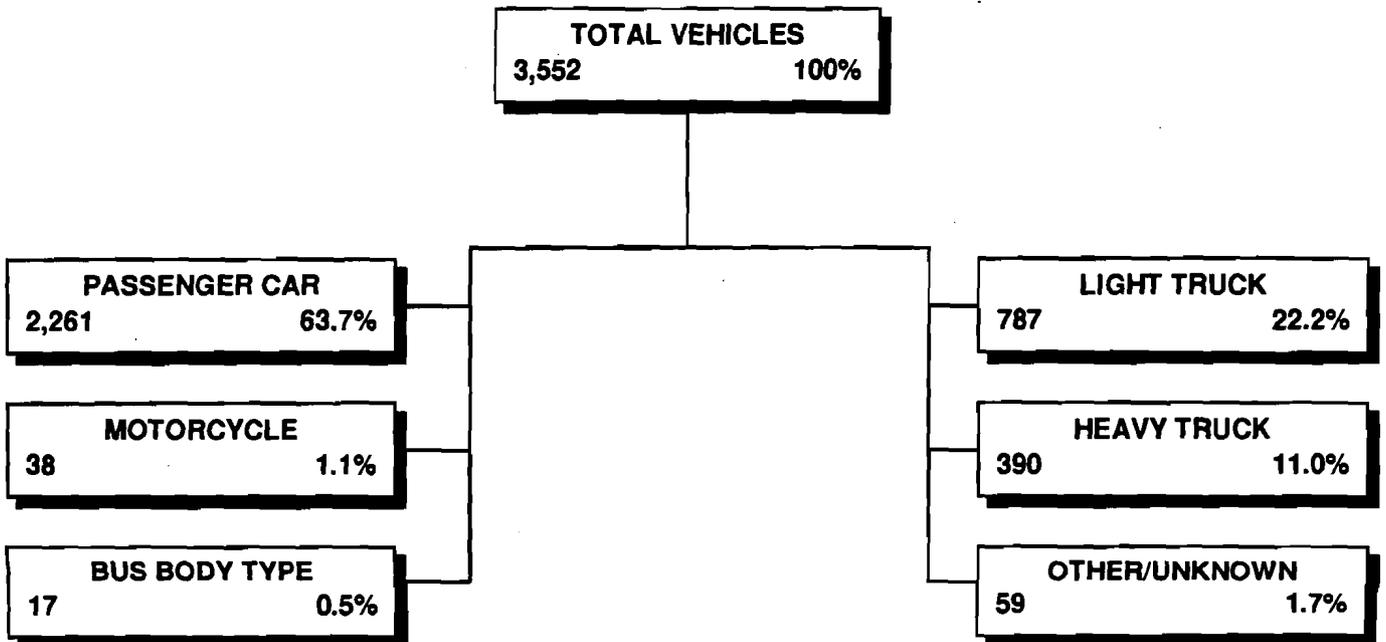


PEDESTRIAN WORKMEN KILLED: 0
 PEDESTRIAN WORKMEN INJURED: 26

1993 CONSTRUCTION ZONE CRASHES ACCIDENT TYPE

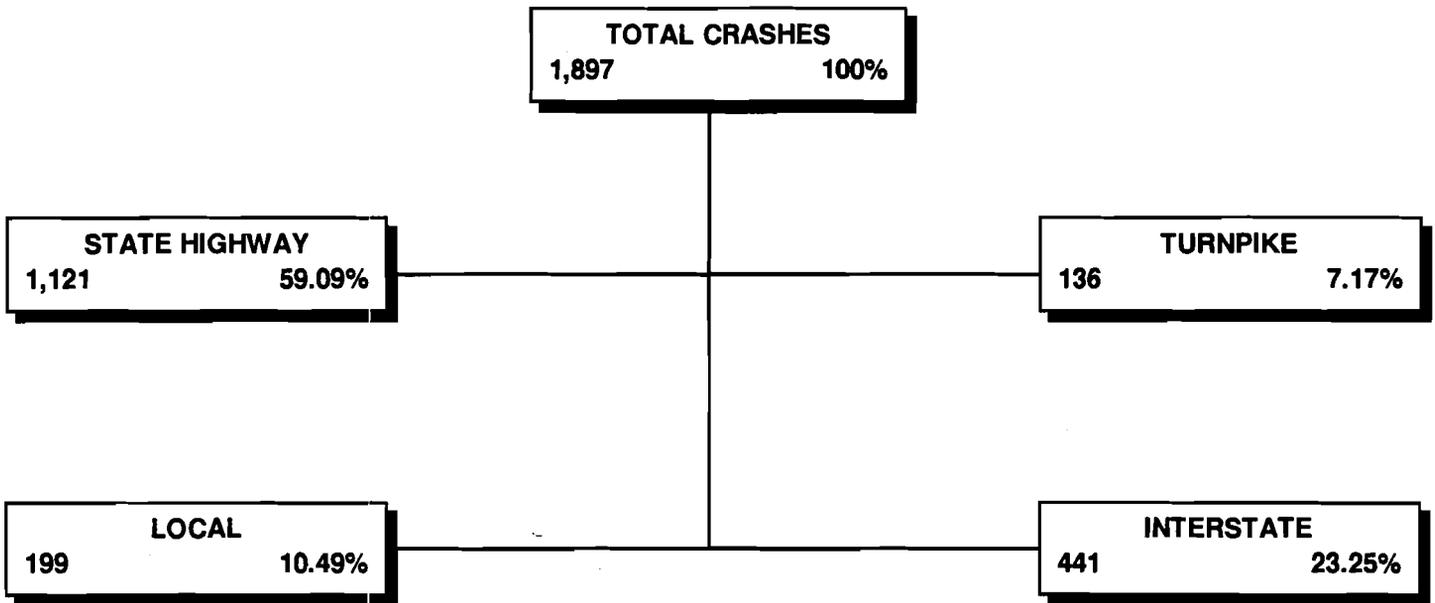


1993 VEHICLE INVOLVEMENT IN CONSTRUCTION ZONE CRASHES

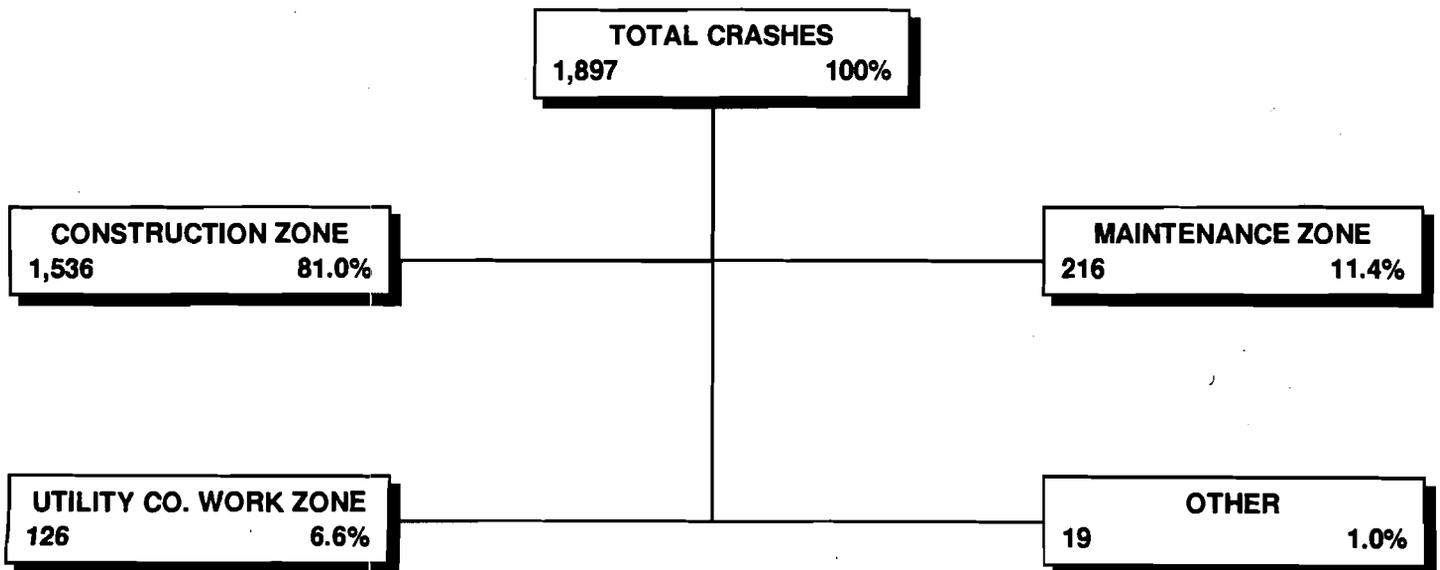


1993

1993 CONSTRUCTION ZONE CRASHES BY ROAD TYPE



1993 CONSTRUCTION ZONE CRASHES BY WORK TYPE



1993

VIII.B Driver Characteristics

1993

DRIVER CRASH INVOLVEMENT BY SEVERITY BY DRIVER LICENSE

TOTAL NUMBER OF DRIVERS INVOLVED IN A CRASH
225,099 100%

INVOLVED IN FATAL CRASHES
2,198 0.98%

INVOLVED IN INJURY CRASHES
149,238 66.30%

INVOLVED IN P.D.O. CRASHES
73,663 32.72%

PENNSYLVANIA LICENSE
1,860 84.62%

UNDER 16 OR NO LICENSE
37 1.68%

OTHER U.S. LICENSE
233 10.60%

NOT APPLICABLE
31 1.41%

UNKNOWN LICENSE
29 1.32%

FOREIGN
8 0.36%

PENNSYLVANIA LICENSE
126,838 84.99%

UNDER 16 OR NO LICENSE
1,739 1.17%

OTHER U.S. LICENSE
11,632 7.79%

NOT APPLICABLE
2,514 1.68%

UNKNOWN LICENSE
6,248 4.19%

FOREIGN
267 0.18%

PENNSYLVANIA LICENSE
63,975 86.85%

UNDER 16 OR NO LICENSE
486 0.66%

OTHER U.S. LICENSE
6,804 7.79%

NOT APPLICABLE
44 0.06%

UNKNOWN LICENSE
2,134 2.90%

FOREIGN
220 0.30%

1993

1993 TRAFFIC CRASHES INVOLVEMENT OF 16 TO 21 YEAR OLD DRIVERS IN:

ALL CRASHES

AGE	FATAL	INJURY	PDO	TOTAL
16	45	3,322	2,115	5,482
17	40	4,324	2,755	7,119
18	49	4,507	2,618	7,174
19	57	4,378	2,459	6,894
20	55	4,158	2,323	6,536
21	64	4,222	2,506	6,792

ALCOHOL RELATED CRASHES

AGE	FATAL	INJURY	PDO	TOTAL
16	7	79	29	115
17	13	188	63	264
18	12	279	107	398
19	17	310	126	453
20	22	359	141	522
21	37	546	243	826

1993 DRIVERS IN CRASHES

AGE GROUP	CRASH SEVERITY						ALL DRIVERS
	FATAL	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	UNKNOWN INJURY	PDO	
Under 16	21	108	421	1,097	159	106	1,912
16-20	246	1,001	3,599	13,904	2,185	12,270	33,205
21-24	249	855	3,015	11,340	2,011	9,597	27,067
26-59	1,313	3,983	14,135	56,115	10,958	41,600	128,104
60 and Older	342	765	2,954	11,785	2,387	7,717	25,950
Unknown Age	27	204	902	3,703	1,652	2,373	8,861
TOTAL	2,198	6,916	25,026	91,944	19,352	73,663	225,099

1993 DRIVERS IN ALCOHOL-RELATED CRASHES

AGE GROUP	CRASH SEVERITY						ALL DRIVERS
	FATAL	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	UNKNOWN INJURY	PDO	
Under 16	2	2	6	10	0	0	20
16-20	71	147	301	658	109	466	1,752
21-24	122	248	591	1,095	132	947	3,135
26-59	505	892	2,174	4,232	736	3,269	11,808
60 and Older	37	57	149	349	54	183	829
Unknown Age	13	29	44	69	44	79	278
TOTAL	750	1,375	3,265	6,413	1,075	4,944	17,822

PERSONS AGE 17 AND 18 KILLED IN TRAFFIC CRASHES

YEAR	17-YEAR OLDS			18-YEAR OLDS			TOTAL		
	MALE	FEMALE	ALL	MALE	FEMALE	ALL	MALE	FEMALE	ALL
1989	45	11	56	43	23	66	88	34	122
1990	21	14	35	39	13	52	60	27	87
1991	18	18	36	39	11	50	57	29	86
1992	24	13	37	22	13	35	46	26	72
1993	14	5	19	26	10	36	40	15	55
TOTALS	122	61	183	169	70	239	291	131	422

● Between 1988 and 1992, there were 422 persons age 17 and 18 killed in traffic accidents (2.80% of total fatalities.)

262 (62.1%) - of those killed were drivers

141 (33.4%) - were passengers

13 (3.1%) - were pedestrians

6 (1.4%) - were unknown

● 161 or 38.2% were killed in alcohol-related accidents, 92 of which were 17- and 18-year old drivers using alcohol.

● Only 29 (6.87%) of the 422 fatalities in cars and trucks were wearing safety belts.

● Only 4 (0.95%) of the 34 fatalities on motorcycles were wearing helmets.

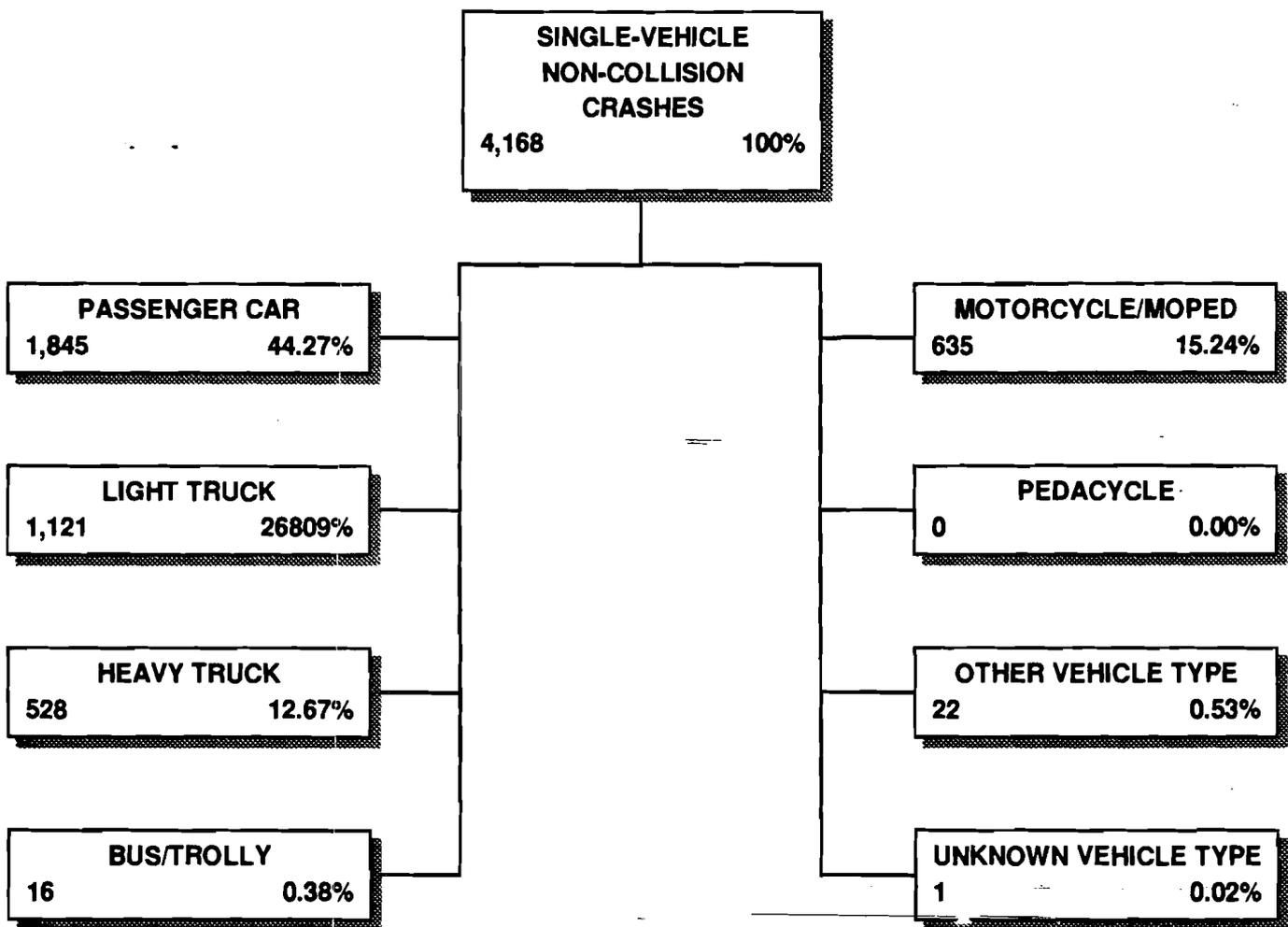
● 146 (34.6%) of the 17- and 18-year-old fatalities were involved with vehicles traveling over the posted speed limit.

1993

VIII. C Vehicle Characteristics

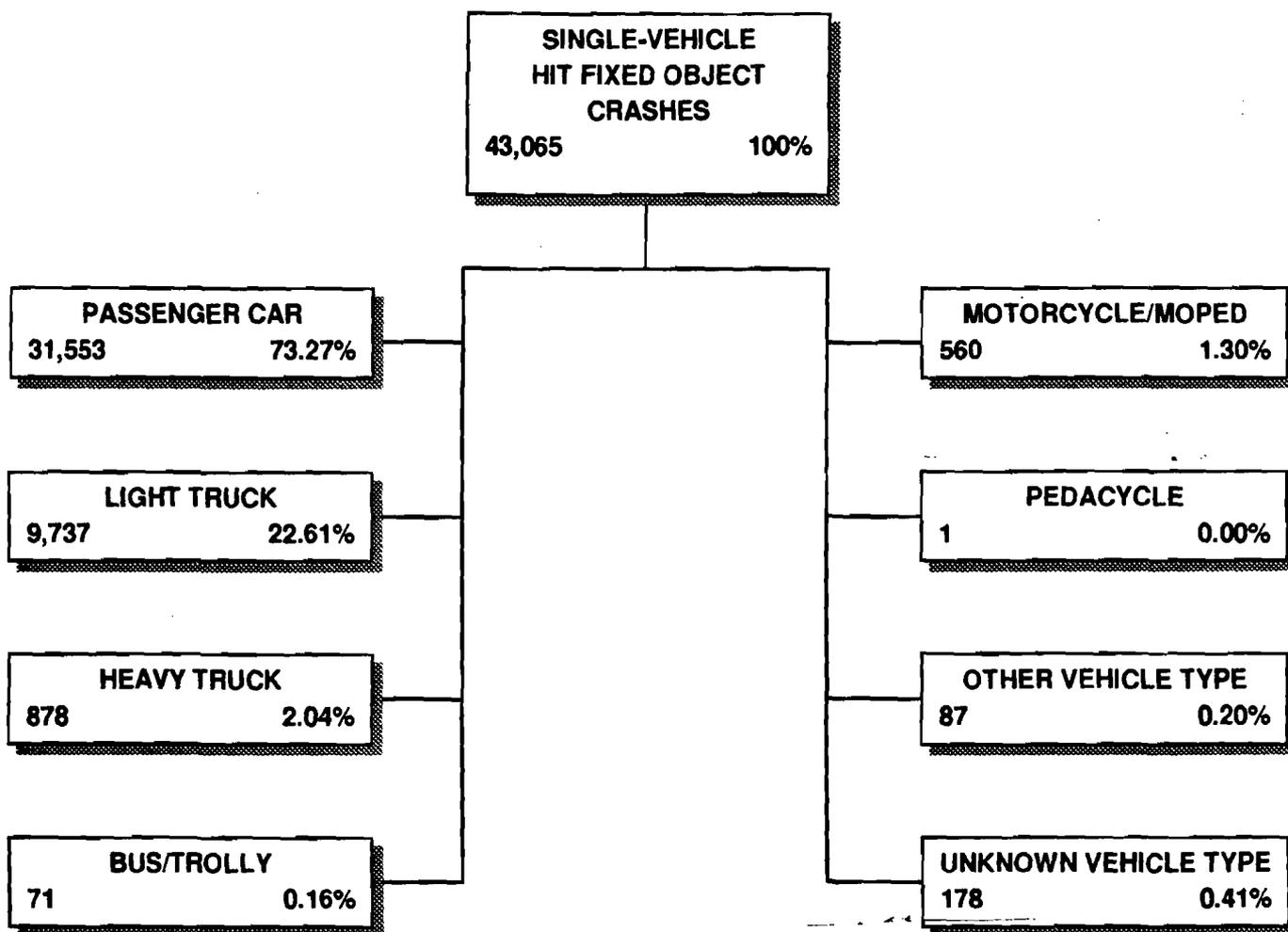
1993

1993 SINGLE VEHICLE NON-COLLISION CRASHES

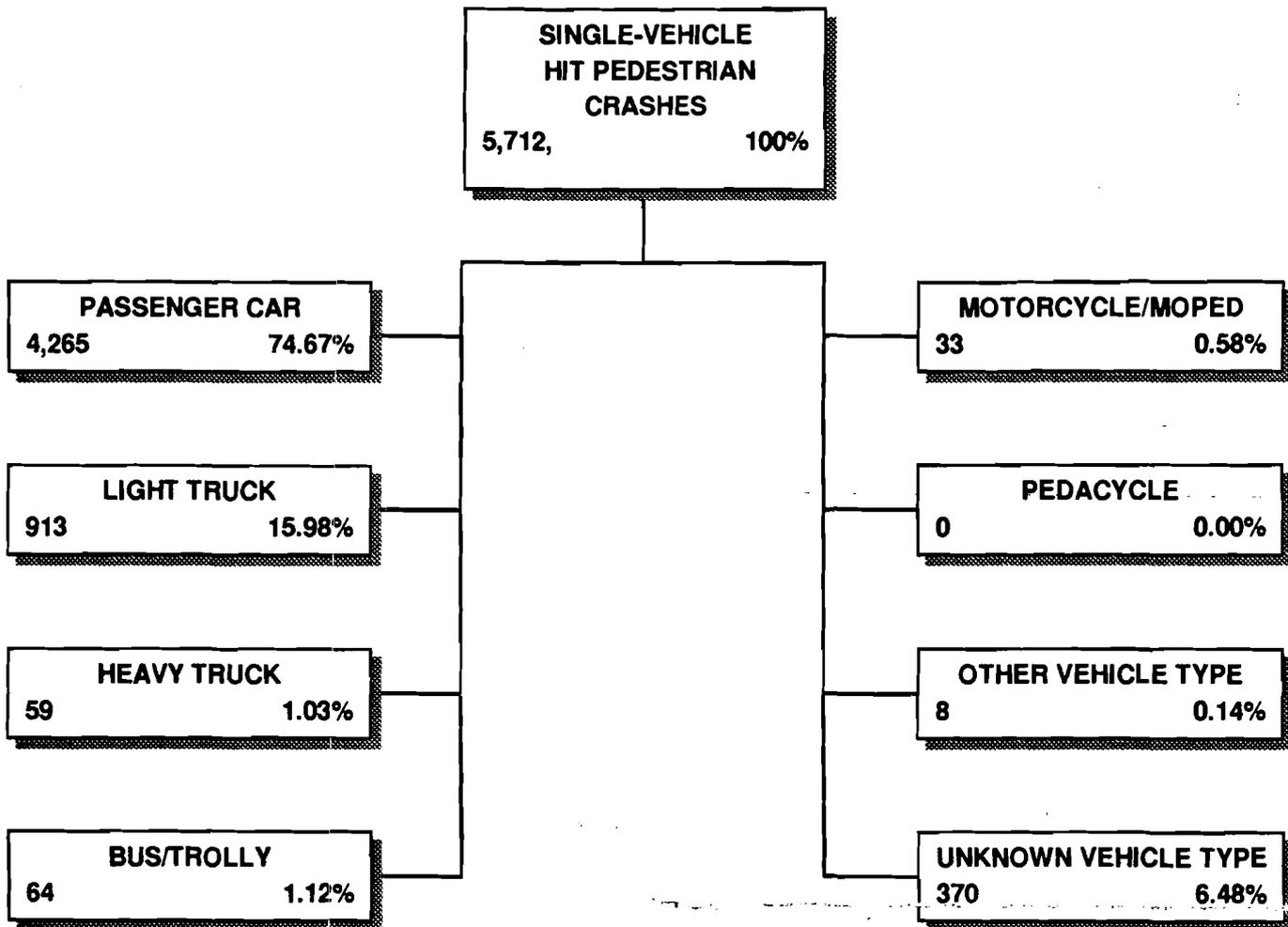


1993

1993 SINGLE VEHICLE HIT FIXED OBJECT CRASHES



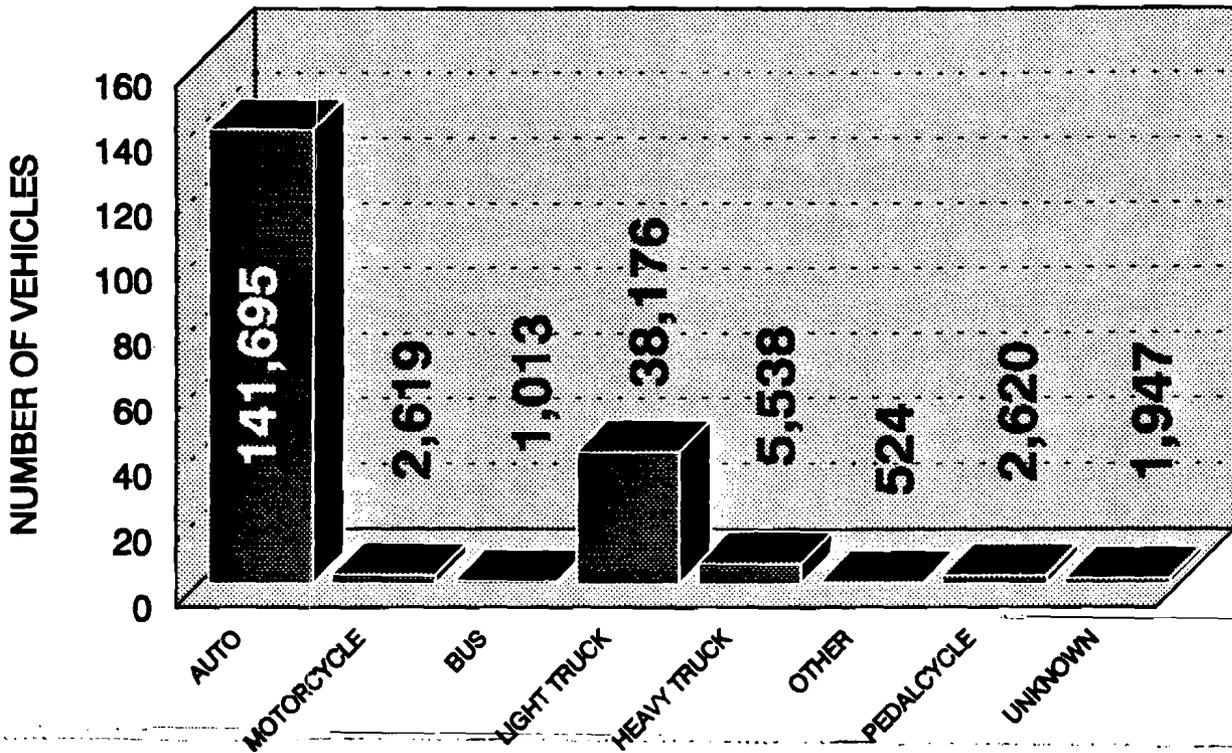
1993 SINGLE VEHICLE HIT PEDESTRIAN CRASHES



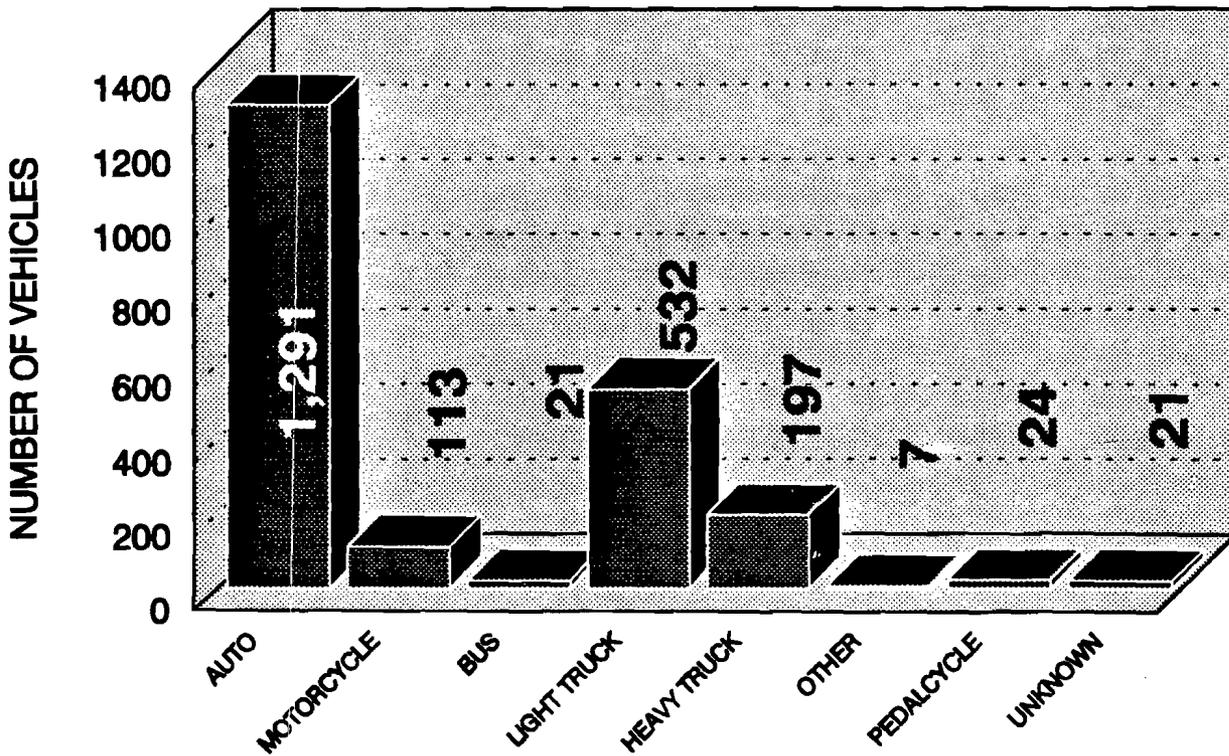
1993 TWO VEHICLE COLLISIONS

VEHICLE STRUCK / STRIKING VEHICLE	CAR	LIGHT TRUCK	HEAVY TRUCK	BUS/ TROLLEY	MOTORCYCLE/ MOPED	OTHER/ UNKNOWN	TOTAL ACCIDENTS
CAR	36,341	10,219	1,523	368	343	1,462	50,256
LIGHT TRUCK	9,750	2,943	483	100	81	336	13,693
HEAVY TRUCK	1,455	389	274	33	5	26	2,182
BUS/ TROLLEY	230	43	12	10	1	17	313
MOTORCYCLE/ MOPED	648	219	18	5	25	16	931
OTHER/ UNKNOWN	1,575	325	24	18	25	154	2,121
TOTAL ACCIDENTS	49,999	14,138	2,334	534	480	2,011	69,496

1993 VEHICLE INVOLVEMENT IN CRASHES



1993 VEHICLE INVOLVEMENT IN FATAL CRASHES

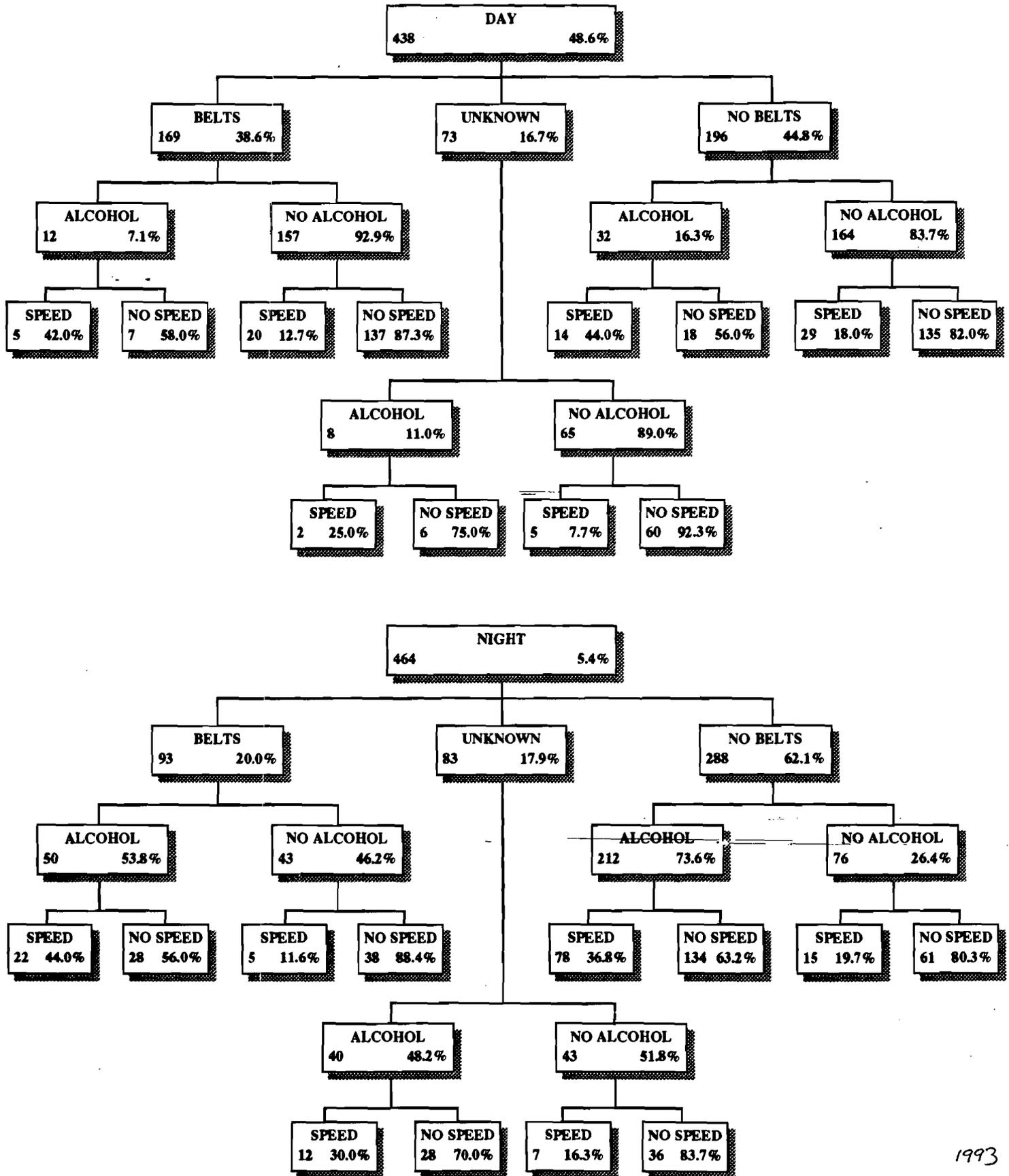


1993 PASSENGER CAR CRASHES

	ALL CRASHES	FATAL CRASHES
Vehicle Registration:		
Pennsylvania	128,604 (92.24%).....	1,007 (91.05%).....
Out of State.....	9,936 (7.13%).....	90 (8.14%).....
Not Applicable/Unknown.....	888 (0.64%).....	9 (0.81%).....
 Driver License:		
Pennsylvania.....	122,259 (87.69%).....	983 (88.88%).....
Out of State.....	10,713 (7.68%).....	87 (7.87%).....
No license.....	1,709 (1.23%).....	23 (2.08%).....
Not Applicable/Unknown.....	4,747 (3.40%).....	13 (1.18%).....

1993 PASSENGER CAR FATALITIES*

902 100%



1993

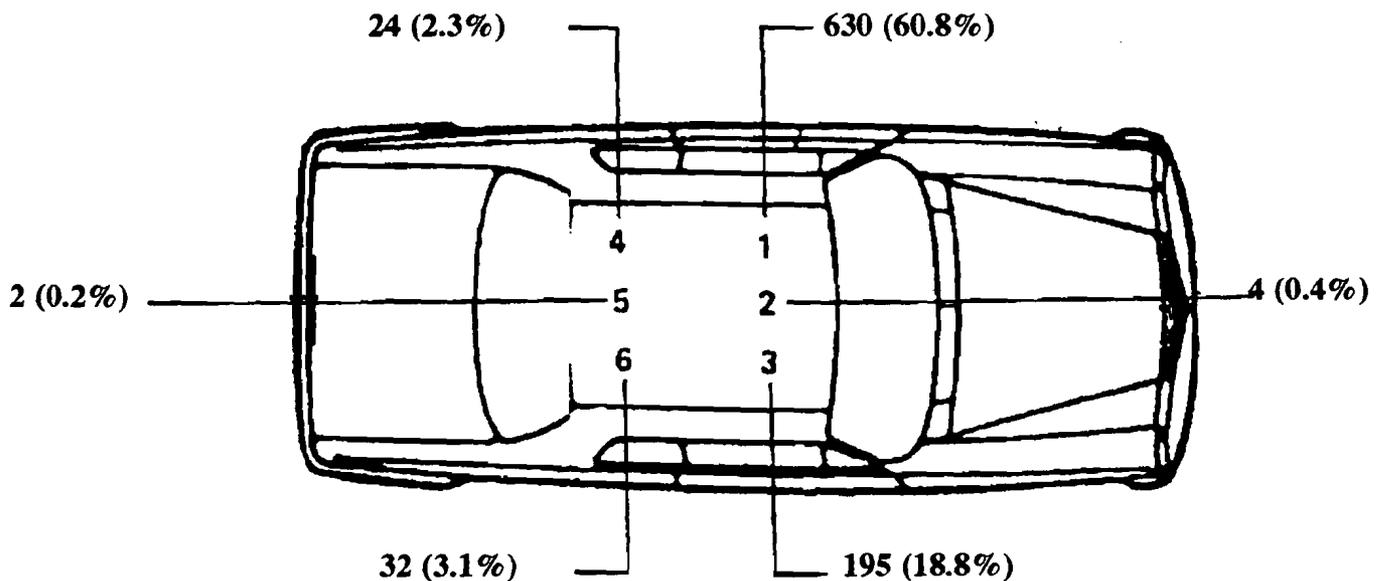
* PEDESTRIANS EXCLUDED

SEATING POSITION OF PASSENGER CAR FATALITIES

1993

PASSENGER CAR FATALITIES IN 1992: 1,037 (67.8%)
 OF THE TOTAL HIGHWAY DEATHS IN 1992 1993
 DRIVERS KILLED: 630 (60.8%) PASSENGERS KILLED: 257 (16.8%)

PASSENGER CAR FATALITIES BY SEATING POSITION:



- 7 = 135 (13.0%)
- 8 = 2 (0.2%)
- 9 = 13 (1.3%)

LEGEND:

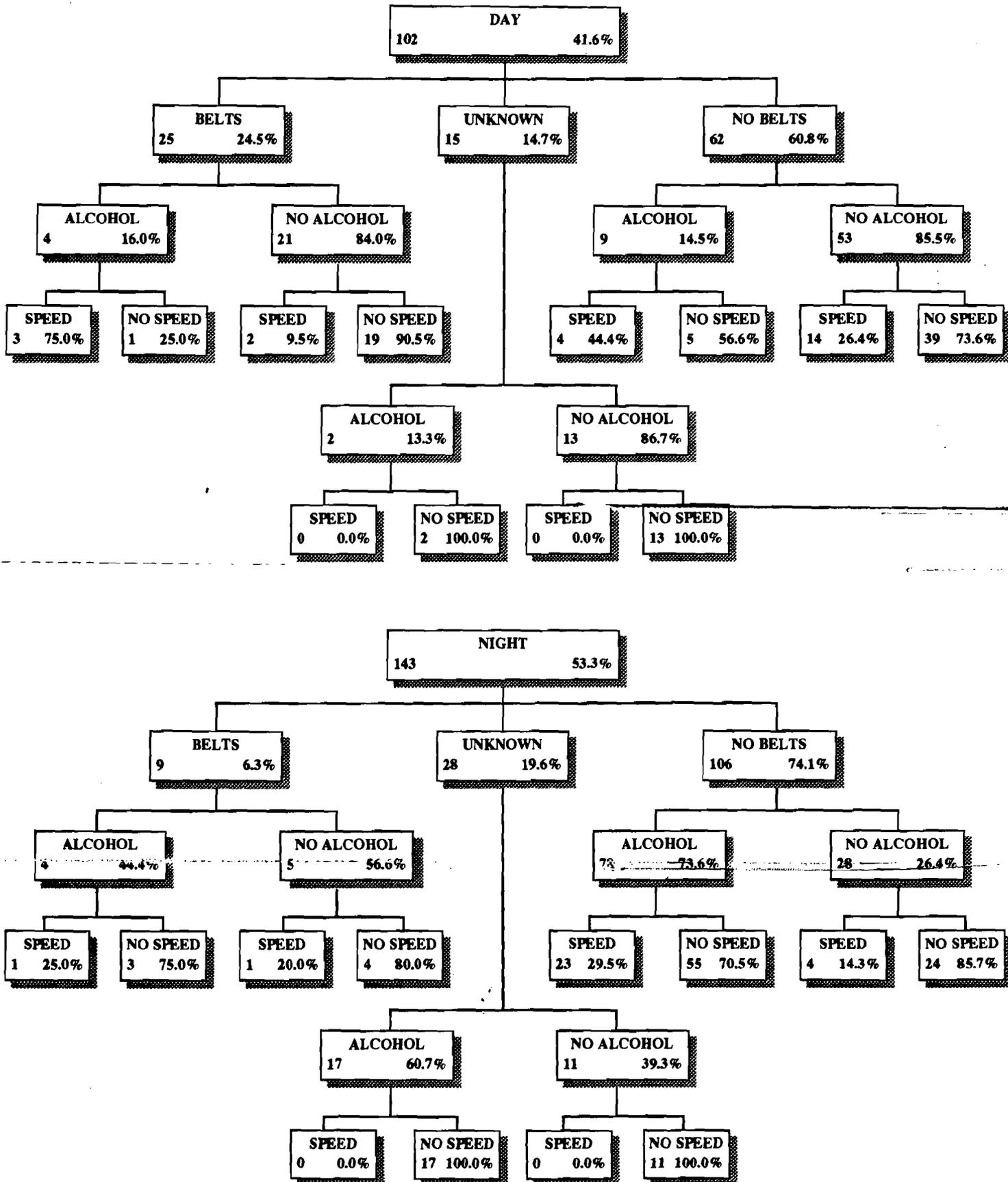
- 1 = DRIVER
- 2 = CENTER FRONT
- 3 = RIGHT FRONT
- 4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN, ETC.
- 5 = CENTER REAR
- 6 = RIGHT REAR PASSENGER OR MOTORCYCLE SIDECAR PASSENGER OR RIGHT SIDE PASSENGER ON A BUS OR VAN, ETC.
- 7 = PEDESTRIAN
- 8 = ANY PERSON IN THE REARMOST SEATS OF A STATION WAGON; PERSONS IN THE REAR OF A PICKUP TRUCK; ANY PERSON RIDING ON OR ATTACHED TO THE OUTSIDE OF A VEHICLE
- 9 = ANY TOWED UNIT/OTHER

1993 LIGHT TRUCK CRASHES

	ALL CRASHES	FATAL CRASHES
Vehicle Registration:		
Pennsylvania	36,740 (91.26%)	427 (91.04%)
Out of State.....	3,200 (7.95%)	39 (8.32%)
Not Applicable/Unknown.....	318 (0.79%)	3 (0.64%)
 Driver License:		
Pennsylvania	35,690 (88.65%)	421 (89.77%)
Out of State.....	3,279 (8.14%)	39 (8.32%)
No license	194 (0.48%)	4 (0.85%)
Not Applicable/Unknown.....	1,095 (2.72%)	5 (1.07%)

1993 LIGHT TRUCK FATALITIES*

245 100%



* PEDESTRIANS EXCLUDED

SEATING POSITION OF LIGHT TRUCK FATALITIES

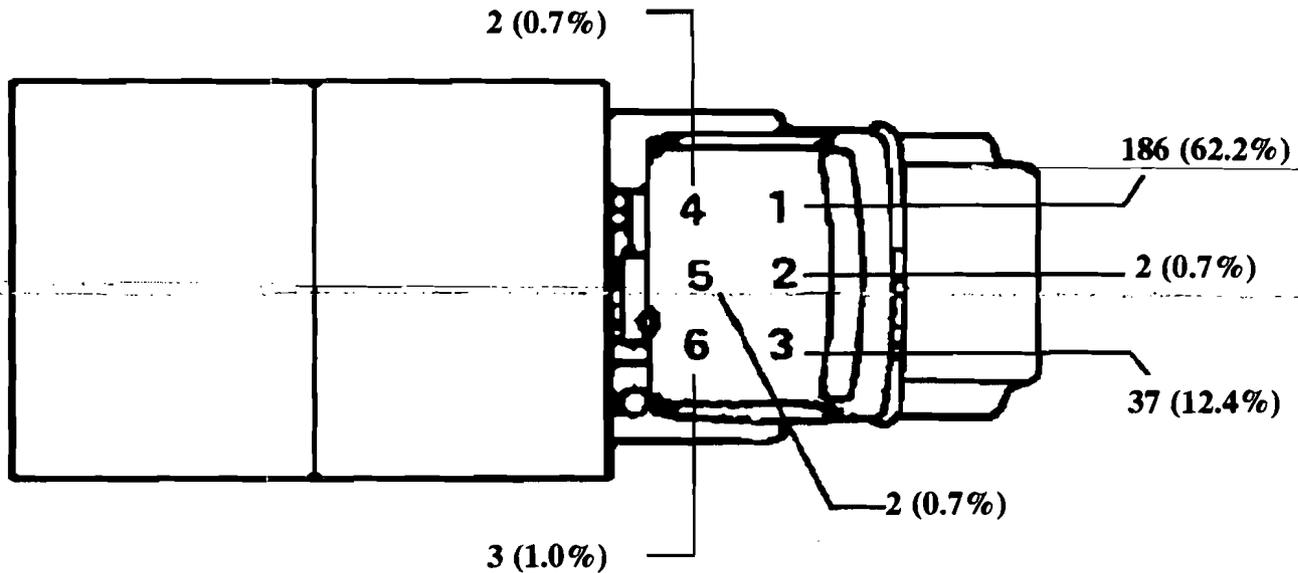
1993

SINGLE UNIT TRUCK OCCUPANTS KILLED IN 1992: 245 (24.1%)
OF THE TOTAL HIGHWAY DEATHS IN 1993

DRIVERS KILLED: 186 (62.2%)

PASSENGERS KILLED: 46 (15.5%)

LIGHT UNIT TRUCK FATALITIES BY SEATING POSITION:



7 = 54 (18.1%)

8 = 7 (2.3%)

9 = 6 (2.0%)

LEGEND:

1 = DRIVER

2 = CENTER FRONT

3 = RIGHT FRONT

4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN, ETC.

5 = CENTER REAR

6 = RIGHT REAR PASSENGER OR MOTORCYCLE SIDECAR PASSENGER OR RIGHT SIDE PASSENGER ON A BUS OR VAN, ETC.

7 = PEDESTRIAN

8 = ANY PERSON IN THE REARMOST SEATS OF A STATION WAGON; PERSONS IN THE REAR OF A PICKUP TRUCK; ANY PERSON RIDING ON OR ATTACHED TO THE OUTSIDE OF A VEHICLE

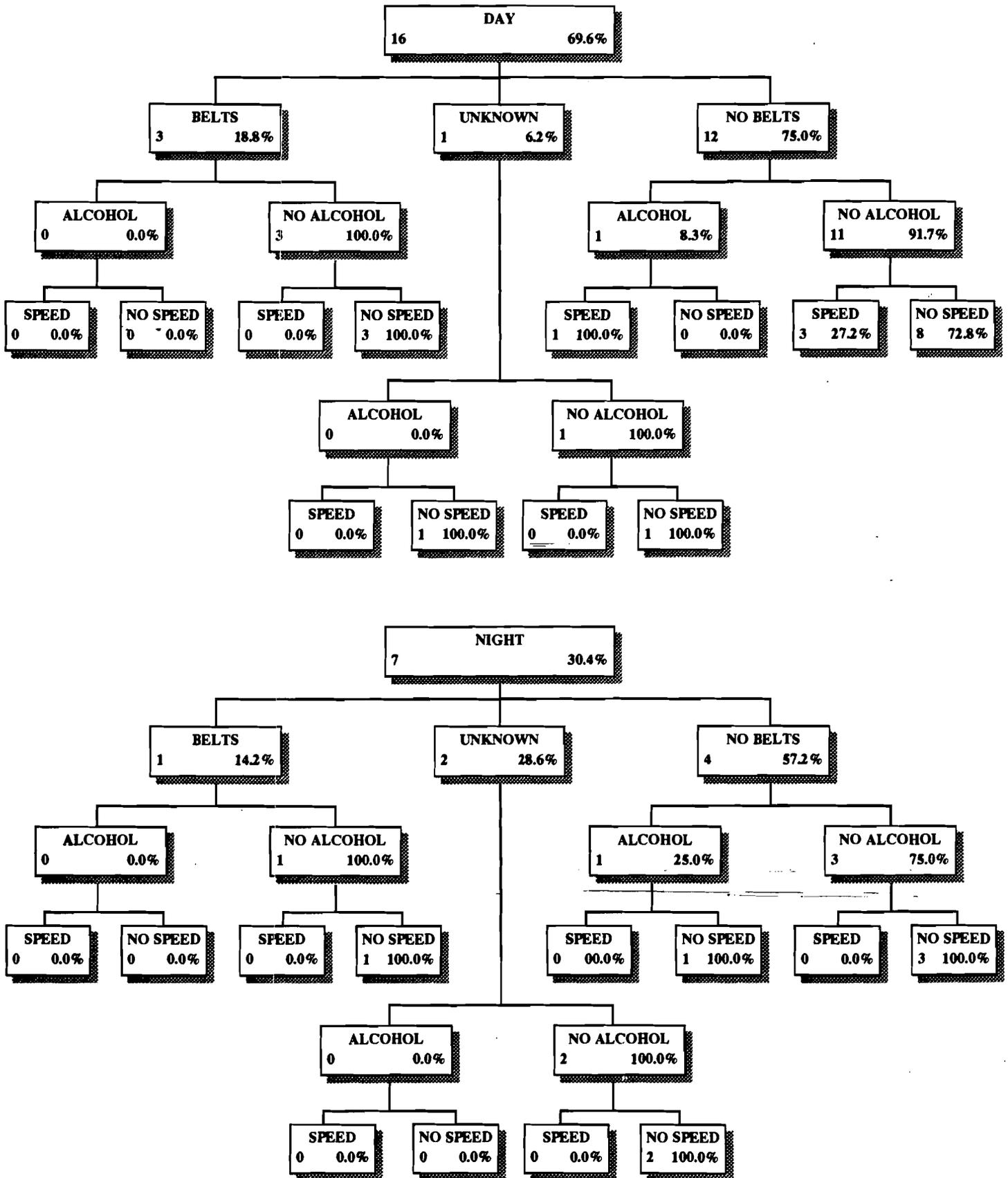
9 = ANY TOWED UNIT/OTHER

1993 HEAVY TRUCK CRASHES

	ALL CRASHES	FATAL CRASHES
Vehicle Registration:		
Pennsylvania	3,507 (57.47%)	104 (69.80%)
Out of State.....	2,446 (40.09%)	45 (30.20%)
Not Applicable/Unknown.....	149 (2.44%)	0 (0.00%)
 Driver License:		
Pennsylvania	3,750 (61.46%)	107 (71.81%)
Out of State.....	2,113 (34.63%)	42 (28.19%)
No license	3 (0.05%)	0 (0.00%)
Not Applicable/Unknown.....	236 (3.87%)	0 (0.00%)

1993 HEAVY TRUCK FATALITIES*

26 100%

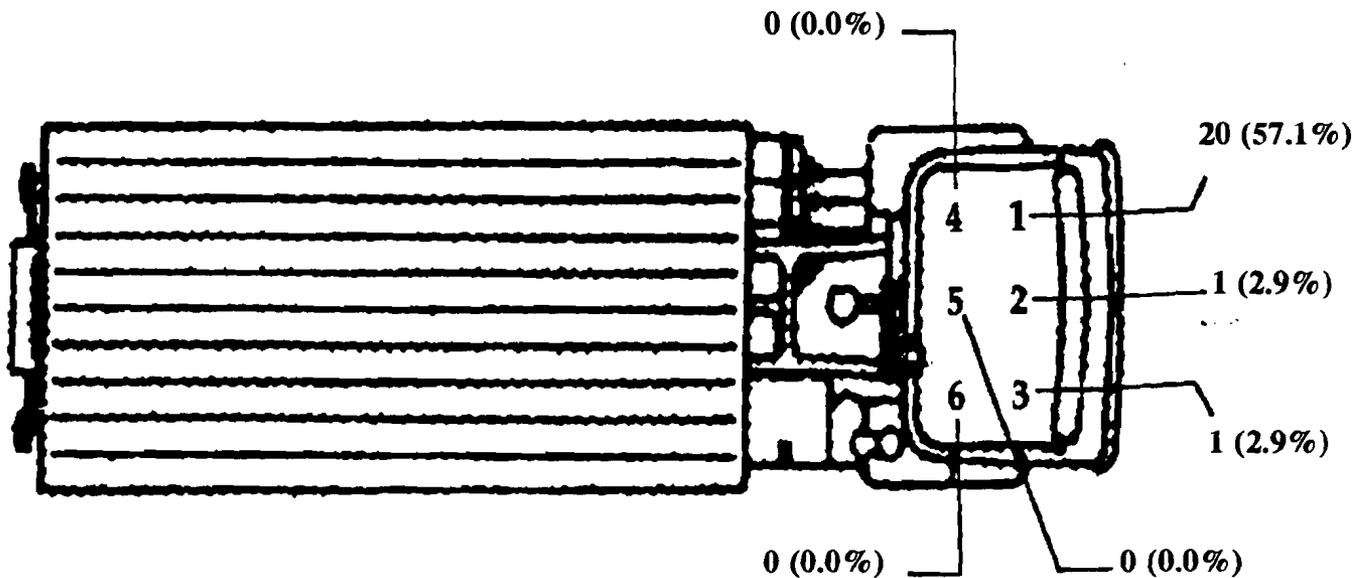


* PEDESTRIANS EXCLUDED

SEATING POSITION OF HEAVY TRUCK FATALITIES

1993
HEAVY TRUCK FATALITIES IN ~~1992~~ 1993: 35 (2.29%)
OF THE TOTAL HIGHWAY DEATHS IN 1993
DRIVERS KILLED: 20 (57.1%) PASSENGERS KILLED: 2 (5.8%)

TRUCK FATALITIES BY SEATING POSITION:



- 7 = 12 (34.3%)
- 8 = 1 (2.9%)
- 9 = 0 (0.0%)

LEGEND:

- 1 = DRIVER
- 2 = CENTER FRONT
- 3 = RIGHT FRONT
- 4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN, ETC.
- 5 = CENTER REAR
- 6 = RIGHT REAR PASSENGER OR MOTORCYCLE SIDECAR PASSENGER OR RIGHT SIDE PASSENGER ON A BUS OR VAN, ETC.
- 7 = PEDESTRIAN
- 8 = ANY PERSON IN THE REARMOST SEATS OF A STATION WAGON; PERSONS IN THE REAR OF A PICKUP TRUCK; ANY PERSON RIDING ON OR ATTACHED TO THE OUTSIDE OF A VEHICLE
- 9 = ANY TOWED UNIT/OTHER

1993 MOTORCYCLE CRASHES

ALL CRASHES

FATAL CRASHES

Vehicle Registration:

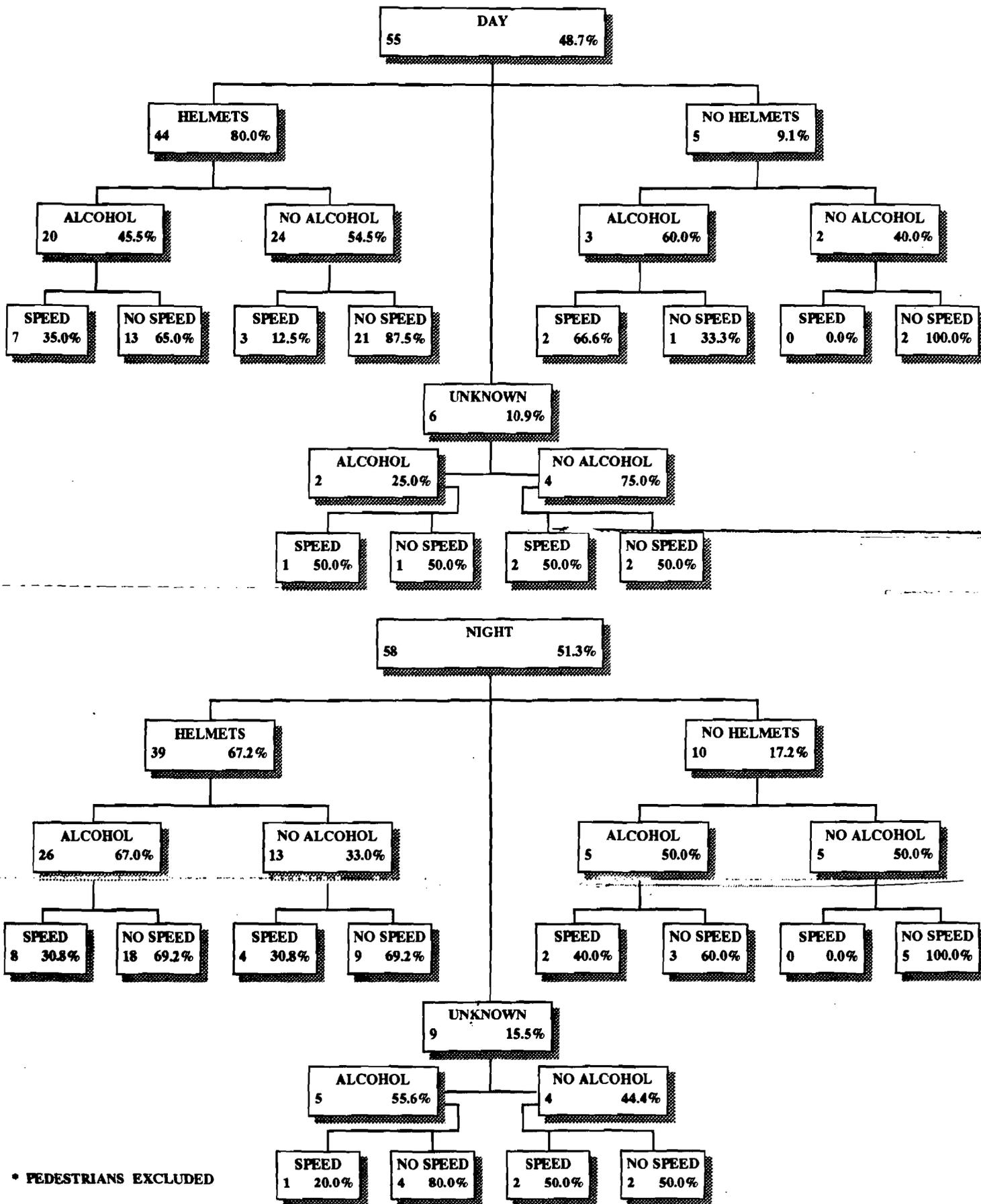
Pennsylvania	2,462 (90.25%)	96 (87.27%)
Out of State.....	188 (6.89%)	11 (10.00%)
Not Applicable/Unknown.....	78 (2.86%)	3 (2.73%)

Driver License:

Pennsylvania	2,360 (86.51%)	97 (88.18%)
Out of State.....	177 (6.49%)	11 (10.00%)
No license	99 (3.63%)	1 (0.91%)
Not Applicable/Unknown.....	92 (3.37%)	1 (0.91%)

1993 MOTORCYCLE FATALITIES*

113 100%



* PEDESTRIANS EXCLUDED

SEATING POSITION OF MOTORCYCLE FATALITIES

1993

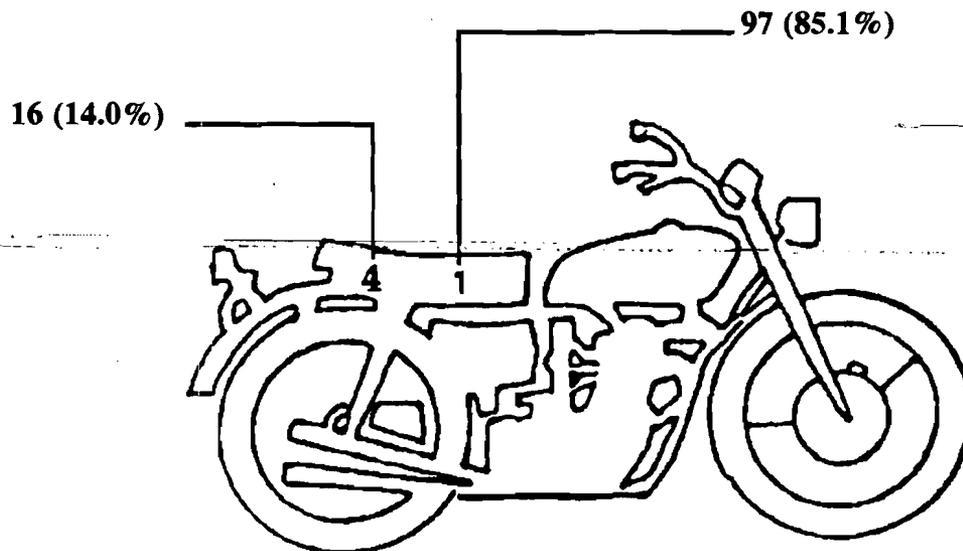
MOTORCYCLE FATALITIES IN 1992: 114 (7.45%)

OF THE TOTAL HIGHWAY DEATHS IN 1993

DRIVERS KILLED: 97 (85.1%)

PASSENGERS KILLED: 16 (14.0%)

MOTORCYCLE FATALITIES BY SEATING POSITION:



7 = 1 (0.9%)

LEGEND:

1 = DRIVER

4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN, ETC.

7 = PERSON PUSHING A MOTORCYCLE (USUALLY THE DRIVER)

8 = ANY PERSON IN THE REARMOST SEATS OF A STATION WAGON; PERSONS IN THE REAR OF A PICKUP TRUCK; ANY PERSON RIDING ON OR ATTACHED TO THE OUTSIDE OF A VEHICLE

1993 PEDALCYCLE CRASHES

NUMBER OF CRASHES INVOLVING PEDACYCLES IN 1993:

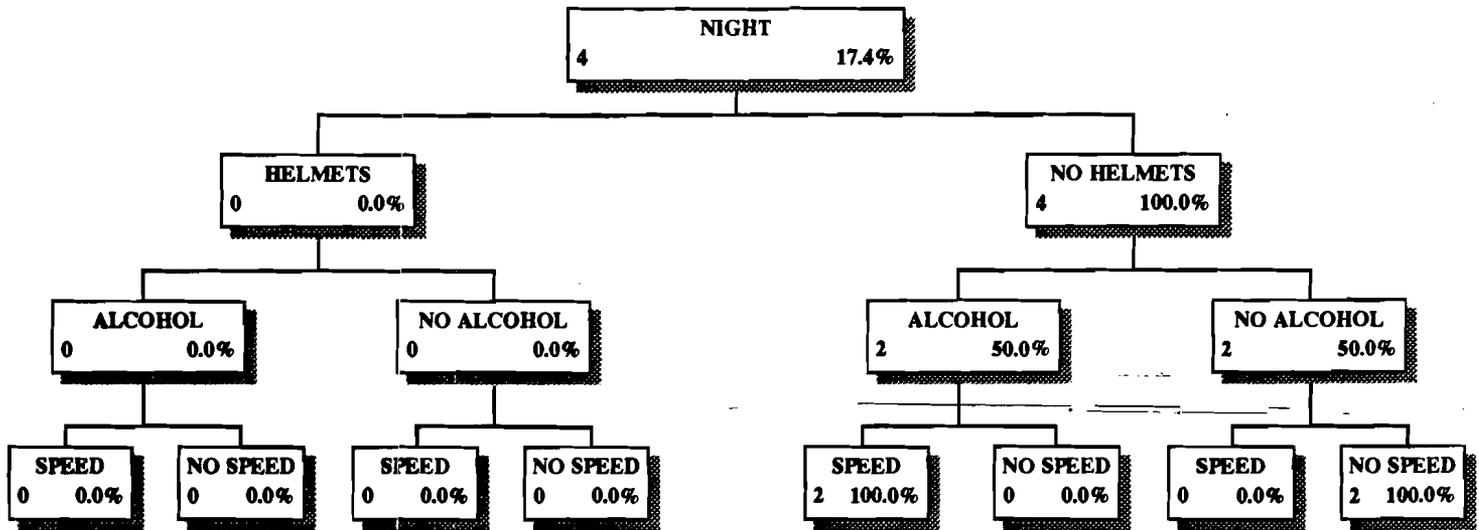
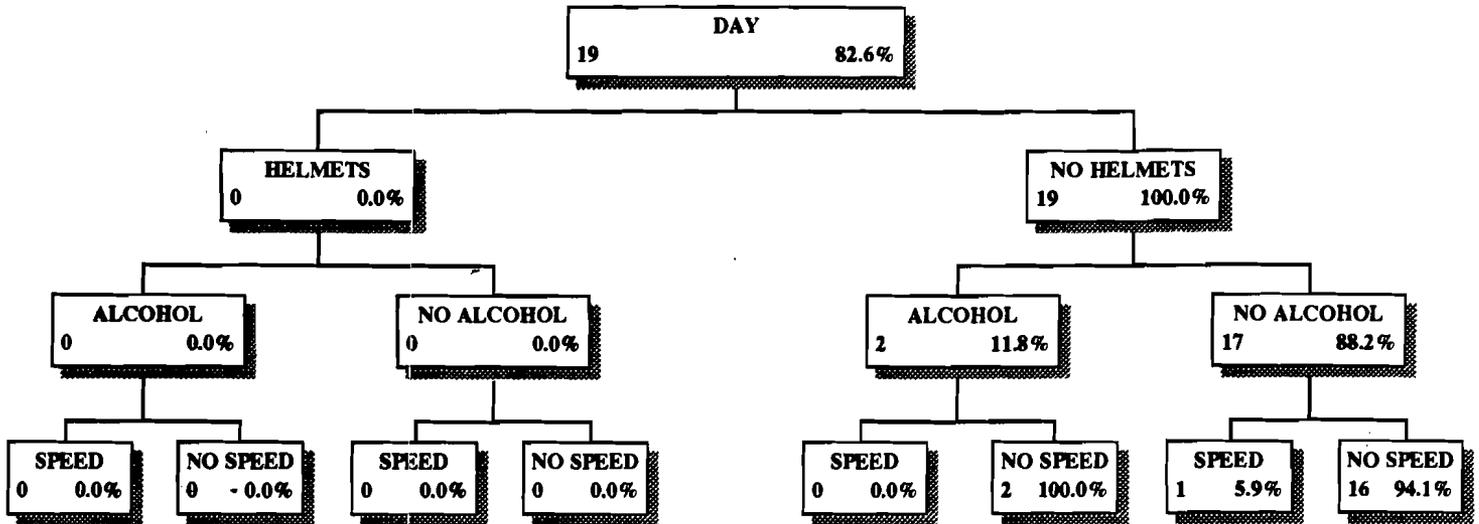
2,631

NUMBER OF PEDACYCLISTS INVOLVED IN FATAL CRASHES IN 1993:

23

1993 PEDALCYCLE FATALITIES*

23 100%

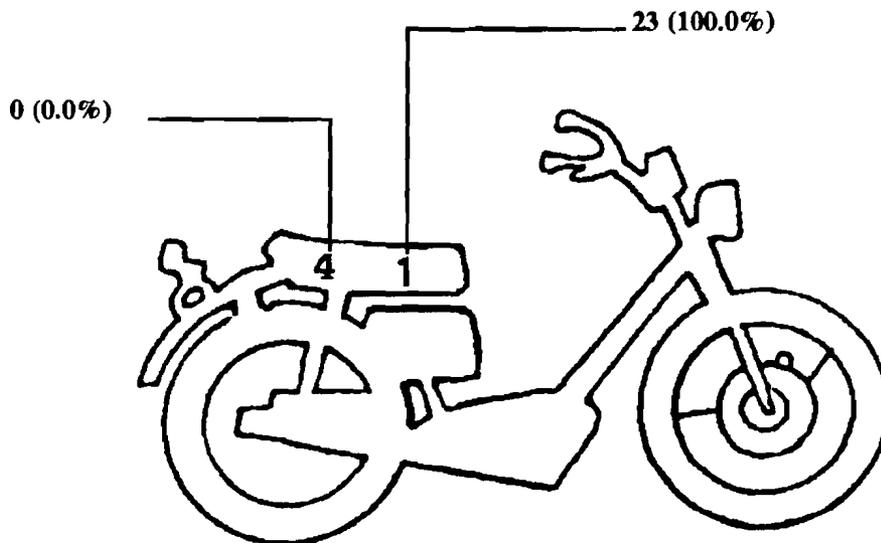


* PEDESTRIANS EXCLUDED

SEATING POSITION OF PEDACYCLIST FATALITIES

PEDACYCLIST FATALITIES IN 1993: 23 (1.5%)
OF THE TOTAL HIGHWAY DEATHS IN 1993
DRIVERS KILLED: 23 (100.0%) PASSENGERS KILLED: 0 (0.0%)

PEDALCYCLIST FATALITIES BY SEATING POSITION:



LEGEND:

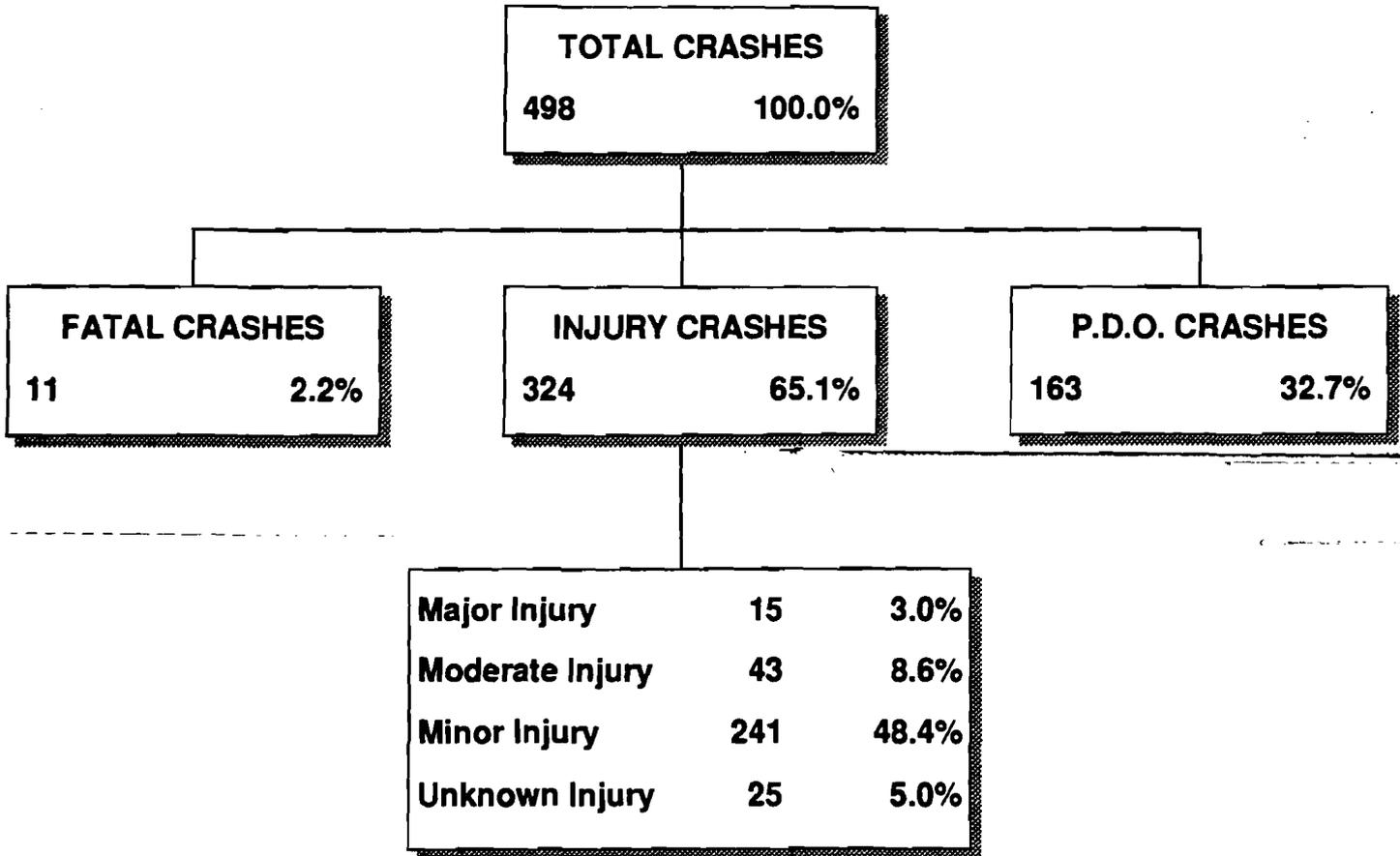
1 = DRIVER

4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN, ETC.

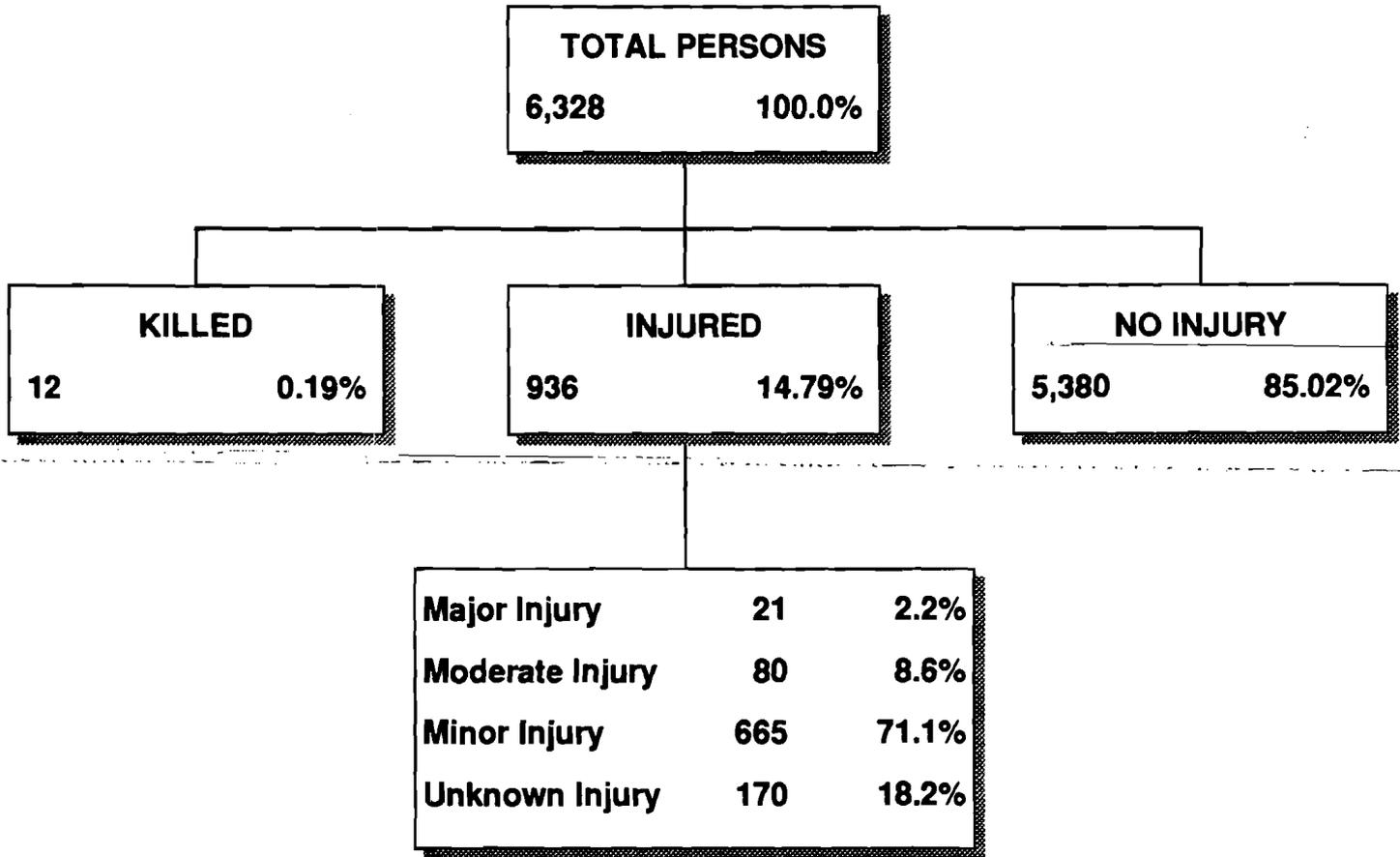
CRASHES INVOLVING SCHOOL BUSES IN PUPIL TRANSPORT 1988-1993

YEAR	CRASH SEVERITY				PERSONS KILLED	PERSONS INJURED
	FATAL	INJURY	P.D.O.	TOTAL		
1988	5	265	111	381	6	741
1989	2	297	160	459	2	867
1990	6	317	151	474	7	977
1991	4	285	161	450	4	817
1992	5	353	160	518	5	1,197
1993	11	324	163	498	12	936

1993 SCHOOL BUS CRASHES IN PUPIL TRANSPORT



1993 SCHOOL BUS CRASHES IN PUPIL TRANSPORT PERSONS INVOLVED



**PERSONS KILLED IN CRASHES INVOLVING SCHOOL BUSES
IN PUPIL TRANSPORTATION
1989 - 1993**

YEAR	SCHOOL BUS DRIVERS	SCHOOL BUS PASSENGER	PEDESTRIANS HIT BY SCHOOL BUS		DRIVER/PASSENGER OF OTHER VEHICLE	TOTAL
			SCHOOL-AGE	OTHER		
1989	0	0	0	0	2	2
1990	0	1	2	0	4	7
1991	0	0	2	0	2	4
1992	0	1	1	0	3	5
1993	0	1	1	0	8	12
5-YEAR TOTAL	0	3	6	0	19	30

IX. DEFINITIONS

DEFINITIONS

The following is a list of terms and definitions frequently used in this report.

- **Crash Description:** A description which characterizes the first harmful event which caused the crash to be reportable and is described as one of the following:
- **Non-Collision:** A harmful event that does not involve a collision with a fixed object or a non-fixed object. These events include explosion, fire, overturn immersion, vehicle being struck by a flying object.
- **Angle Collision:** A collision in which the colliding vehicles are on opposite roadways at the point of intersection, such as a driveway entrance ramp, or road intersection.
- **Rear-End Collision:** A collision where vehicles, traveling in the same direction on the same road, collide.
- **Head-On Collision:** A collision where vehicles, traveling in opposite directions on the same road, collide.
- **Sideswipe:** A collision between two vehicles in which the sides of both vehicles sustained minimal engagements.
- **Hit Fixed Object:** A collision in which a vehicle collides with objects attached to the terrain or stationary objects intentionally placed for a particular purpose.
- **Hit Pedestrian:** A collision between one or more motor vehicles and any person(s) not in or upon any of the vehicles.
- **DUI:** Driving Under The Influence.
- **BAC:** Blood Alcohol Content, the percent of alcohol in the blood stream. Drivers with a BAC of 0.10% or greater are prohibited from driving a vehicle in Pennsylvania.
- **Growth Rate:** The slope of the regression line of the data over a period of time (generally 5 years in this book) expressed in terms of a year. The *average* annual increase or decrease over the time period.
- **Harmful Event:** An occurrence of bodily damage or property damage.
- **Vehicle Miles:** A measure of traffic equal to one vehicle traveling one mile on the road (or 5,280 vehicles traveling one foot on the road).

CRASH SEVERITY:

- **Fatal Crash:** An crash in which one or more of the involved persons died within 30 days of the crash.
- **Injury Crash:** An crash in which none of the involved were killed but at least one was injured.
- **Property Damaged Only Crash (P.D.O.):** A reportable crash where no one was killed or injured, but damage to the vehicle required towing.
- **Alcohol Related Crash:** Any reportable crash in which one or more of the drivers was reported to have been drinking, or a drinking pedestrian was involved.
- **Holidays:** The holiday weekend begins at 6:00 p.m. of the last working day and ends at midnight on the last day of the holiday. Pre-holiday weekends and post-holiday weekends are time periods equivalent to that of the holiday occurring the weekend before or the weekend after the holiday, respectively. It is significant to look at these statistics because, in many instances, the number of crashes and/or fatalities (injuries) are equal to, or greater than, those occurring on the actual holiday weekend.

1993

INJURY SEVERITY:

- **Fatality:** Any injury which causes death within 30 days of the crash - attributable to the crash.
- **Major Injury:** Any injury other than fatal which by its severity requires immediate emergency transport, such as by ambulance, to a hospital or clinic for medical treatment and/or hospitalization. Major injuries would include amputation of limb(s), severe burns, etc..
- **Moderate Injury:** Any injury which may require some form of medical treatment, but is not life threatening or incapacitating. These injuries should be visible. Moderate injuries would include a cut which requires several stitches or a broken finger or toe.
- **Minor Injury:** An injury which can be treated by first aid application whether at the scene of the crash or in a medical facility. Complaints of injuries which are not visible, and do not appear to be of any major or moderate nature, should be considered as minor injuries.

PERSON TYPE:

- **Driver:** The occupant of a vehicle who is in actual physical control of a vehicle in transport or, for an out-of-control vehicle, the occupant who was in control before control was lost.
- **Occupant:** Any person who is in or upon a vehicle, including the driver, passengers, and persons riding on the outside of the vehicle.
- **Passenger:** Any occupant of a vehicle who is not the driver.
- **Pedestrian:** Any person not in or upon a vehicle.

REPORTABLE CRASHES:

- **Highway Crashes Characterized by the following:**
 - Crashes resulting in a death within at least 30 days of the crash or injury, in any degree, to any persons involved.
 - Crashes resulting in damage to any vehicle serious enough to require towing.

VEHICLES TYPES:

- **Passenger Car:** Vehicle designed to transport 8 persons or less. Includes: Convertible, hardtop, sedan, station wagon, limousine, etc..
- **Light Truck:** Vehicle consisting primarily of a single motorized transport device designed for carrying a load of property on or in the device. Includes: Jeep, pickup truck, van (excluding moving horse), tow truck.
- **Heavy Truck:** In the context of this publication, includes tractor (cab only), and tractor-trailer combination.
- **Bus:** Vehicle designed to transport more than 8 persons. Includes: School Bus, cross-country, urban transit, trackless trolley.
- **Motorcycle Body Type:** Includes motorcycle, mo-ped, mini-bike, motor scooter, trike (motorized tricycle), go-cart, vendor cycle.
- **Pedalcycle:** Any non-motorized vehicle propelled by pedaling. Includes: Unicycle, bicycle, tricycle, big wheel.
- **Special Motorized Vehicle:** Includes ambulance, hearse, snow mobile, farm tractor, motorized farm equipment, self-propelled campers and homes, motorized construction equipment, dune buggy, swamp buggy (ATV).
- **Track/Non-Motorized Vehicle:** Includes train, trolley, horse and buggy, horse and rider.

**The
Commonwealth of Pennsylvania**

**Governor
*Robert P. Casey***

**Secretary of Transportation
*Howard Yerusolim***