

1991

**TRAFFIC
ACCIDENT
FACTS
AND
STATISTICS**



1991

INTRODUCTION

The **1991 TRAFFIC ACCIDENT FACTS AND STATISTICS** is a report published by the Center for Highway Safety of the Pennsylvania Department of Transportation.

This publication is a statistical review of reportable motor vehicle traffic accidents in the Commonwealth of Pennsylvania for the calendar year 1991. The figures are compiled from the traffic accident 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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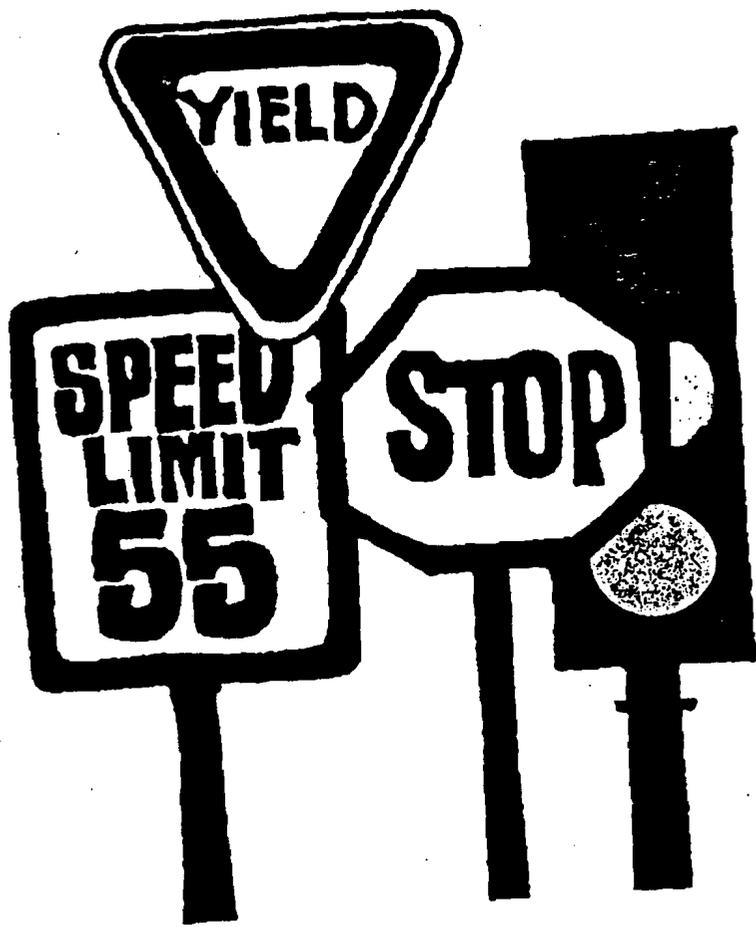
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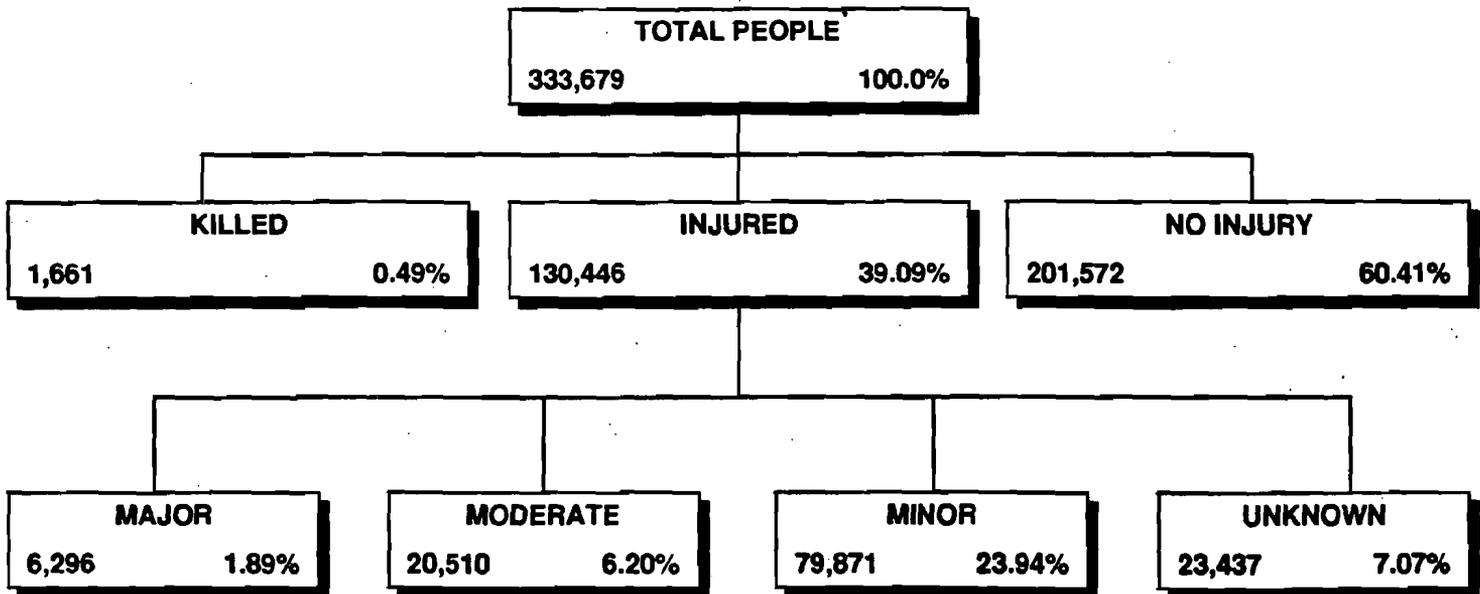
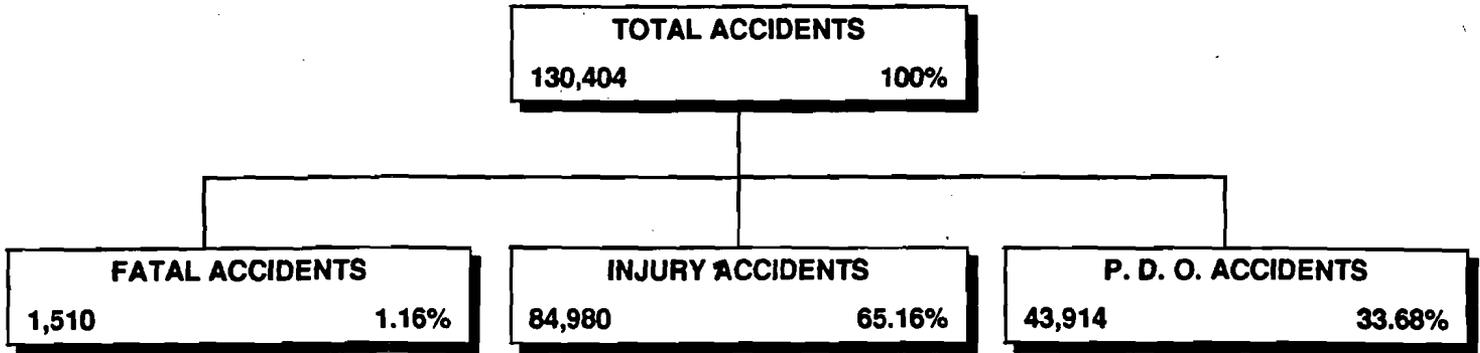
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I. HIGHLIGHTS

1991
TOTAL ACCIDENTS BY
ACCIDENT SEVERITY



1991 OPERATOR-VEHICLE-ROAD DATA

7,969,695	LICENSED OPERATORS
8,757,129	REGISTERED MOTOR VEHICLES
11,881,643	POPULATION OF THE COMMONWEALTH OF PENNSYLVANIA (1990 Census)
116,688	MAINTAINED MILES OF ROAD (1991 DATA)
	STATE.....40,658
	LOCAL.....71,227
	TURNPIKE.....474
	OTHER.....4,329

87.281 BILLION VEHICLE MILES DRIVEN

	STATE HIGHWAYS	INTERSTATES	TURNPIKE	LOCAL & OTHER
Accidents.....	81,758	6,302	1,346	40,999
Persons Killed.....	1,240	123	21	277
Persons Injured	83,671	5,613	967	40,195
Vehicle Miles Traveled (million vehicle miles).....	55,615	11,534	4,257	15,875
Accidents/100 Million Vehicle Miles	147.01	54.64	31.62	258.26
Persons Killed 100 Million Vehicle Miles.....	2.23	1.07	0.49	1.74
Persons Injured/ 100 Million Vehicle Miles	150.45	48.67	22.72	253.20

1991

ACCIDENT STATISTICS

4.6 PERSONS WERE KILLED EVERY DAY (ONE EVERY 5.3 HOURS).

357.4 PERSONS WERE INJURED EVERY DAY (ONE EVERY 4.0 MINUTES).

ONE PA LICENSED DRIVER OUT OF 36.7 WAS INVOLVED IN AN ACCIDENT.

ONE PA REGISTERED VEHICLE OUT OF 40.3 WAS INVOLVED IN AN ACCIDENT.

59.5% OF DRIVERS IN ALL ACCIDENTS WERE MALE.

56.4% OF DRIVERS IN FATAL ACCIDENTS WERE MALE.

59.5% OF ALL ACCIDENTS HAPPENED IN DAYLIGHT CONDITIONS.

56.4% OF FATAL ACCIDENTS HAPPENED IN DARK CONDITIONS.

50.4% OF FATAL ACCIDENTS HAPPENED ON WEEKENDS [FRIDAY, SATURDAY AND SUNDAY].

MOST DANGEROUS DAY: SATURDAY WITH 18.2% OF ALL FATAL ACCIDENTS.

MOST DANGEROUS HOURS: BETWEEN 10 P.M. AND 3 A.M. WITH 28.9% OF ALL FATAL ACCIDENTS.

78.1% OF ALL ACCIDENTS OCCURRED UNDER NO ADVERSE WEATHER CONDITIONS.

72.8% OF ALL ACCIDENTS OCCURRED ON A DRY SURFACE.

10.8% OF ALL ACCIDENTS INVOLVED ALCOHOL

40.8% OF FATAL ACCIDENTS INVOLVED ALCOHOL.

1991 ECONOMIC LOSS DUE TO REPORTABLE TRAFFIC ACCIDENTS

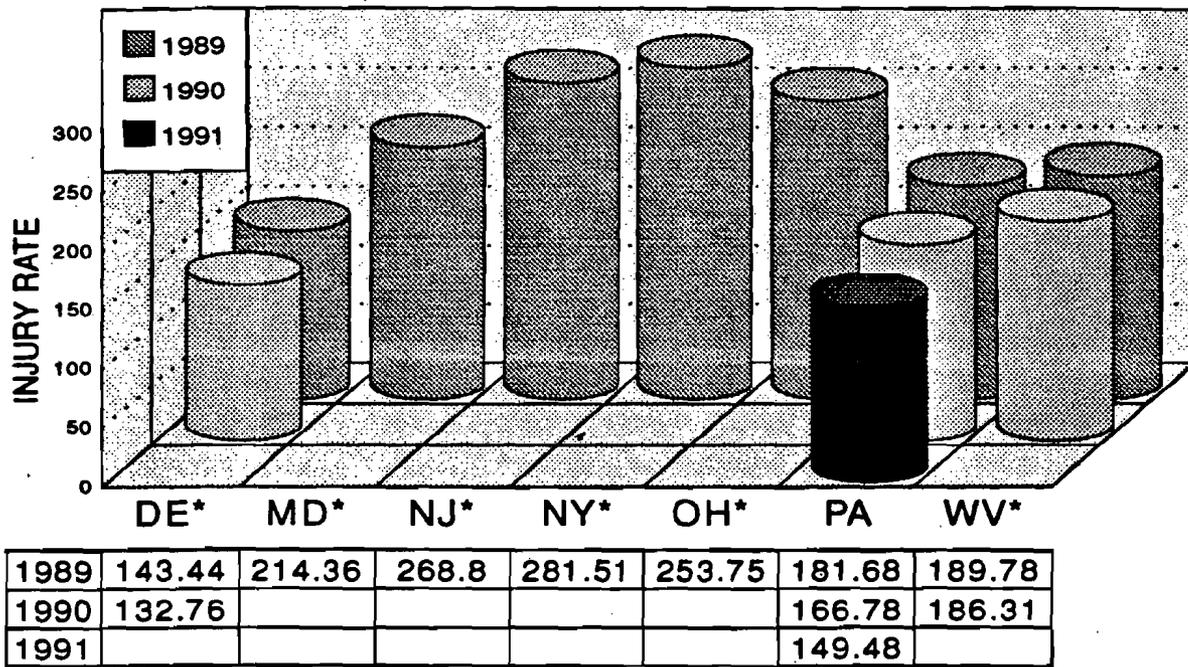
SEVERITY	NUMBER	AVERAGE* COSTS	ESTIMATED COSTS
FATALITIES	1,661	\$1,259,544.00	\$2,092,102,584
INJURIES			
MAJOR	6,296	\$310,440.00	\$1,954,530,240
MODERATE	20,695	\$10,062.00	\$208,233,090
MINOR	103,455	\$3,284.00	\$339,746,220
PROPERTY DAMAGE ONLY ACCIDENTS	43,914	\$1,994.00	\$87,564,516
TOTAL			\$4,682,176,650

THE ECONOMIC LOSS TO EVERY MAN, WOMAN AND CHILD IN PA IN 1991 WAS \$394.07

* Figures based upon the latest FHWA estimates.

1989-1991 INJURY RATES: PA VS NEIGHBORING STATES

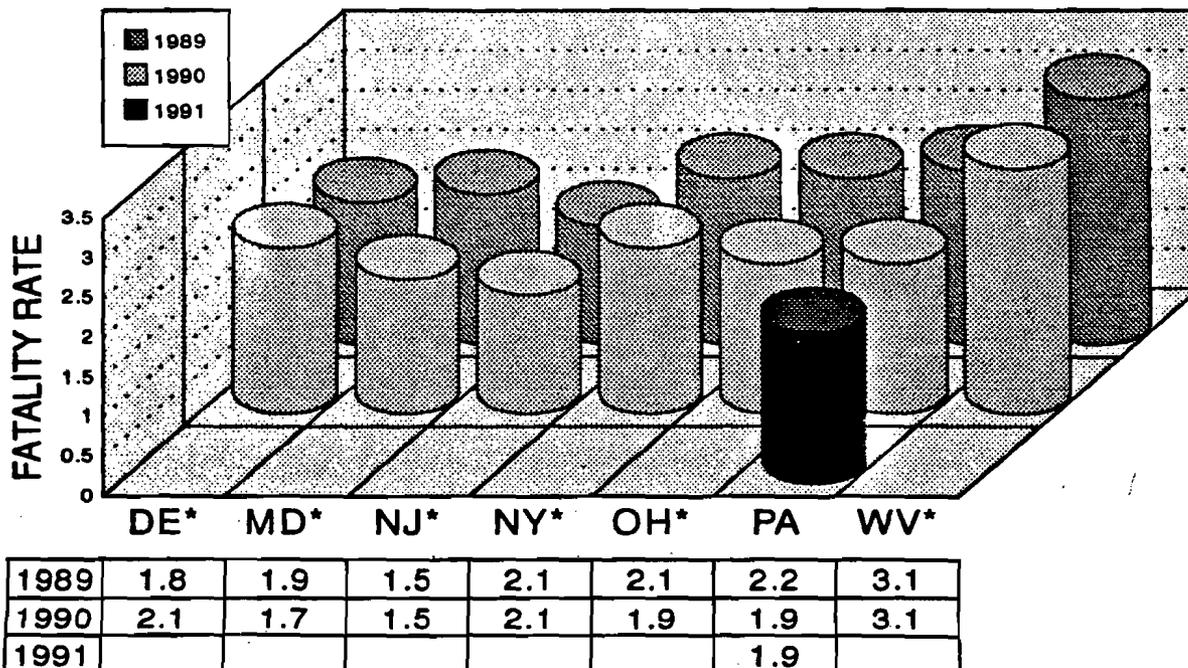
RATE: INJURY PER 100 MILLION VEHICLE MILES



* Data not available for 1991

1989-1991 FATALITY RATES: PA VS NEIGHBORING STATES

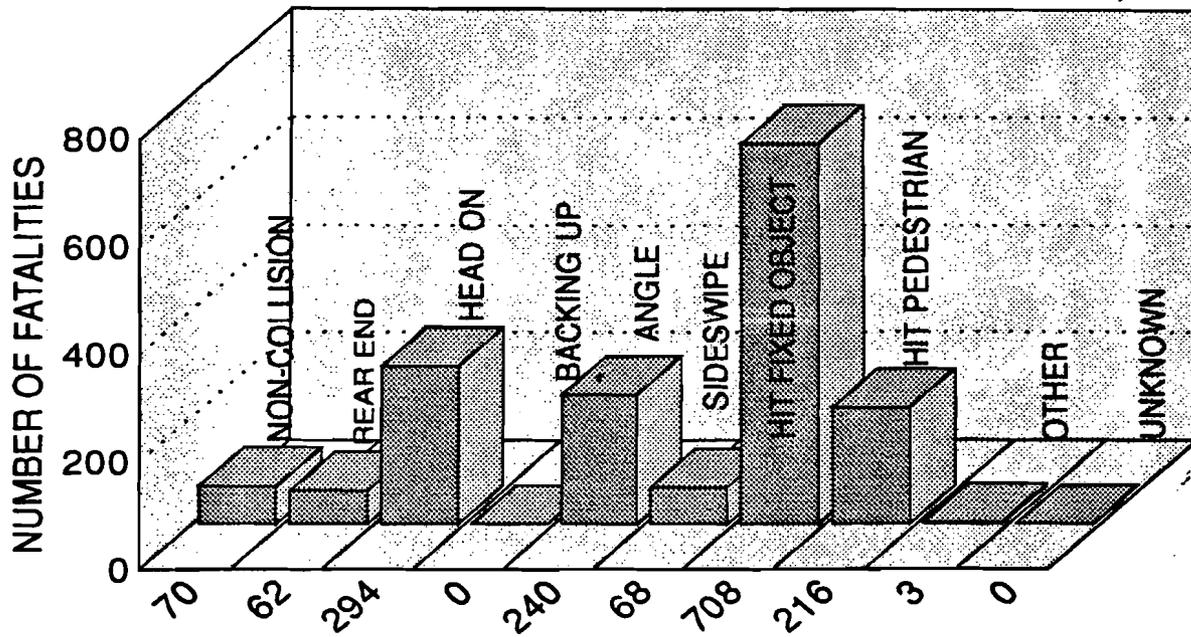
RATE: FATALITIES PER 100 MILLION VEHICLE MILES



* Data not available for 1991

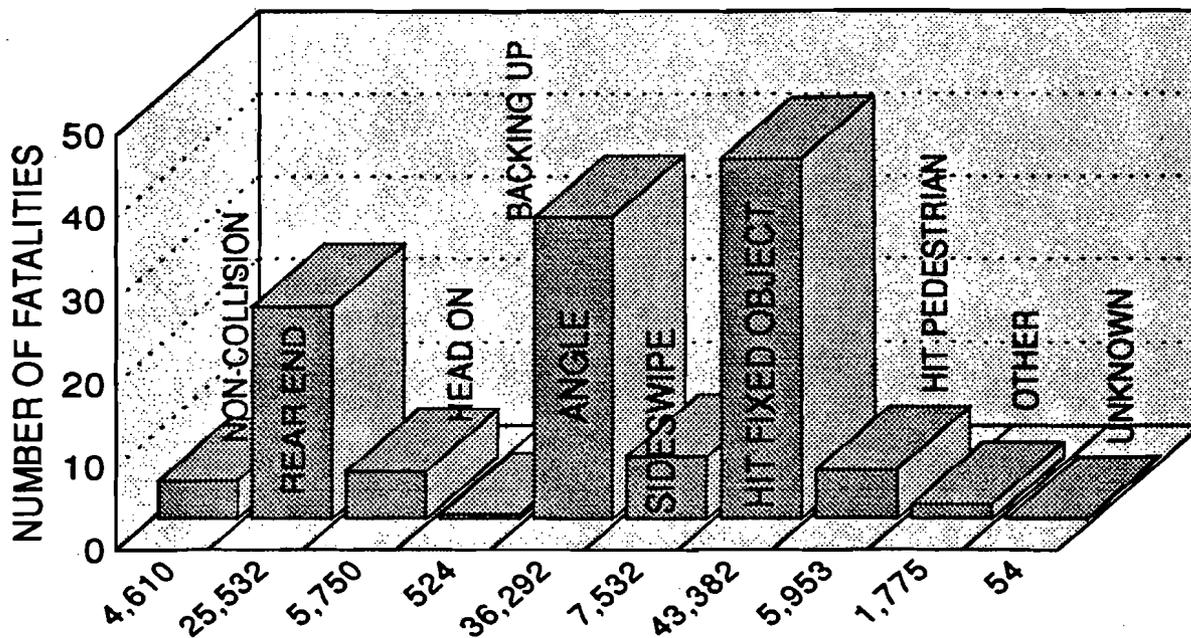
1991 FATALITIES

BY ACCIDENT TYPE



1991 TOTAL ACCIDENTS

BY ACCIDENT TYPE





II. TRENDS

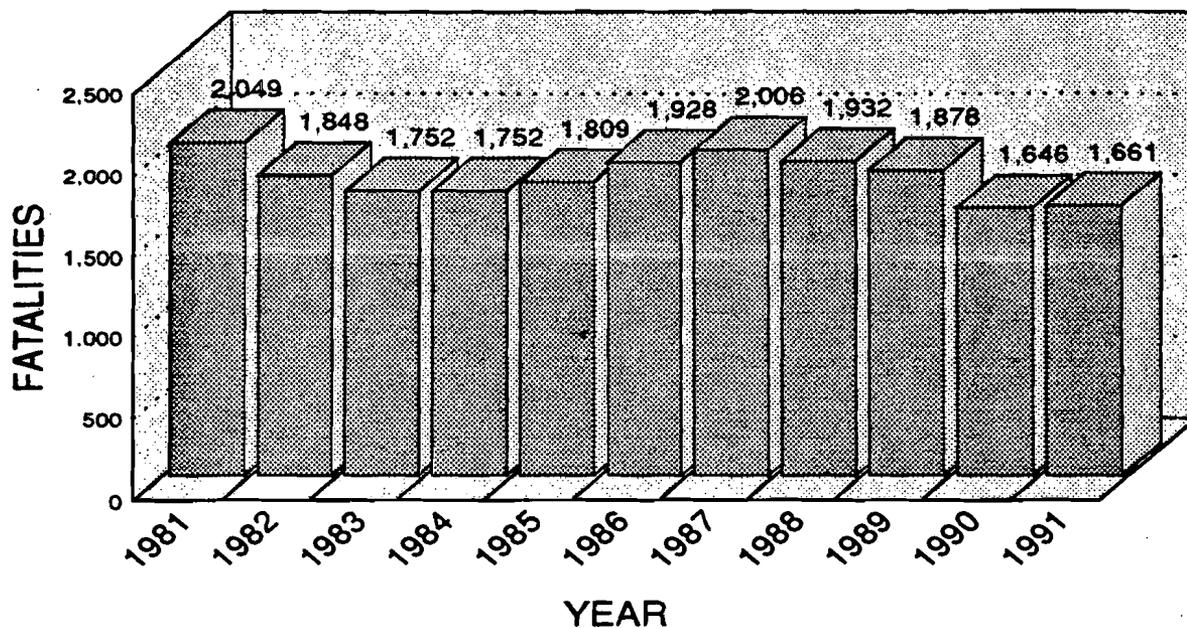
PA ACCIDENT FACTS

	1987	1988	1989	1990	1991
REPORTED ACCIDENTS	152,631	152,906	151,461	141,340	130,404
TOTAL KILLED	2,006	1,932	1,878	1,646	1,661
TOTAL INJURED	151,457	154,018	152,589	142,945	130,466
MAJOR	7,318	7,395	7,551	6,938	6,296
MODERATE	39,917	29,329	28,402	26,510	20,695
MINOR	101,608	106,506	94,919	84,060	79,871
UNKNOWN	2,614	10,788	21,717	25,437	23,584
PEDESTRIANS KILLED	252	266	251	267	234
PEDESTRIANS INJURED	7,085	7,053	6,769	6,684	6,282
MOTORCYCLISTS KILLED	153	132	113	109	109
MOTORCYCLISTS INJURED	4,515	4,102	3,159	3,495	3,326
PEDALCYCLISTS KILLED	35	32	27	27	18
PEDALCYCLISTS INJURED	3,379	2,841	2,641	2,598	2,685
TRUCK RELATED FATALITIES	330	333	283	214	214
ALCOHOL RELATED FATALITIES	862	856	825	737	681
BILLIONS OF VEHICLE MILES	78.9	81.3	84.5	85.7	87.3
DEATHS PER 100 MILLION VEHICLE MILES	2.54	2.38	2.22	1.92	1.90
INJURIES PER 100 MILLION VEHICLE MILES	191.96	189.49	180.50	166.78	149.48

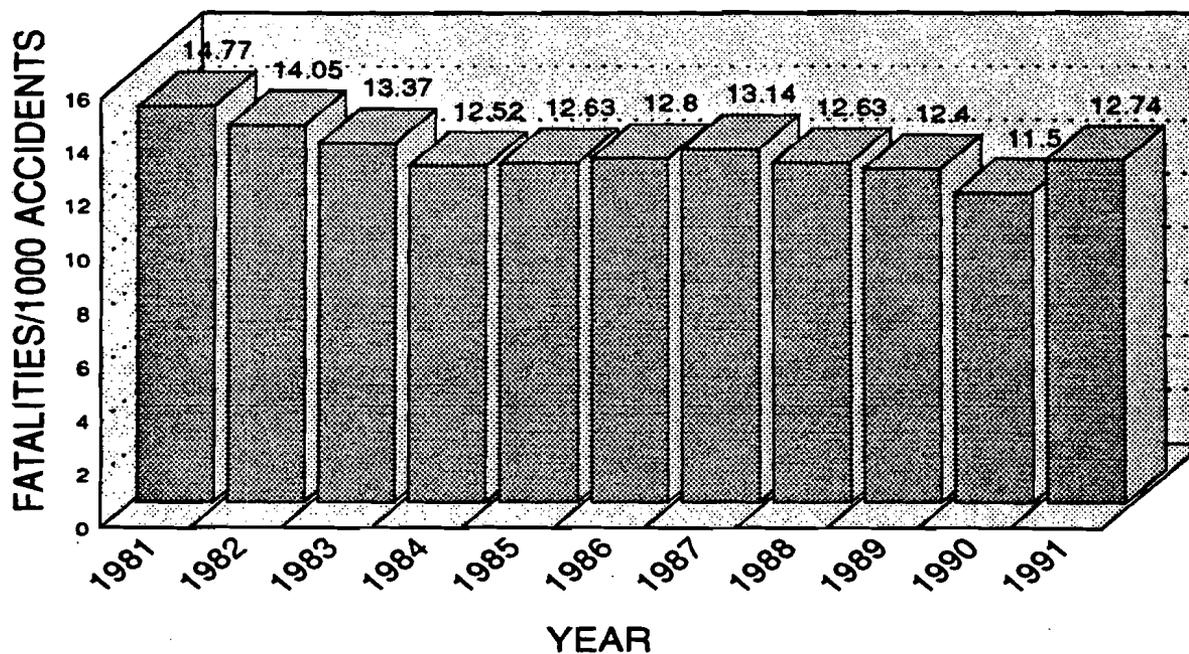
HISTORICAL TRENDS -- HIGHWAY ACCIDENT STATISTICS

YEAR	TOTAL ACCIDENTS	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

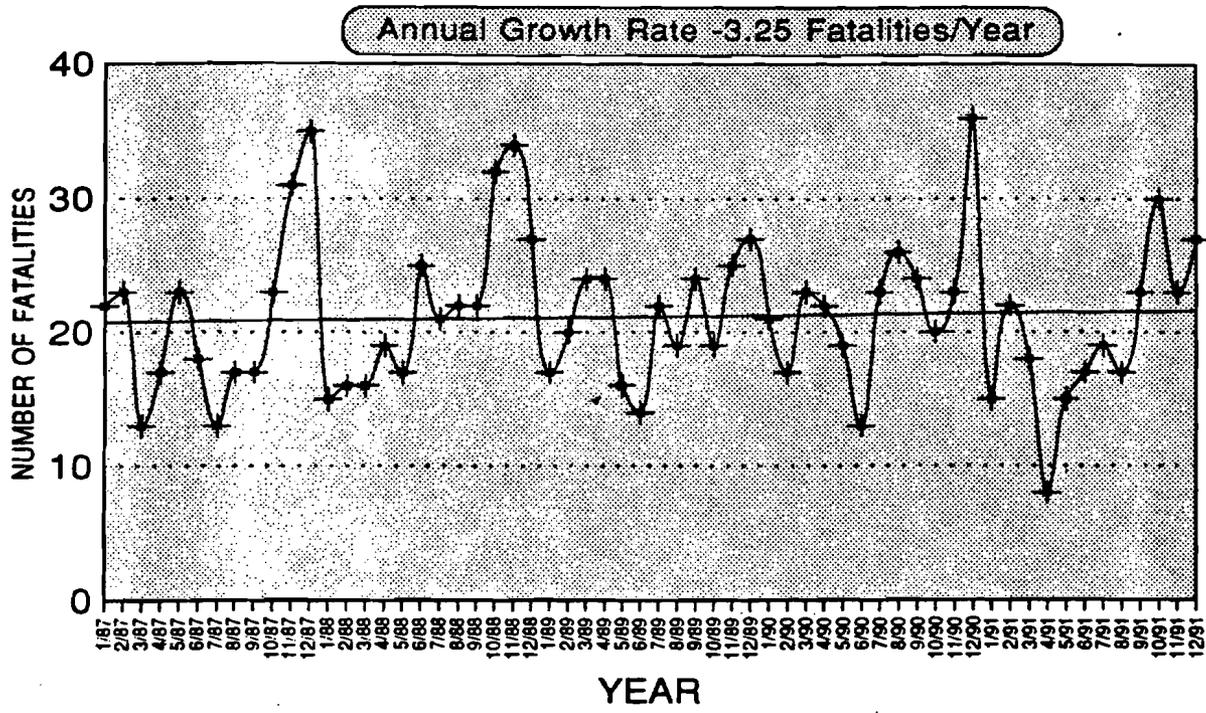
HIGHWAY FATALITIES 1981 - 1991



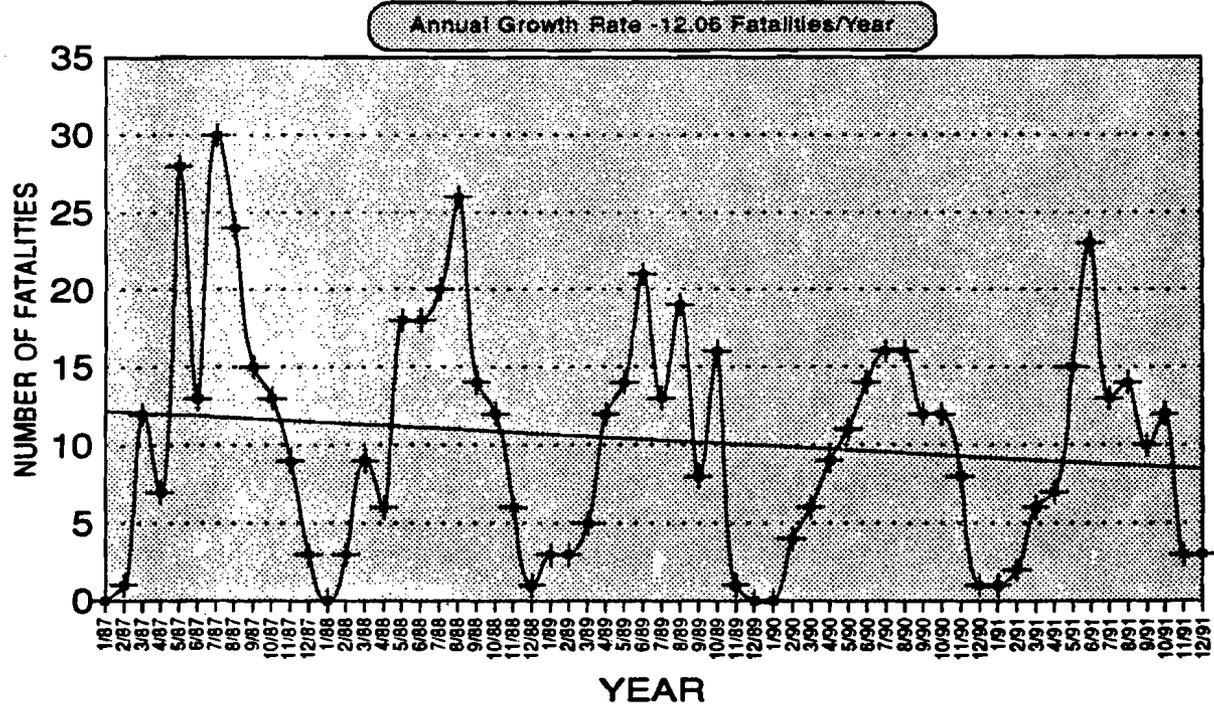
FATALITIES PER 1,000 ACCIDENTS 1981 - 1991



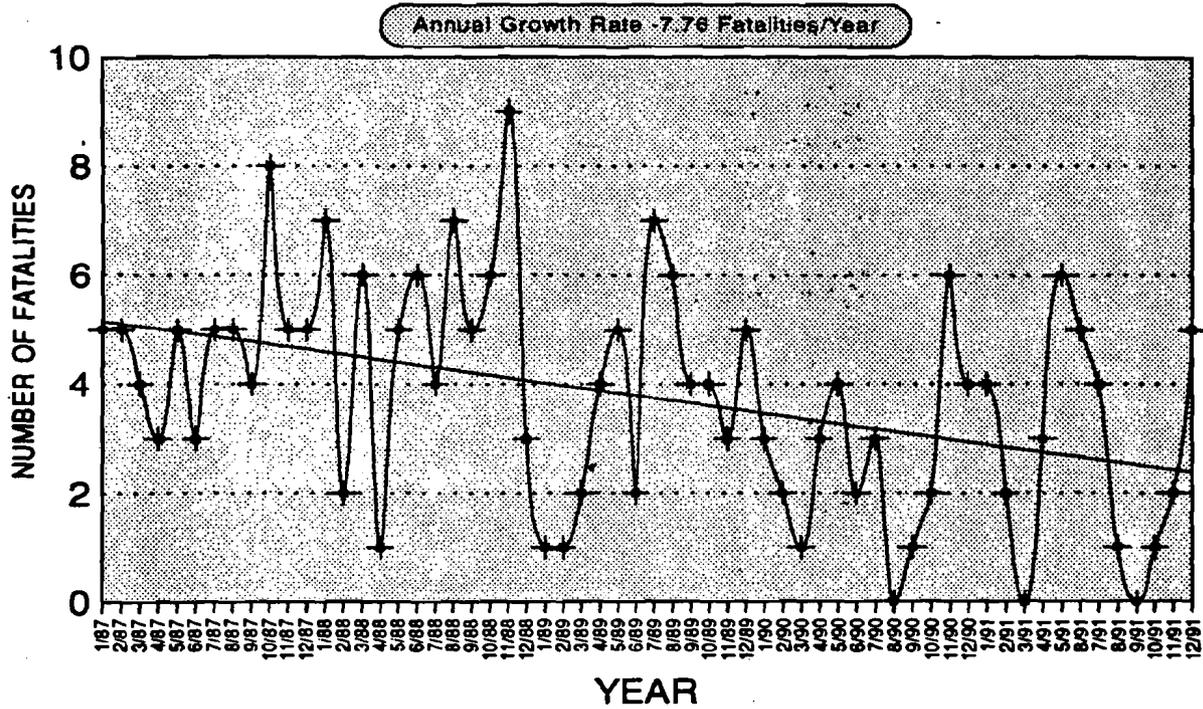
PEDESTRIAN FATALITIES BY MONTH 1987 - 1991



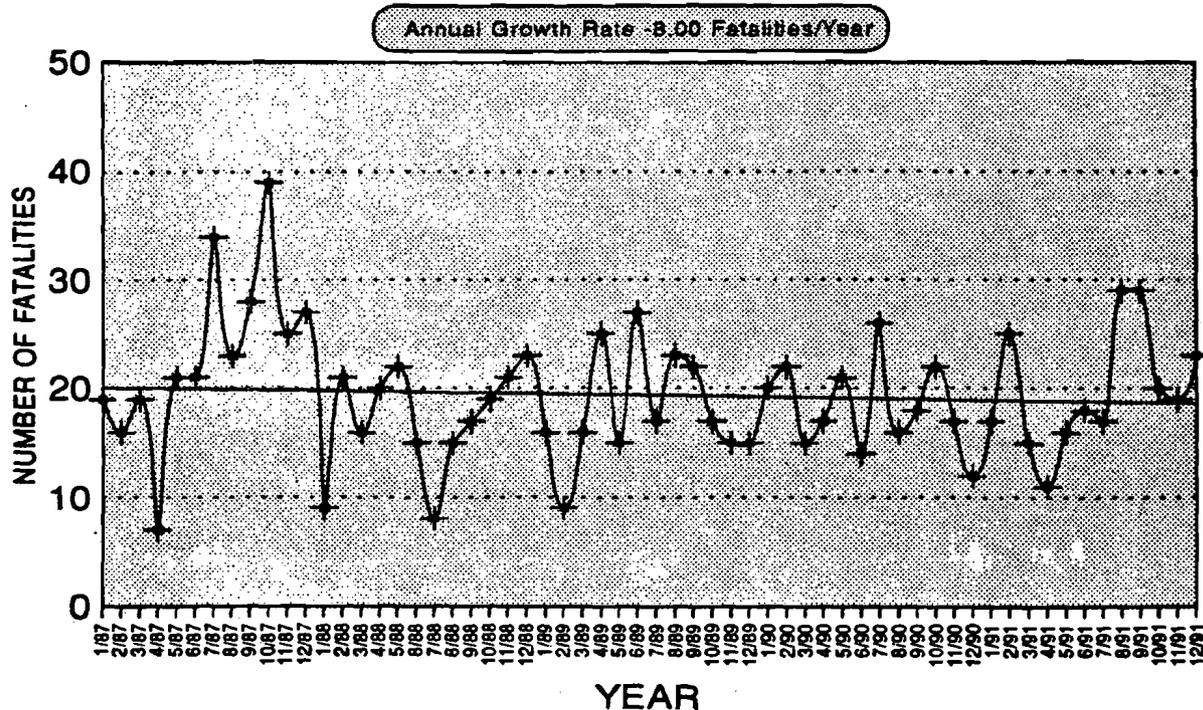
MOTORCYCLE FATALITIES BY MONTH 1987 - 1991



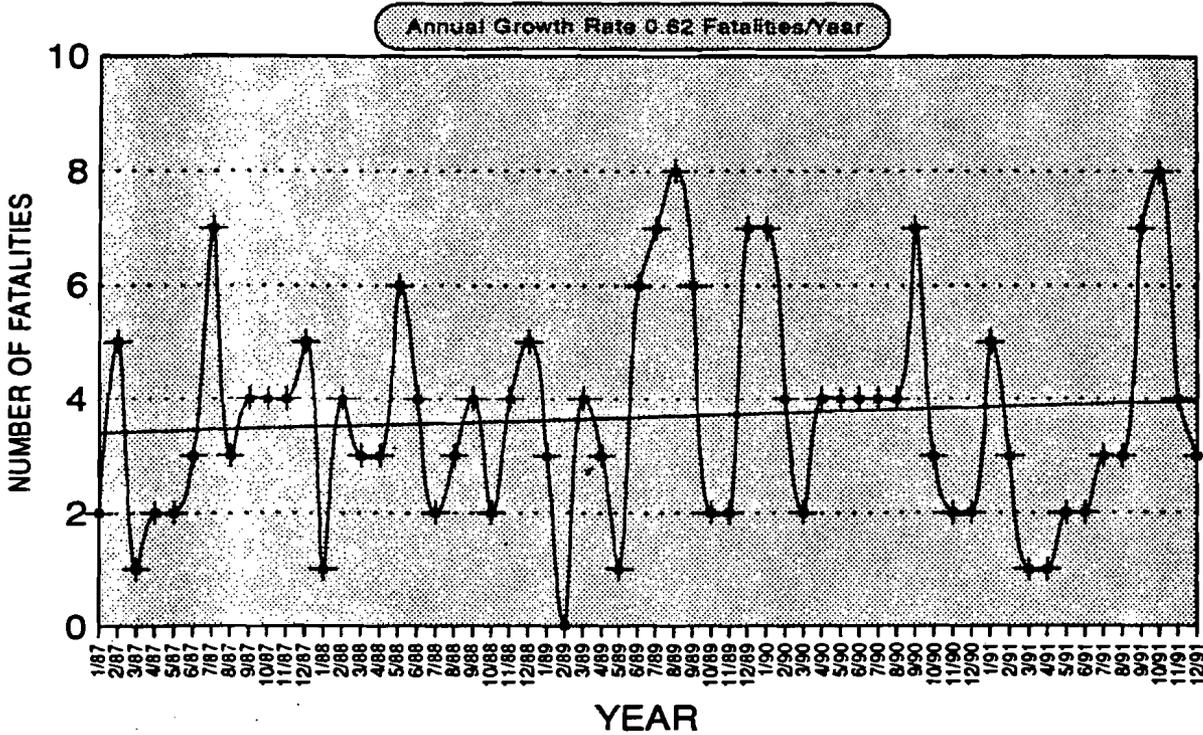
HEAVY TRUCK FATALITIES BY MONTH 1987 - 1991



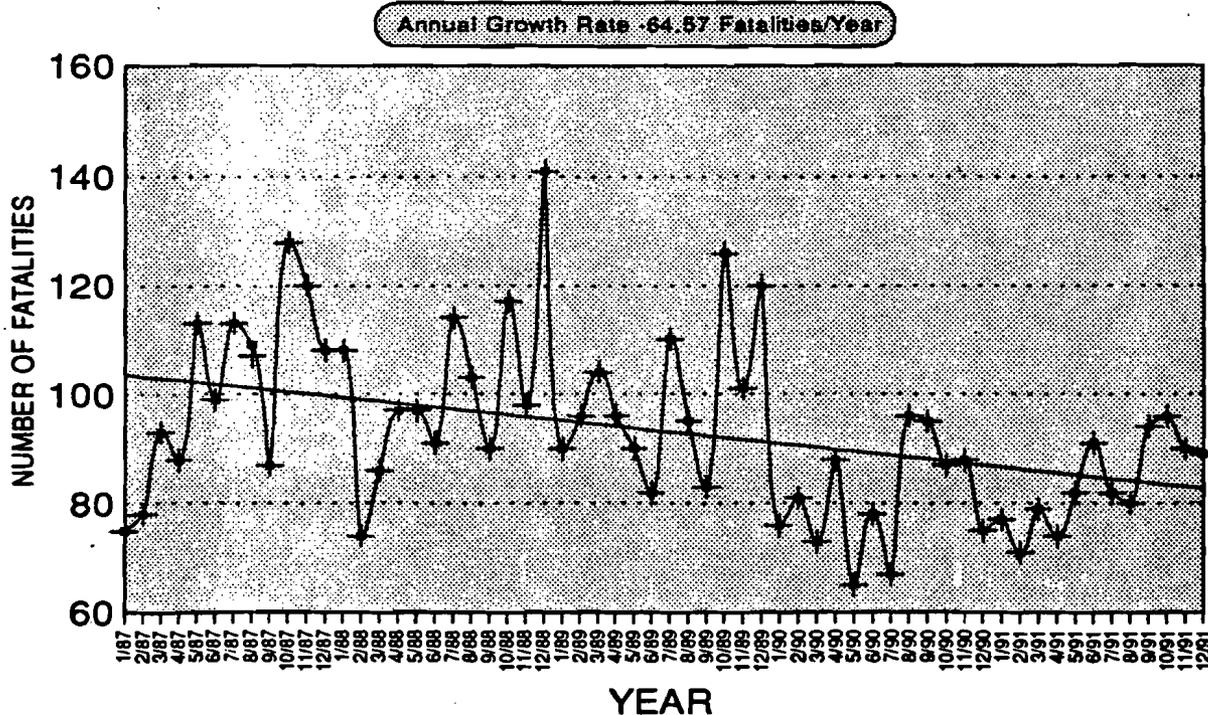
LIGHT TRUCK FATALITIES BY MONTH 1987 - 1991



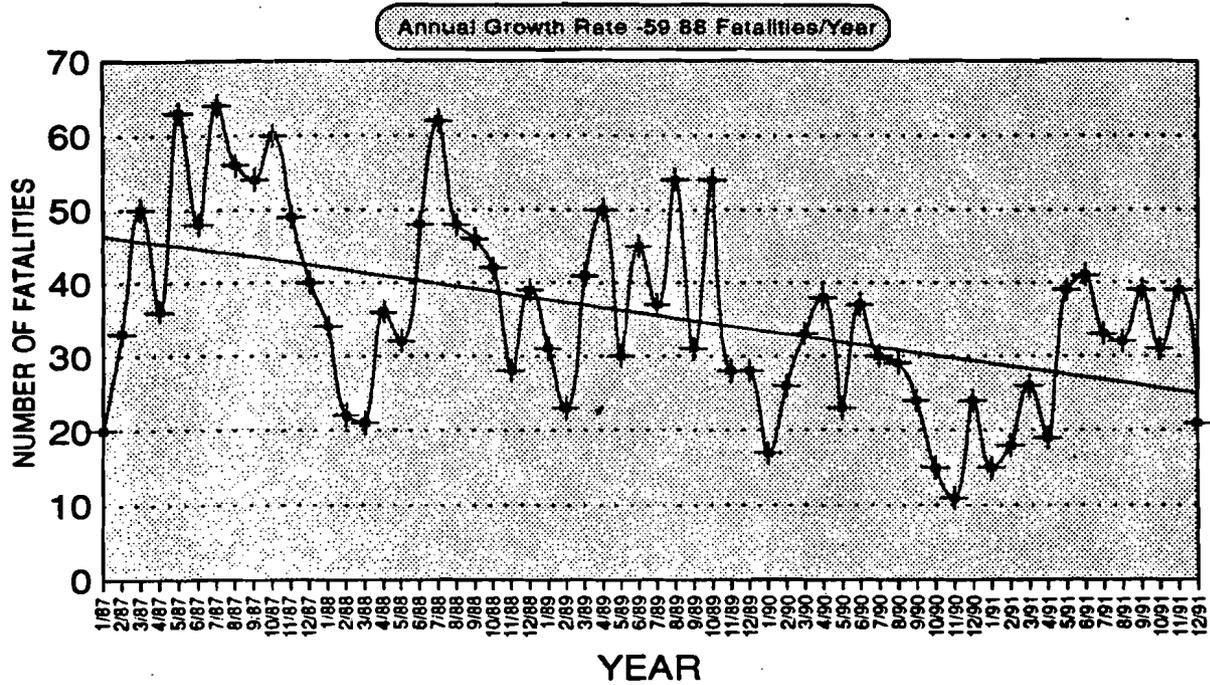
VAN-TYPE VEHICLE FATALITIES BY MONTH 1987 - 1991



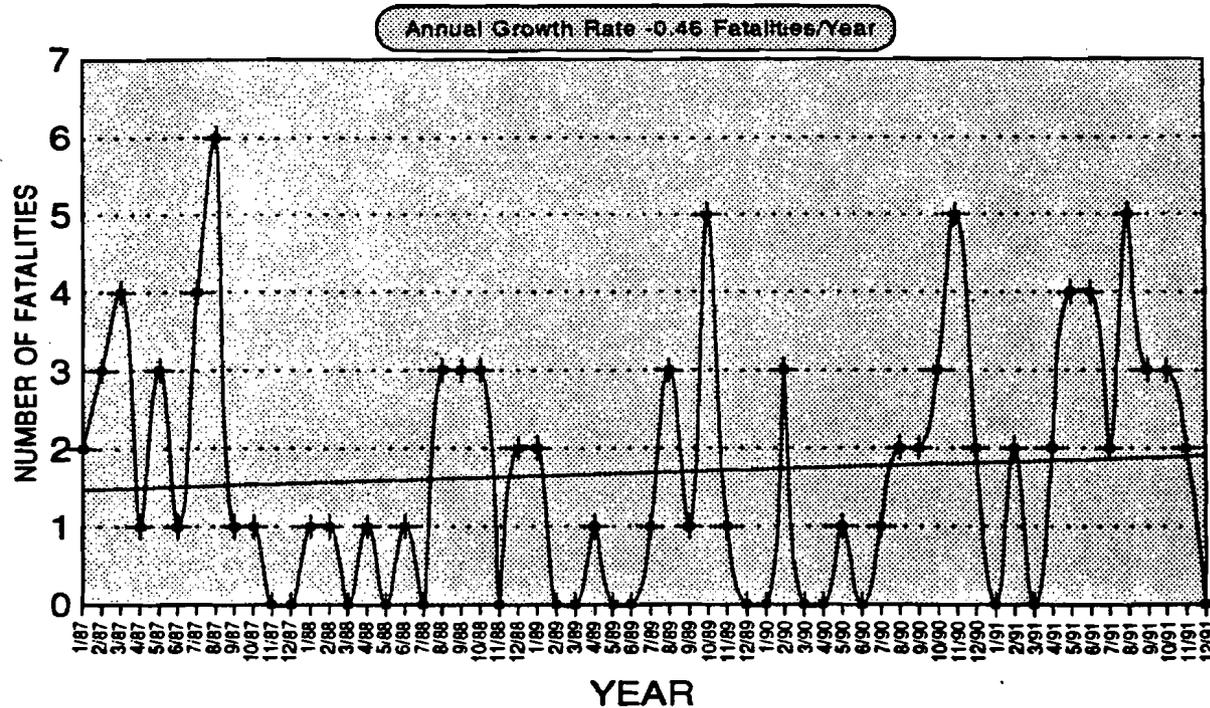
PASSENGER CAR FATALITIES BY MONTH 1987 - 1991



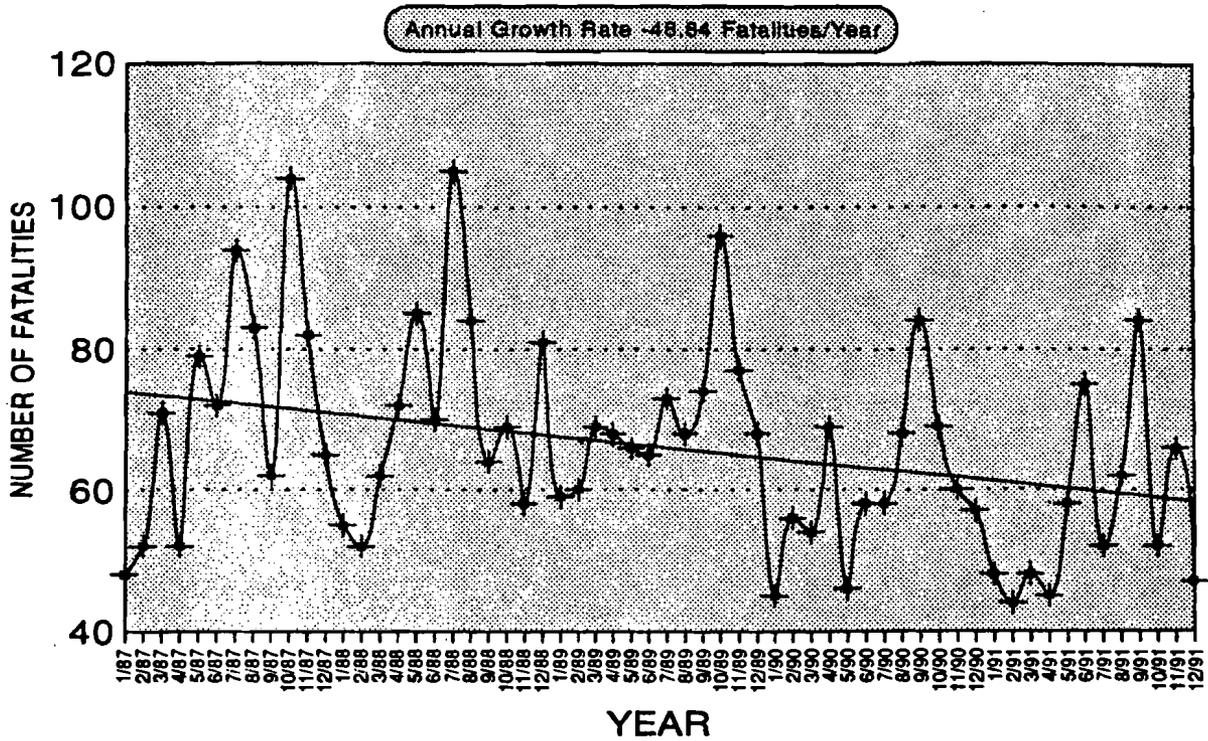
SPEEDING FATALITIES BY MONTH 1987 - 1991



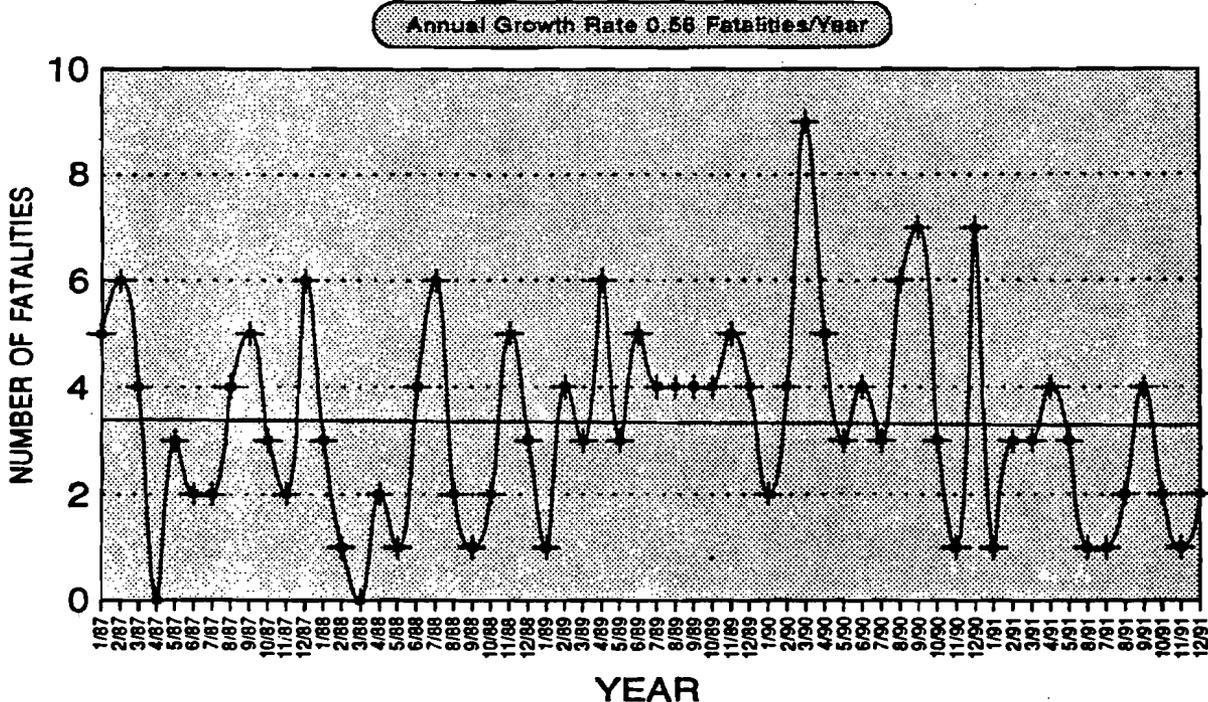
TAILGATING FATALITIES BY MONTH 1987 - 1991

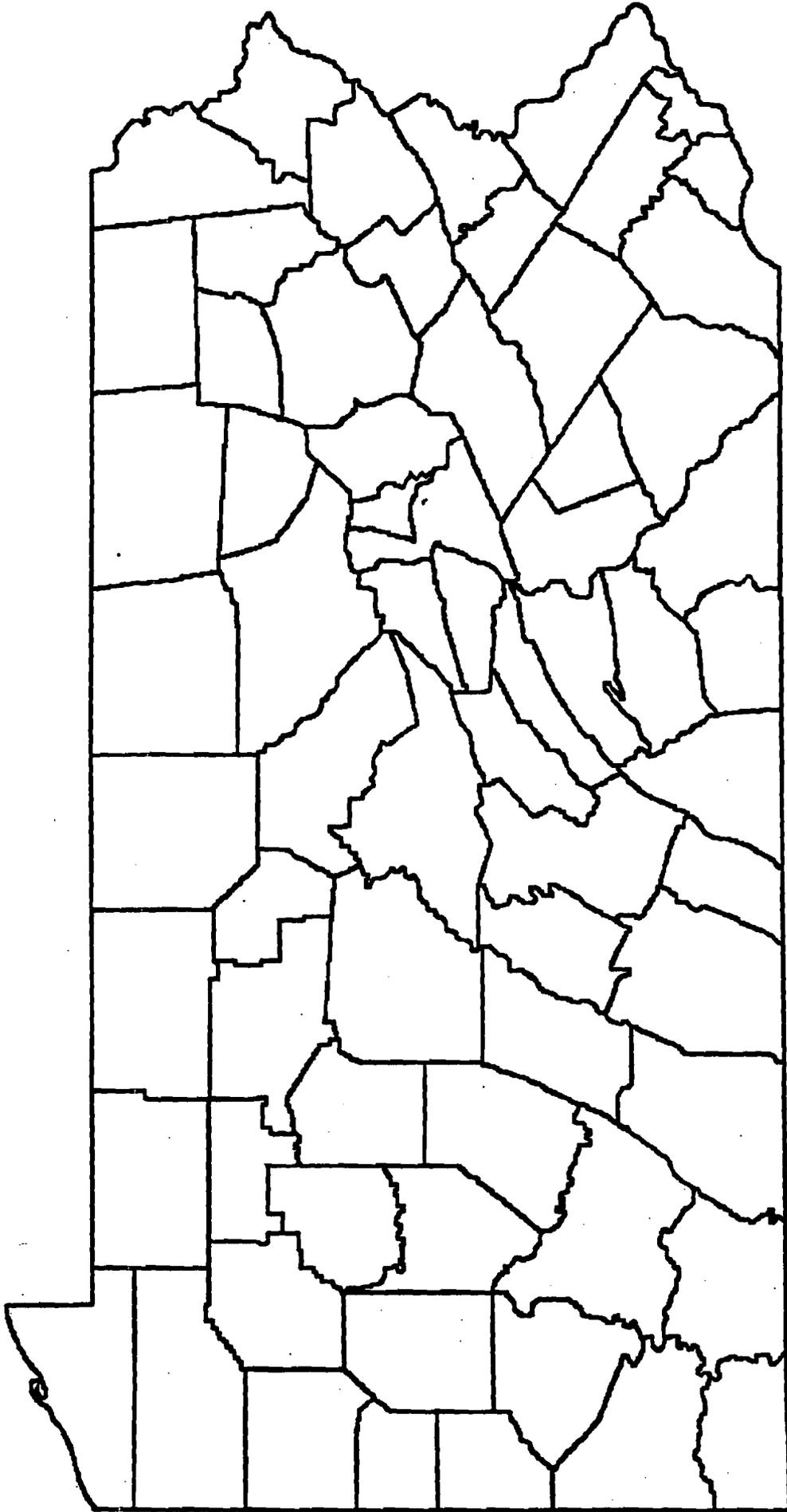


ALCOHOL RELATED FATALITIES BY MONTH 1987 - 1991



HIT & RUN FATALITIES BY MONTH 1987 - 1991





III. GEOGRAPHIC INFORMATION

1991 PENNSYLVANIA ACCIDENTS BY COUNTY

COUNTY	FATAL ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS	TOTAL ACCIDENTS
ADAMS	18	521	347	886
ALLEGHENY	83	7,877	4,628	12,588
ARMSTRONG	15	415	218	648
BEAVER	22	955	631	1,608
BEDFORD	21	352	208	581
BERKS	47	2,694	1,698	4,439
BLAIR	24	970	525	1,519
BRADFORD	10	419	248	677
BUCKS	64	4,442	2,245	6,751
BUTLER	30	1,198	684	1,912
CAMBRIA	14	882	472	1,368
CAMERON	1	58	27	86
CARBON	9	440	305	754
CENTRE	19	697	476	1,192
CHESTER	54	2,792	2,017	4,863
CLARION	8	368	176	552
CLEARFIELD	9	628	387	1,024
CLINTON	12	266	156	434
COLUMBIA	9	428	247	684
CRAWFORD	21	662	394	1,077
CUMBERLAND	26	1,249	837	2,112
DAUPHIN	22	1,828	1,136	2,986
DELAWARE	42	3,509	1,645	5,196
ELK	6	239	120	365
ERIE	37	2,249	932	3,218
FAYETTE	32	1,043	530	1,605
FOREST	2	52	27	81
FRANKLIN	31	940	580	1,551
FULTON	6	136	83	225
GREENE	8	285	152	445
HUNTINGDON	24	286	165	475
INDIANA	16	615	302	933
JEFFERSON	8	367	168	543
JUNIATA	6	127	71	204
LACKAWANNA	28	1,639	717	2,384
LANCASTER	48	3,005	1,791	4,844
LAWRENCE	7	686	277	970
LEBANON	16	912	481	1,409
LEHIGH	38	2,521	1,430	3,989
LUZERNE	36	2,481	1,209	3,726
LYCOMING	16	880	494	1,390
McKEAN	15	245	167	427
MERCER	12	938	521	1,471
MIFLIN	11	330	181	522
MONROE	38	1,171	733	1,942
MONTGOMERY	53	5,452	2,914	8,419
MONTGOMERY	0	134	90	224
NORTHAMPTON	23	1,641	968	2,632
NORTHUMBERLAND	15	497	275	787
PERRY	9	317	166	492
PIKE	7	274	196	477
POTTER	9	136	77	222
SCHUYLKILL	33	964	598	1,595
SNYDER	8	252	129	389
SOMERSET	14	501	293	808
SULLIVAN	2	74	43	119
SUSQUEHANNA	10	288	147	445
TIOGA	11	284	137	432
UNION	10	240	133	383
VENANGO	15	558	232	805
WARREN	9	293	204	506
WASHINGTON	33	1,282	751	2,066
WAYNE	8	349	192	549
WESTMORELAND	48	2,666	1,515	4,229
WYOMING	5	242	159	406
YORK	42	2,825	1,576	4,443
PHILADELPHIA	125	10,919	2,282	13,326
TOTAL	1,510	84,985	43,915	130,410

1987-1991 ACCIDENTS BY COUNTY

COUNTY	1987 ACCIDENTS	1988 ACCIDENTS	1989 ACCIDENTS	1990 ACCIDENTS	1991 ACCIDENTS	ANNUAL GROWTH IN ACCIDENTS	PERCENT CHANGE 90-91
ADAMS	1,019	1,087	1,046	974	886	-37.08	-9.0
ALLEGHENY	13,841	13,807	14,000	13,114	12,588	-314.97	-4.0
ARMSTRONG	754	747	772	732	648	-21.63	-11.5
BEAVER	1,860	1,836	1,883	1,775	1,608	-54.58	-9.4
BEDFORD	733	789	780	714	581	-35.21	-18.6
BERKS	5,030	5,197	5,297	5,079	4,439	-122.09	-12.6
BLAIR	1,752	1,676	1,800	1,703	1,519	-41.90	-10.8
BRADFORD	739	821	786	681	677	-26.46	-0.6
BUCKS	8,905	8,465	8,208	7,398	6,751	-530.63	-8.7
BUTLER	2,063	2,152	2,096	1,818	1,912	-62.75	5.2
CAMBRIA	1,678	1,589	1,614	1,478	1,368	-72.03	-7.4
CAMERON	91	85	90	80	86	-1.49	7.5
CARBON	940	881	906	785	754	-46.24	-3.9
CENTRE	1,271	1,380	1,390	1,222	1,192	-31.41	-2.5
CHESTER	5,607	6,034	5,896	5,611	4,863	-182.48	-13.3
CLARION	539	568	520	483	552	-5.44	14.3
CLEARFIELD	1,082	1,186	1,264	1,035	1,024	-26.25	-1.1
CLINTON	440	485	508	425	434	-7.25	2.1
COLUMBIA	830	835	821	788	684	-32.51	-13.2
CRAWFORD	1,044	1,086	1,154	1,054	1,077	3.26	2.2
CUMBERLAND	2,695	2,652	2,580	2,375	2,112	-140.65	-11.1
DAUPHIN	3,640	3,613	3,651	3,389	2,986	-147.21	-11.9
DELAWARE	6,835	6,335	6,509	5,870	5,196	-365.77	-11.5
ELK	412	432	413	354	365	-17.01	3.1
ERIE	3,599	3,826	3,546	3,314	3,218	-127.45	-2.9
FAYETTE	1,684	1,721	1,740	1,741	1,605	-12.99	-7.8
FOREST	98	78	95	83	81	-3.13	-2.4
FRANKLIN	1,627	1,716	1,780	1,793	1,551	-5.27	-13.5
FULTON	261	331	326	261	225	-14.16	-13.8
GREENE	447	495	514	476	445	-2.43	-6.5
HUNTINGDON	572	573	547	552	475	-20.64	-13.9
INDIANA	1,090	1,143	1,097	960	933	-49.04	-2.8
JEFFERSON	571	572	565	558	543	-6.96	-2.7
JUNIATA	232	248	237	231	204	-7.07	-11.7
LACKAWANNA	2,795	2,713	2,854	2,535	2,384	-97.48	-6.0
LANCASTER	5,785	5,869	5,654	5,405	4,844	-228.54	-10.4
LAWRENCE	1,146	1,073	1,041	972	970	-45.67	-0.2
LEBANON	1,452	1,579	1,483	1,489	1,409	-17.98	-5.4
LEHIGH	4,668	4,827	4,821	4,277	3,989	-185.90	-6.7
LUZERNE	4,157	4,096	4,177	3,947	3,726	-99.22	-5.6
LYCOMING	1,570	1,668	1,516	1,456	1,390	-57.30	-4.5
McKEAN	482	529	506	446	427	-19.17	-4.3
MERCER	1,536	1,685	1,527	1,442	1,471	-38.15	2.0
MIFFLIN	574	613	579	527	522	-18.99	-0.9
MONROE	2,083	2,139	2,237	2,008	1,942	-40.36	-3.3
MONTGOMERY	10,917	10,879	10,463	9,608	8,419	-608.52	-12.4
MONTGOMERY	254	260	224	227	224	-9.42	-1.3
NORTHAMPTON	3,102	3,002	3,130	2,957	2,632	-94.61	-11.0
NORTHUMBERLAND	1,021	1,053	960	829	787	-68.36	-5.1
PERRY	573	562	641	576	492	-13.33	-14.6
PIKE	571	567	627	574	477	-16.23	-16.9
POTTER	185	216	212	204	222	5.94	8.8
SCHUYLKILL	1,901	1,942	1,895	1,728	1,595	-80.79	-7.7
SNYDER	531	484	461	452	389	-31.35	-13.9
SOMERSET	908	935	965	817	808	-31.02	-1.1
SULLIVAN	103	122	95	104	119	1.35	14.4
SUSQUEHANNA	463	476	467	447	445	-6.49	-0.4
TOGA	498	501	517	466	432	-16.18	-7.3
UNION	436	465	452	453	383	-10.97	-15.5
VENANGO	823	819	810	763	805	-9.04	5.5
WARREN	555	543	564	453	506	-18.08	11.7
WASHINGTON	2,462	2,458	2,576	2,353	2,066	-84.99	-12.2
WAYNE	529	586	586	565	549	1.51	-2.8
WESTMORELAND	4,730	4,695	4,833	4,471	4,229	-119.91	-5.4
WYOMING	463	456	466	423	406	-14.45	-4.0
YORK	5,037	5,096	5,219	4,850	4,443	-138.53	-8.4
PHILADELPHIA	16,403	15,844	15,084	15,129	13,326	-673.26	-11.9
TOTAL	152,694	153,193	152,073	141,859	130,410	-5,457.5	-8.07

1987-1991 FATALITIES BY COUNTY

COUNTY	1987 FATALITIES	1988 FATALITIES	1989 FATALITIES	1990 FATALITIES	1991 FATALITIES	ANNUAL GROWTH IN FATALITIES	PERCENT CHANGE 90-91
ADAMS	29	31	22	14	19	-3.60	35.7
ALLEGHENY	90	124	105	96	91	-3.32	-5.2
ARMSTRONG	13	20	11	19	16	0.34	-15.8
BEAVER	19	17	23	21	23	1.16	9.5
BELFORD	21	25	9	22	24	0.28	9.1
BERKS	60	52	72	52	53	-1.37	1.9
BLAIR	18	24	25	23	25	1.16	8.7
BRADFORD	26	16	13	14	11	-3.65	-21.4
BUCKS	111	89	71	61	68	-12.01	11.5
BUTLER	46	33	36	34	32	-2.99	-5.9
CAMBRIA	25	36	20	15	15	-4.33	0.0
CAMERON	0	4	1	0	1	-1.09	.
CARBON	18	15	17	12	10	-1.82	-16.7
CENTRE	17	24	21	18	21	0.06	16.7
CHESTER	77	69	55	54	60	-5.06	11.1
CLARION	7	6	14	11	11	1.05	0.0
CLEARFIELD	29	15	21	19	11	-3.46	-42.1
CLINTON	10	6	10	20	12	1.94	-40.0
COLUMBIA	12	13	14	18	9	0.37	-50.0
CRAWFORD	22	17	22	16	22	-0.06	37.5
CUMBERLAND	44	29	27	29	29	-3.50	0.0
DAUPHIN	55	49	42	30	24	-7.98	-20.0
DELAWARE	65	45	48	43	44	-4.92	2.3
ELK	13	5	5	5	7	-1.62	40.0
ERIE	47	42	42	38	44	-0.99	15.8
FAYETTE	46	33	31	23	36	-3.00	56.5
FOREST	3	5	1	2	2	-0.58	0.0
FRANKLIN	22	30	36	30	36	2.57	20.0
FULTON	4	12	6	9	7	-0.35	-22.2
GREENE	14	13	19	14	8	-0.68	-42.9
HUNTINGDON	13	14	9	12	28	3.74	133.3
INDIANA	30	27	23	17	18	-3.42	5.9
JEFFERSON	10	8	1	12	10	0.40	-16.7
JUNIATA	5	7	6	4	7	0.15	75.0
LACKAWANNA	27	35	23	30	30	-0.04	0.0
LANCASTER	71	62	63	56	51	-4.62	-8.9
LAWRENCE	13	17	16	13	7	-1.26	-46.2
LEBANON	20	26	22	12	17	-1.89	41.7
LEHIGH	48	45	48	31	41	-2.55	32.3
LUZERNE	55	52	50	45	40	-3.64	-11.1
LYCOMING	28	25	26	26	22	0.19	-15.4
McKEAN	11	10	15	22	17	-2.37	-22.7
MERCER	29	24	24	27	16	-1.97	-40.7
MIFFLIN	16	14	12	8	14	-0.84	75.0
MONROE	37	28	34	21	40	0.43	90.5
MONTGOMERY	93	67	74	57	59	-8.30	3.5
MONTGOMERY	4	4	10	3	0	1.12	.
NORTHAMPTON	37	30	39	18	23	-3.58	27.8
NORTHUMBERLAND	19	26	27	14	19	-1.13	35.7
PERRY	16	18	17	21	9	-0.32	-57.1
PIKE	12	12	9	8	8	-1.22	0.0
POTTER	3	3	4	2	11	2.25	450.0
SCHUYLKILL	38	31	39	34	37	0.02	8.8
SNYDER	13	12	16	12	10	-0.52	-16.7
SOMERSET	22	26	25	16	16	-2.08	0.0
SULLIVAN	3	3	2	4	2	0.00	-50.0
SUSQUEHANNA	15	13	13	10	14	-0.44	40.0
TIOGA	16	13	9	13	12	-0.88	-7.7
UNION	12	14	11	8	10	-0.98	25.0
VENANGO	10	22	10	10	18	0.00	80.0
WARREN	16	9	26	7	10	-0.89	42.9
WASHINGTON	40	40	30	34	37	-1.22	8.8
WAYNE	7	19	9	12	8	-1.36	-33.3
WESTMORELAND	74	58	70	50	49	-5.81	-2.0
WYOMING	15	12	7	14	5	-1.31	-64.3
YORK	44	56	53	46	46	-0.79	0.0
PHILADELPHIA	121	151	167	169	134	4.31	-20.7
TOTAL	2,006	1,932	1,878	1,646	1,661	-97.09	-4.9

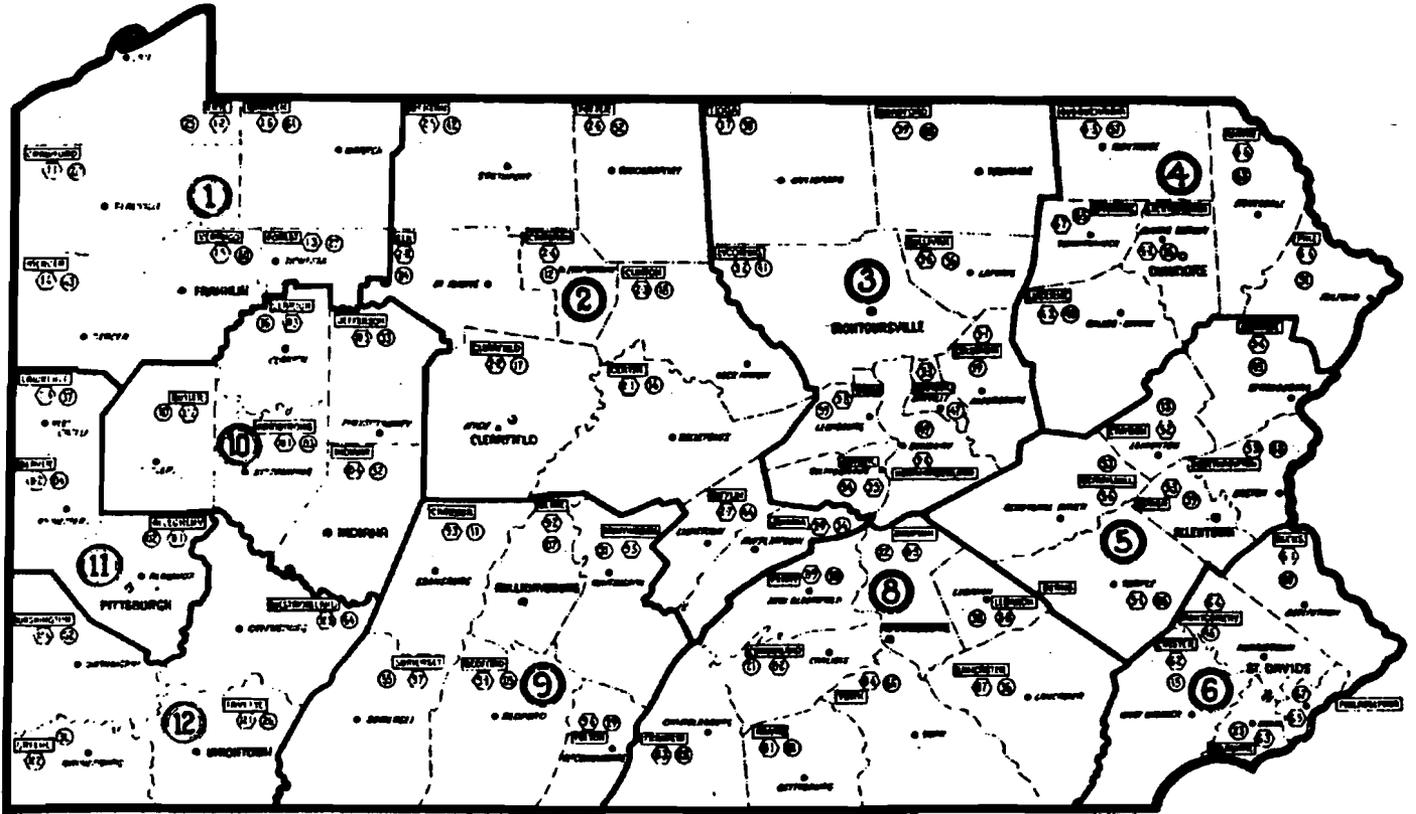
1991 FATALITIES AND INJURIES AND RATES/10,000 POPULATION

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	78,274	19	2.40	828	105.80	17	2.90
ALLEGHENY	1,336,449	91	0.70	11,948	89.40	66	1.20
ARMSTRONG	73,478	16	2.20	668	90.90	16	3.30
BEAVER	186,093	23	1.20	1,453	78.10	20	1.90
BEDFORD	47,919	24	5.00	598	124.80	21	5.00
BERKS	336,523	53	1.60	4,125	122.60	42	2.10
BLAIR	130,542	25	1.90	1,532	117.40	21	2.80
BRADFORD	60,967	11	1.80	684	112.20	11	2.70
BUCKS	541,174	68	1.30	7,140	131.90	60	1.80
BUTLER	152,013	32	2.10	1,871	123.10	22	2.00
CAMBRIA	163,029	15	0.90	1,405	86.20	13	1.50
CAMERON	5,913	1	1.70	90	152.20	1	2.30
CARBON	56,846	10	1.80	692	121.70	9	2.60
CENTRE	123,786	21	1.70	1,117	90.20	18	2.00
CHESTER	376,396	60	1.60	4,326	114.90	52	2.00
CLARION	41,699	11	2.60	623	149.40	11	2.50
CLEARFIELD	78,097	11	1.40	1,020	130.60	10	1.30
CLINTON	37,182	12	3.20	394	106.00	9	2.60
COLUMBIA	63,202	9	1.40	665	105.20	8	1.60
CRAWFORD	86,169	22	2.60	1,003	116.40	18	2.80
CUMBERLAND	195,257	29	1.50	1,981	101.50	24	1.60
DAUPHIN	237,813	24	1.00	2,794	117.50	19	1.10
DELAWARE	547,651	44	0.80	5,468	99.80	42	1.70
ELK	34,878	7	2.00	345	98.90	6	2.80
ERIE	275,572	44	1.60	3,541	128.50	36	2.60
FAYETTE	145,351	36	2.50	1,677	115.40	30	3.40
FOREST	4,802	2	4.20	77	160.30	1	1.30
FRANKLIN	121,082	36	3.00	1,450	119.80	28	3.10
FULTON	13,837	7	5.10	240	173.40	4	2.00
GREENE	39,550	8	2.00	457	115.50	7	2.20
HUNTINGDON	44,164	28	6.30	504	114.10	25	7.30
INDIANA	89,994	18	2.00	958	106.50	15	2.30
JEFFERSON	46,083	10	2.20	570	123.70	9	2.20
JUNIATA	20,625	7	3.40	201	97.50	5	2.50
LACKAWANNA	219,039	30	1.40	2,465	112.50	26	2.10
LANCASTER	422,822	51	1.20	4,503	106.50	45	1.90
LAWRENCE	96,246	7	0.70	1,062	110.30	6	1.20
LEBANON	113,744	17	1.50	1,505	132.30	14	2.10
LEHIGH	291,130	41	1.40	3,783	129.90	25	1.60
LUZERNE	328,149	40	1.20	3,731	113.70	34	1.80
LYCOMING	118,710	17	1.40	1,313	110.60	15	1.80
McKEAN	47,131	17	3.60	376	79.80	16	5.60
MERCER	121,003	16	1.30	1,449	119.70	12	1.30
MIFFLIN	46,197	14	3.00	521	112.80	13	4.50
MONROE	95,709	40	4.20	1,889	197.40	39	4.10
MONTGOMERY	678,111	59	0.90	8,367	123.40	43	1.20
MONTOUR	17,735	0	0.00	189	106.60	0	0.00
NORTHAMPTON	247,105	23	0.90	2,454	99.30	16	1.30
NORTHUMBERLAND	96,771	19	2.00	740	76.50	17	3.00
PERRY	41,172	9	2.20	489	118.80	9	2.40
PIKE	27,966	8	2.90	442	158.00	6	1.70
POTTER	16,717	11	6.60	212	126.80	9	6.40
SCHUYLKILL	152,585	37	2.40	1,501	98.40	32	3.10
SNYDER	36,680	10	2.70	391	106.60	9	3.10
SOMERSET	78,218	16	2.00	824	105.30	13	2.50
SULLIVAN	6,104	2	3.30	101	165.50	2	3.20
SUSQUEHANNA	40,380	14	3.50	477	118.10	12	2.90
TIOGA	41,126	12	2.90	449	109.20	10	2.90
UNION	36,176	10	2.80	394	108.90	10	2.90
VENANGO	59,381	18	3.00	850	143.10	15	3.20
WARREN	45,050	10	2.20	418	92.80	10	3.00
WASHINGTON	204,584	37	1.80	1,987	97.10	34	2.00
WAYNE	39,944	8	2.00	560	140.20	6	2.00
WESTMORELAND	370,321	49	1.30	4,190	113.10	40	1.80
WYOMING	28,076	5	1.80	370	131.80	5	2.20
YORK	339,574	46	1.40	4,221	124.30	37	1.80
PENNSYLVANIA	1,585,577	134	0.80	17,446	110.00	87	2.10
TOTAL	11,881,643	1,461	1.40	132,114	111.20	1,363	2.00

Note: Fatality rate on this page includes only State Highways.

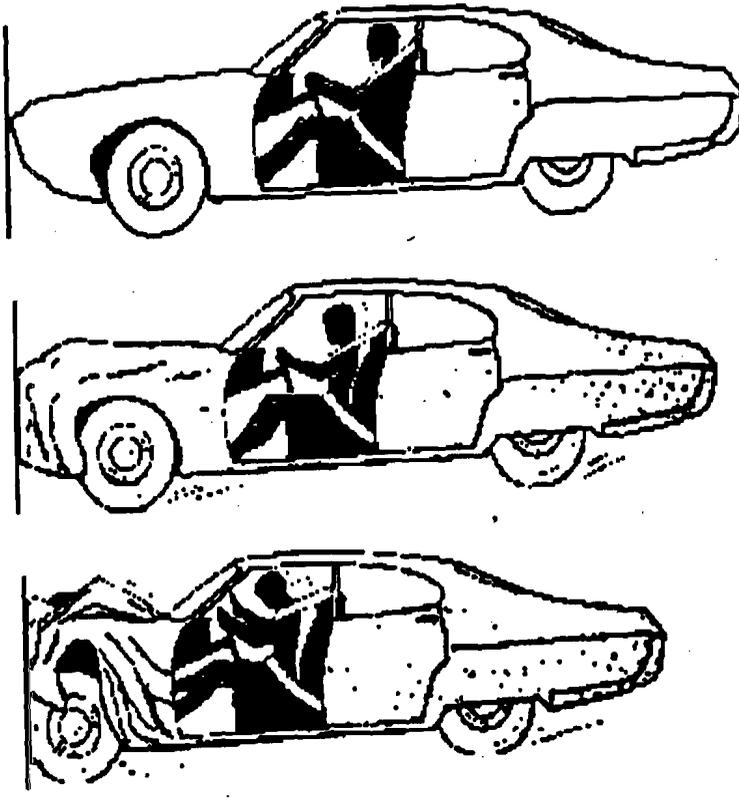
1991 FATALITIES BY VEHICLE TYPE

COUNTY	AUTO-MOBILE	MOTOR-CYCLE	LIGHT TRUCK	HEAVY TRUCK	OTHER	TOTAL
ADAMS	10	1	5	2	1	19
ALLEGHENY	64	10	13	1	3	91
ARMSTRONG	12	1	3	.	.	16
BEAVER	16	1	5	.	1	23
BEDFORD	17	.	5	2	.	24
BERKS	41	3	9	.	.	53
BLAIR	21	.	4	.	.	25
BRADFORD	5	.	6	.	.	11
BUCKS	48	11	4	3	2	68
BUTLER	24	4	3	.	1	32
CAMBRIA	12	2	1	.	.	15
CAMERON	1	.	.	.	.	1
CARBON	9	.	1	.	.	10
CENTRE	14	5	2	.	.	21
CHESTER	47	2	9	1	1	60
CLARION	8	.	3	.	.	11
CLEARFIELD	8	.	2	.	1	11
CLINTON	3	.	6	2	1	12
COLUMBIA	8	.	1	.	.	9
CRAWFORD	17	2	2	.	1	22
CUMBERLAND	19	3	3	1	3	29
DAUPHIN	18	.	4	.	2	24
DELAWARE	32	2	9	.	1	44
ELK	5	.	1	.	1	7
ERIE	26	7	8	1	2	44
FAYETTE	22	3	7	2	2	36
FOREST	1	.	.	.	1	2
FRANKLIN	25	2	7	1	1	36
FULTON	4	1	.	2	.	7
GREENE	3	2	2	1	.	8
HUNTINGDON	21	2	4	1	.	28
INDIANA	11	.	5	.	2	18
JEFFERSON	7	1	1	1	.	10
JUNIATA	3	.	1	.	3	7
LACKAWANNA	20	1	6	2	1	30
LANCASTER	38	3	8	1	1	51
LAWRENCE	4	1	1	.	1	7
LEBANON	11	1	5	.	.	17
LEHIGH	31	2	6	2	.	41
LUZERNE	28	1	11	.	.	40
LYCOMING	9	2	5	.	1	17
McKEAN	14	.	2	.	1	17
MERCER	15	.	.	.	1	16
MIFFLIN	11	1	1	1	.	14
MONROE	27	3	7	1	2	40
MONTGOMERY	50	2	6	1	.	59
MONTOUR	.	.	.	.	.	.
NORTHAMPTON	15	.	7	1	.	23
NORTHUMBERLAND	18	.	.	.	1	19
PERRY	6	1	2	.	.	9
Pike	5	1	2	.	.	8
PUTNER	4	2	4	.	1	11
SCHUYLKILL	21	4	6	3	3	37
SNYDER	4	1	4	1	.	10
SOMERSET	9	2	5	.	.	16
SULLIVAN	.	.	2	.	.	2
SUSQUEHANNA	10	.	3	.	1	14
TIOGA	9	.	2	1	.	12
UNION	7	.	3	.	.	10
VENANGO	7	1	9	1	.	18
WARREN	6	.	4	.	.	10
WASHINGTON	21	1	8	4	3	37
WAYNE	4	.	2	1	1	8
WESTMORELAND	34	2	9	1	3	49
WYOMING	4	.	1	.	.	5
YORK	35	2	8	1	.	46
PHILADELPHIA	103	10	13	4	4	134
TOTAL	1,162	109	288	47	55	1,661



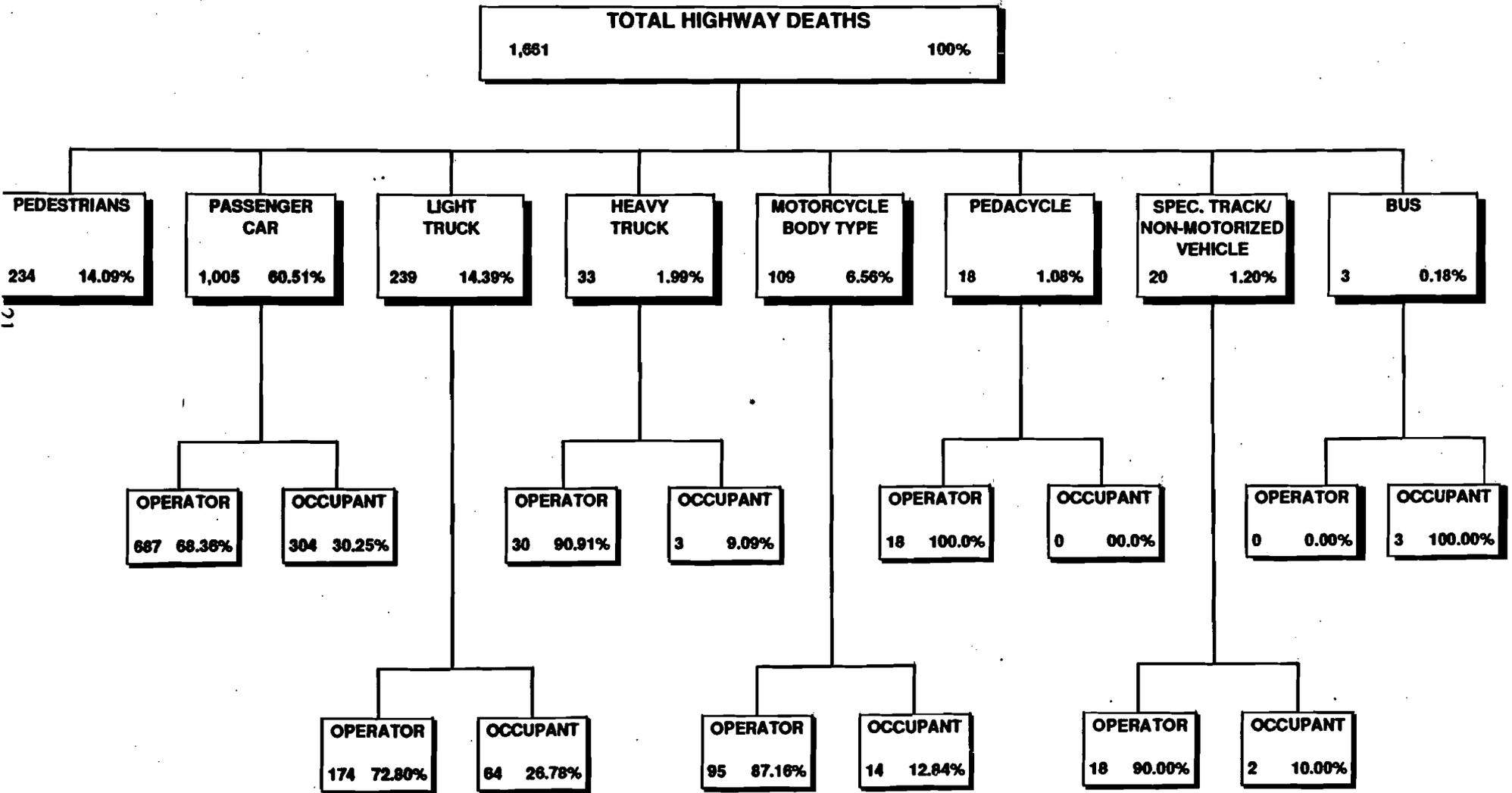
1991 ACCIDENTS BY ENGINEERING DISTRICT

DISTRICT	ACCIDENTS	KILLED	INJURED
01	7,157	112	7,225
02	4,476	101	4,175
03	5,085	90	4,835
04	7,987	105	7,940
05	15,351	204	14,239
06	38,552	365	42,379
08	18,723	231	17,540
09	4,976	115	4,988
10	4,588	87	4,603
11	15,166	121	14,342
12	8,343	130	8,180
TOTAL	130,404	1,661	13,446



IV. FATALITY AND INJURY CHARACTERISTICS

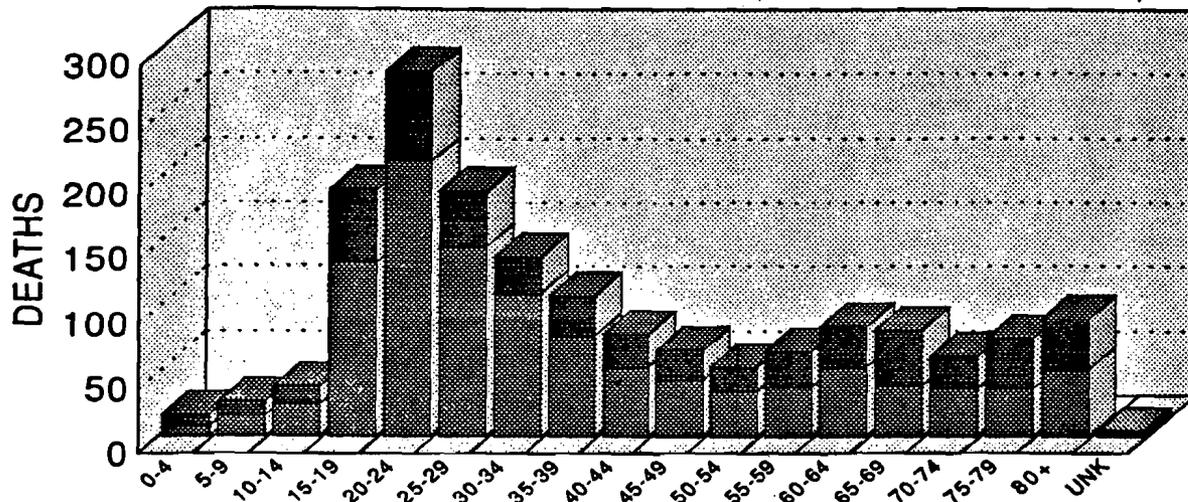
1991 HIGHWAY DEATHS: DISTRIBUTION BY VEHICLE TYPE



10

1991 HIGHWAY DEATHS

BY AGE AND SEX

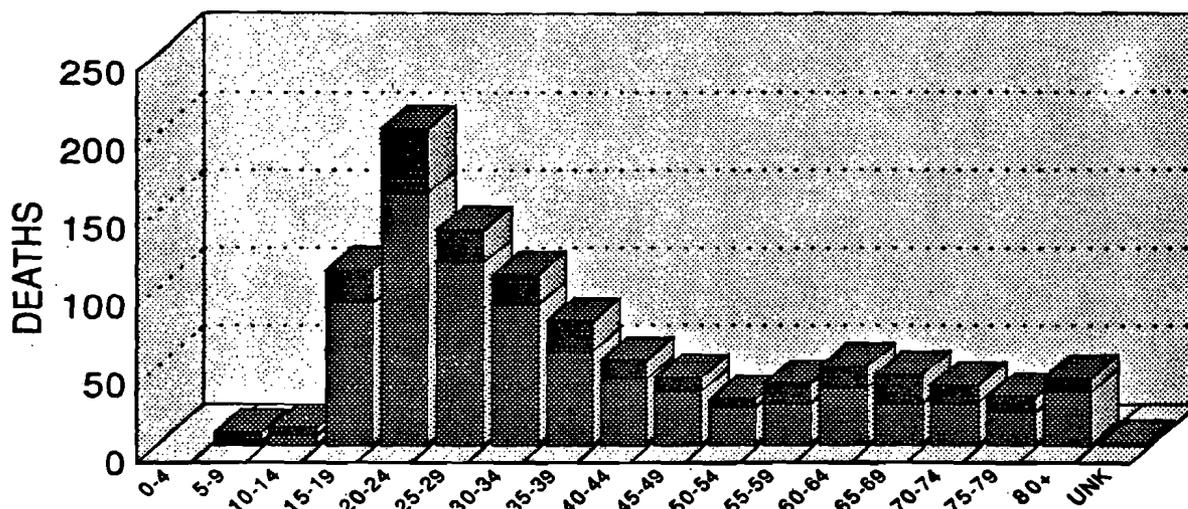


FEMALE	9	11	14	57	70	43	28	31	25	23	19	28	31	43	25	39	39	0
MALE	8	16	25	134	213	147	111	78	54	44	35	38	54	39	37	37	52	4

AGE GROUPS

1991 VEHICLE DRIVER DEATHS

BY AGE AND SEX

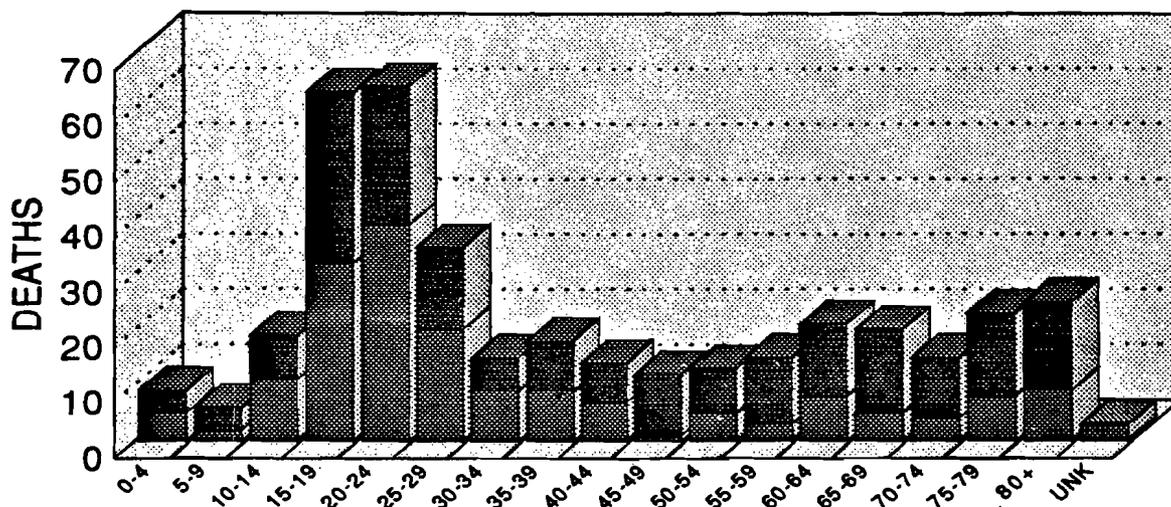


FEMALE	0	6	5	21	41	21	19	19	12	9	5	13	14	19	11	10	9	0
MALE	0	2	6	91	162	117	90	60	42	34	24	26	36	26	27	21	34	1

AGE GROUPS

1991 VEHICLE OCCUPANT DEATHS

BY AGE AND SEX

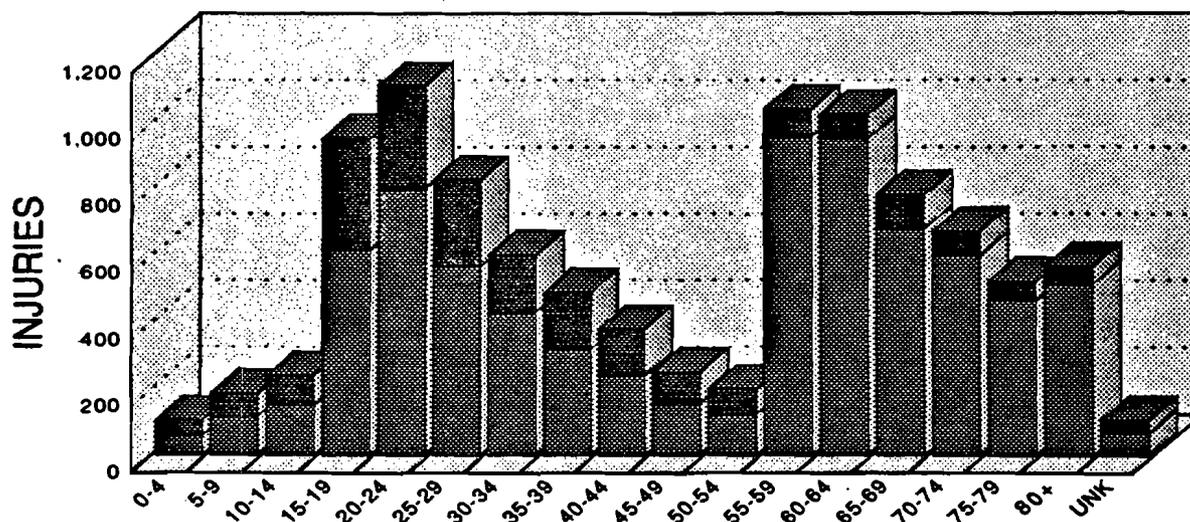


FEMALE	4	4	8	31	25	15	6	9	7	11	8	12	13	15	11	15	16	0
MALE	5	2	11	32	39	20	9	9	7	1	5	3	8	5	4	8	9	3

AGE GROUPS

1991 MAJOR INJURIES

BY AGE AND SEX

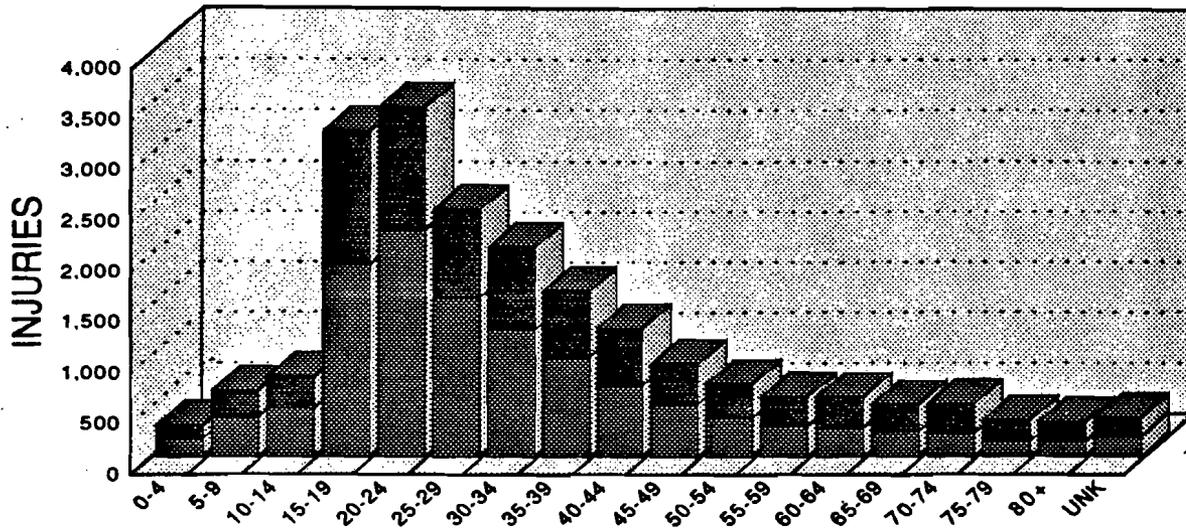


FEMALE	46	69	69	334	308	259	171	171	139	92	76	82	73	103	73	55	54	40
MALE	58	117	151	616	801	567	430	319	239	158	124	957	950	679	599	468	514	68

AGE GROUPS

1991 MODERATE INJURIES

BY AGE AND SEX

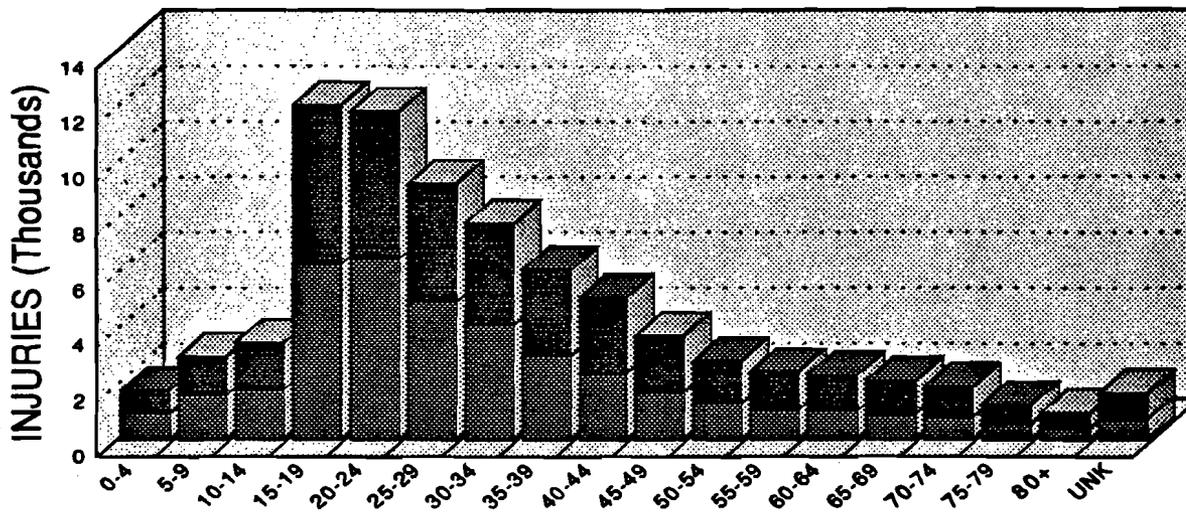


FEMALE	125	254	310	1,330	1,215	888	823	653	570	405	328	285	294	263	286	206	181	180
MALE	179	389	471	1,888	2,239	1,561	1,247	980	695	510	382	299	284	241	228	147	157	164

AGE GROUPS

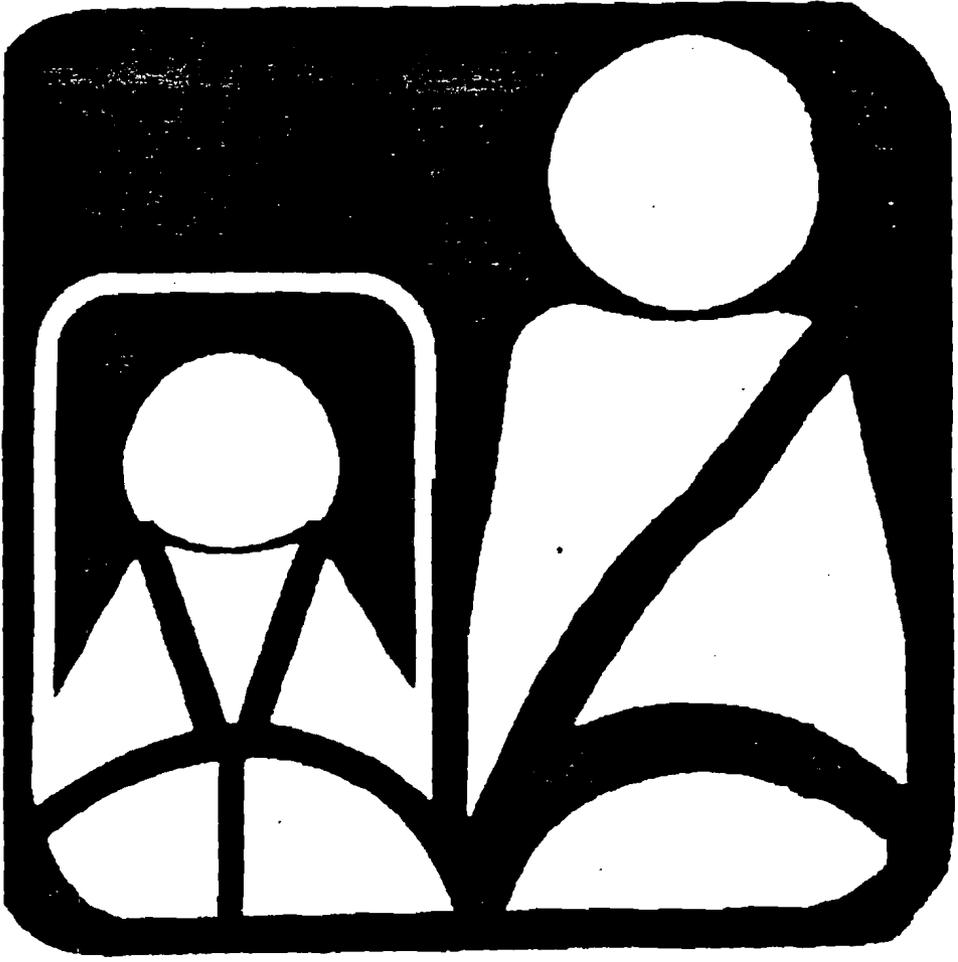
1991 MINOR INJURIES

BY AGE AND SEX



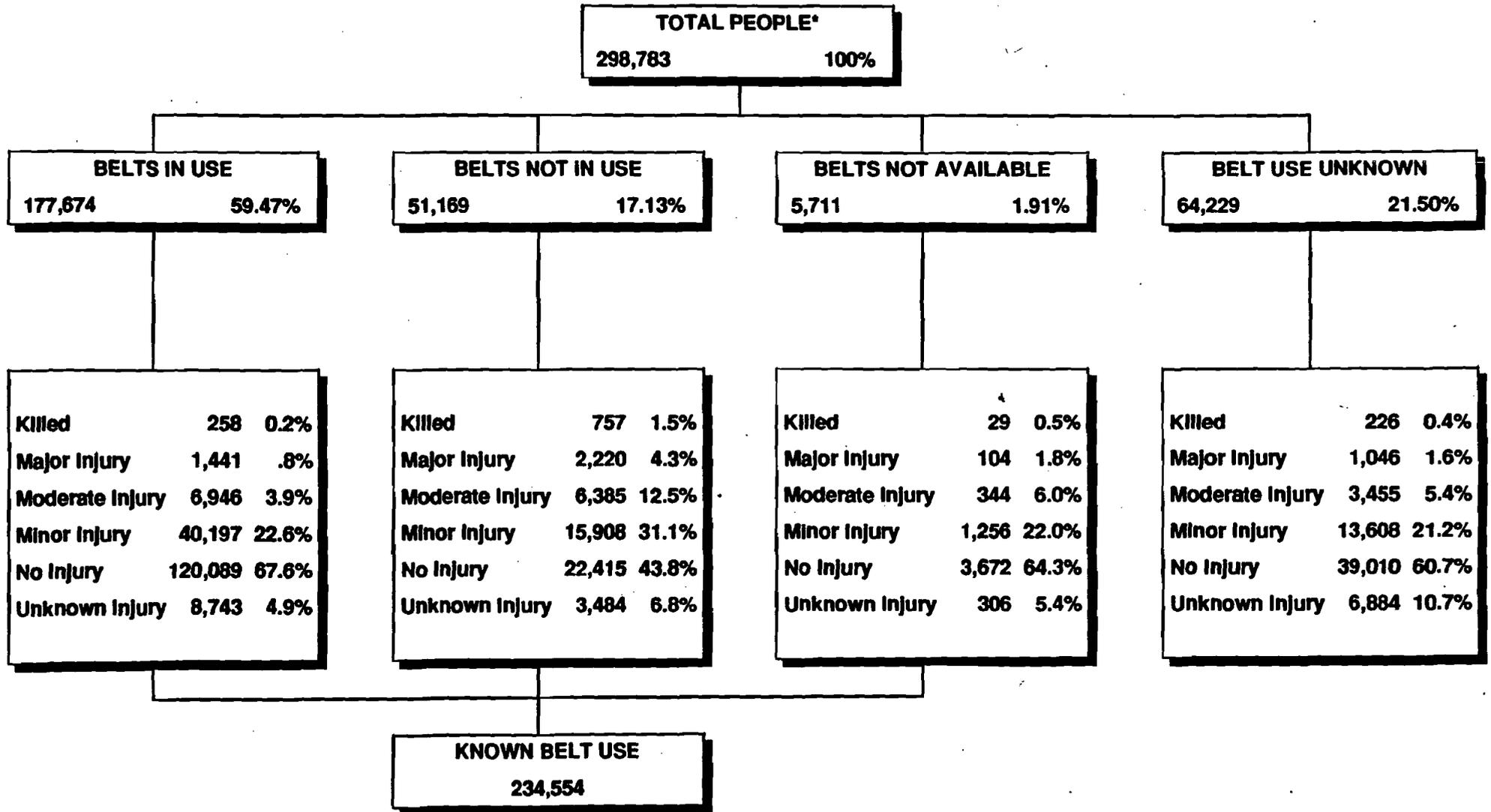
UNKNOWN	0	0.003	0.001	0.006	0.001	0.002	0.001	0	0	0.001	0	0	0	0	0	0	0.001	0.029
FEMALE	0.83	1.386	1.701	5.759	5.346	4.267	3.67	3.097	2.744	2.011	1.531	1.352	1.298	1.217	1.095	0.713	0.553	0.91
MALE	0.96	1.621	1.797	6.323	6.5	4.967	4.12	3.011	2.389	1.744	1.298	1.083	1.034	0.921	0.825	0.567	0.443	0.747

AGE GROUPS



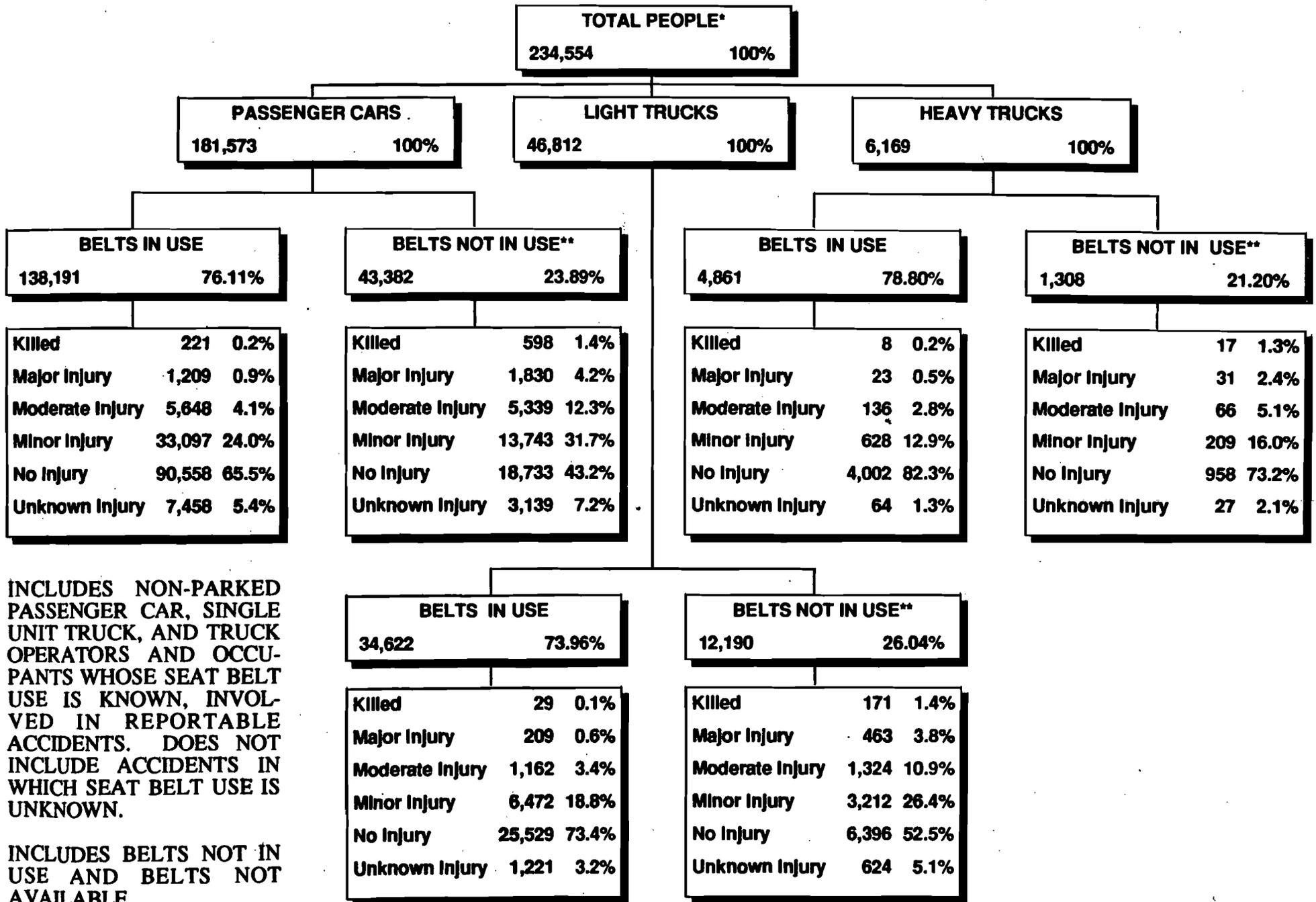
V. SEAT BELT STATISTICS

1991 TOTAL PEOPLE* INVOLVED IN ACCIDENTS: DISTRIBUTION BY BELT USAGE



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

1991 TOTAL PEOPLE* INVOLVED IN ACCIDENTS: 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
1991 FATALITIES & INJURIES
(PASSENGER CAR OCCUPANTS ONLY)**

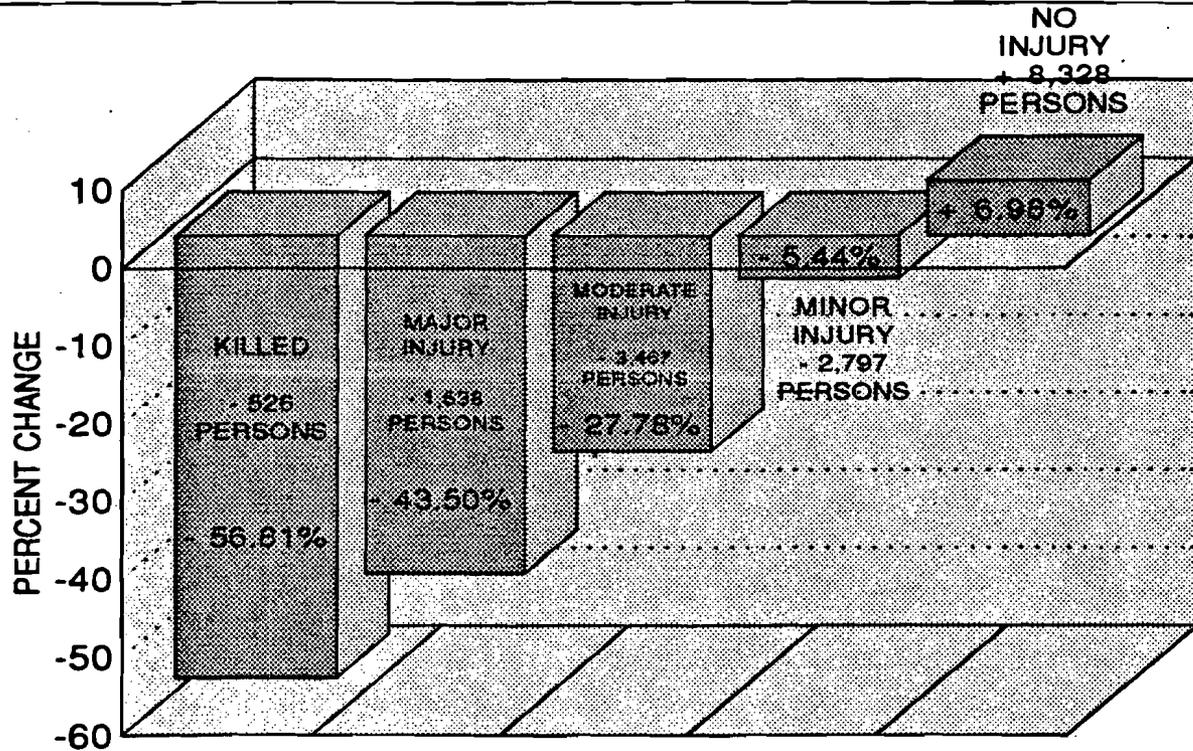
	KILLED	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	NO INJURY	TOTAL PERSONS
NO BELTS	11	59	213	800	2,195	3,278
BELTS USED	221	1,174	5,454	31,918	85,126	123,893
BELTS NOT USED	569	1,713	5,015	12,531	16,085	35,913
USE UNKNOWN	125	590	1,799	6,240	15,986	24,740
TOTAL	926	3,536	12,481	51,489	119,392	187,824
EXPECTED 100% USE	400	1,998	9,014	48,692	127,720	0
NET GAIN/LOSS	-526	-1,538	-3,467	-2,797	+8,328	0

THE ESTIMATED ECONOMIC SAVINGS OF 100% BELT USE IN 1991 WOULD HAVE BEEN \$1,180,281,236.00 OR APPROXIMATELY \$99.34 FOR EVERY MAN, WOMAN AND CHILD IN PENNSYLVANIA.

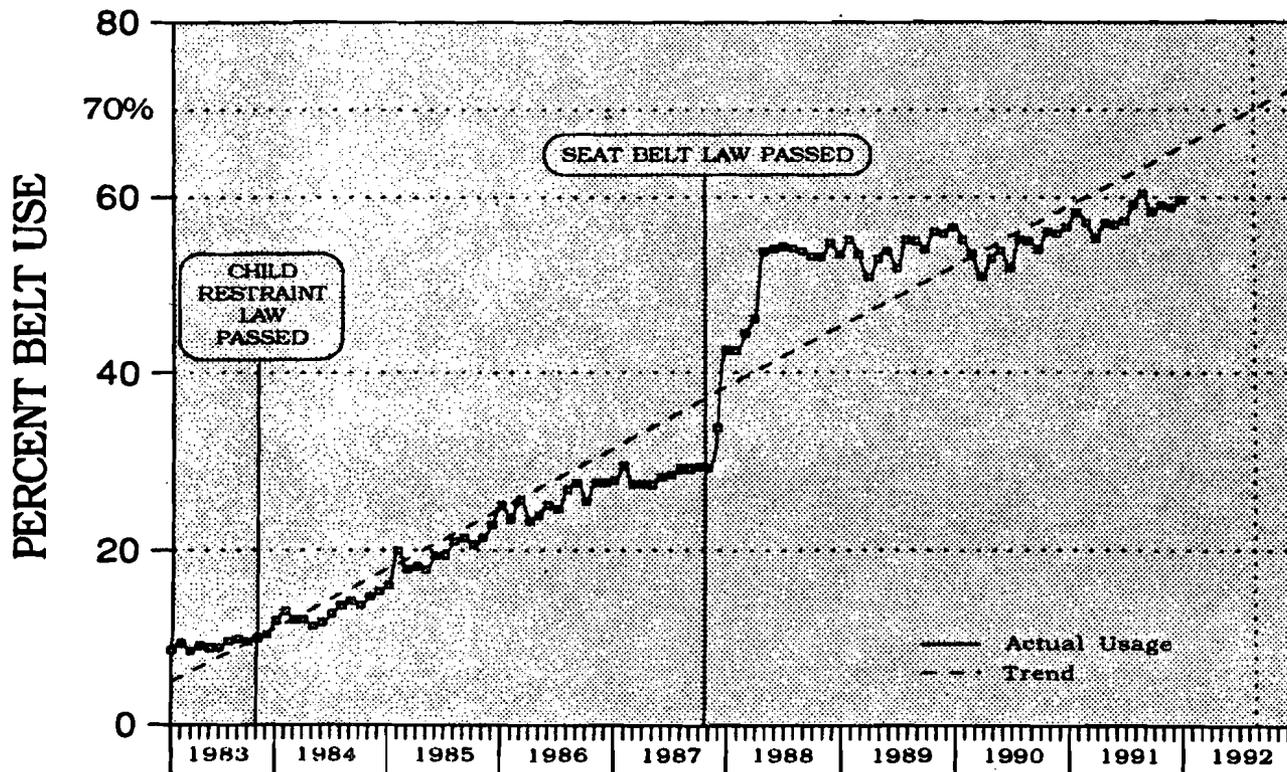
1987 - 1991 PERCENT SEAT BELT USE BY COUNTY

COUNTY	1987 BELT USE	1988 BELT USE	1989 BELT USE	1990 BELT USE	1991 BELT USE	ANNUAL GROWTH RATE	PERCENT CHANGE 90-91
ADAMS	29.7	56.8	58.2	55.2	59.5	4.34	7.8
ALLEGHENY	27.1	46.5	47.7	49.4	54.1	4.93	9.5
ARMSTRONG	25.0	55.4	53.0	55.2	63.1	5.84	14.3
BEAVER	20.6	41.2	44.8	42.6	47.3	4.28	11.0
BEDFORD	45.8	63.1	68.6	67.5	71.8	5.13	6.4
BERKS	25.9	48.4	49.4	50.7	56.0	5.17	10.5
BLAIR	32.0	58.1	62.9	64.0	68.9	6.65	7.7
BRADFORD	34.5	57.6	63.1	64.8	61.1	4.93	-5.7
BUCKS	28.8	47.1	51.4	53.4	57.5	5.64	7.7
BUTLER	30.2	56.3	61.6	61.2	65.1	6.08	6.4
CAMBRIA	19.4	46.6	53.2	53.3	55.2	5.73	3.6
CAMERON	32.1	42.6	49.7	59.7	50.9	5.23	-14.7
CARBON	27.5	52.2	59.1	57.1	59.5	5.41	4.2
CENTRE	37.8	59.9	66.8	66.9	69.8	6.17	4.3
CHESTER	39.2	57.8	61.8	62.2	66.1	5.22	6.3
CLARION	31.9	59.7	68.5	61.7	67.2	5.59	8.9
CLEARFIELD	28.9	58.5	63.4	59.0	60.9	4.54	3.2
CLINTON	31.6	54.3	60.8	58.8	65.3	6.13	11.1
COLUMBIA	28.5	52.7	58.6	60.1	63.6	6.46	5.8
CRAWFORD	28.2	57.1	56.4	62.6	63.8	6.13	1.9
CUMBERLAND	35.9	59.2	62.0	65.7	67.5	5.99	2.7
DAUPHIN	34.7	58.6	62.1	62.6	65.7	5.53	5.0
DELAWARE	24.7	37.8	39.6	41.1	45.9	4.17	11.7
ELK	25.1	49.8	53.1	56.1	59.9	6.27	6.8
ERIE	32.3	57.1	60.0	61.9	64.2	5.67	3.7
FAYETTE	25.5	54.5	57.2	54.4	58.7	4.79	7.9
FOREST	38.3	64.5	59.4	65.7	68.8	5.27	4.7
FRANKLIN	26.8	53.0	54.4	55.8	61.3	5.78	9.9
FULTON	37.6	62.3	65.4	63.8	62.1	3.92	-2.7
GREENE	25.3	60.6	66.2	71.0	68.6	7.06	-3.4
HUNTINGDON	28.0	53.8	56.3	60.2	62.2	6.09	3.3
INDIANA	33.7	62.6	67.9	68.6	71.9	6.71	4.8
JEFFERSON	31.0	58.4	62.7	64.6	63.7	5.68	-1.4
JUNIATA	25.7	57.4	54.8	64.3	64.4	6.53	0.2
LACKAWANNA	21.6	45.9	47.4	47.9	52.1	4.85	8.8
LANCASTER	36.0	60.8	66.3	67.4	70.5	6.40	4.6
LAWRENCE	20.9	49.1	57.6	54.1	54.8	4.94	1.3
LEBANON	28.8	57.2	58.6	60.5	65.6	6.16	8.4
LEHIGH	39.5	63.4	66.1	67.9	72.0	6.05	6.0
LUZERNE	25.5	53.0	53.3	54.8	58.5	5.17	6.8
LYCOMING	25.3	59.9	61.7	61.0	61.0	4.75	0.0
McKEAN	27.3	47.9	53.0	54.2	60.9	6.46	12.4
MERCER	27.5	51.0	57.3	59.2	59.9	6.00	1.2
MIFFLIN	22.5	49.2	55.8	56.9	59.8	6.41	5.1
MONROE	37.8	61.4	63.4	62.9	69.2	5.52	10.0
MONTGOMERY	37.3	56.6	60.6	61.7	66.9	5.80	8.4
MONTOUR	36.2	63.3	70.6	64.2	75.2	6.66	17.1
NORTHAMPTON	28.8	55.4	59.4	61.7	64.3	6.24	4.2
NORTHUMBERLAND	21.6	48.7	55.7	54.1	54.0	4.95	-0.2
PERRY	34.8	55.6	59.9	61.9	63.2	5.44	2.1
PIKE	48.8	64.1	62.2	68.2	61.8	2.72	-9.4
POTTER	29.1	60.9	64.9	54.5	68.6	5.54	25.9
SCHUYLKILL	27.1	56.2	58.8	59.6	63.7	5.97	6.9
SNYDER	32.0	62.1	67.8	63.0	70.6	6.16	12.1
SOMERSET	33.4	54.8	60.2	63.9	66.3	6.59	3.8
SULLIVAN	32.2	65.4	67.6	77.8	72.2	7.36	-7.2
SUSQUEHANNA	34.4	55.9	54.9	65.5	62.1	5.74	-5.2
TIOGA	30.2	56.6	62.0	65.1	62.8	5.92	-3.5
UNION	30.5	60.2	62.8	64.9	66.4	5.97	2.3
VENANGO	33.4	59.9	65.5	60.4	64.4	4.87	6.6
WARREN	32.8	62.9	68.4	63.2	68.3	5.37	8.1
WASHINGTON	28.0	57.0	59.2	59.4	62.1	5.36	4.5
WAYNE	28.5	53.3	57.4	62.8	68.0	7.66	8.3
WESTMORELAND	33.0	59.3	61.3	64.2	65.4	5.72	1.9
WYOMING	28.4	56.5	58.1	63.3	62.9	6.02	-0.6
YORK	35.6	60.5	64.2	63.6	67.2	5.51	5.7
PHILADELPHIA	14.7	22.6	21.2	21.4	23.8	1.44	11.2
TOTALS	29.2	50.9	53.7	54.4	58.1	-1.40	6.8

EFFECT OF 100% BELT USE IN 1991 IN PASSENGER CAR ACCIDENTS CHANGE IN INJURY CATEGORIES IF BELTS WERE USED IN ALL CARS

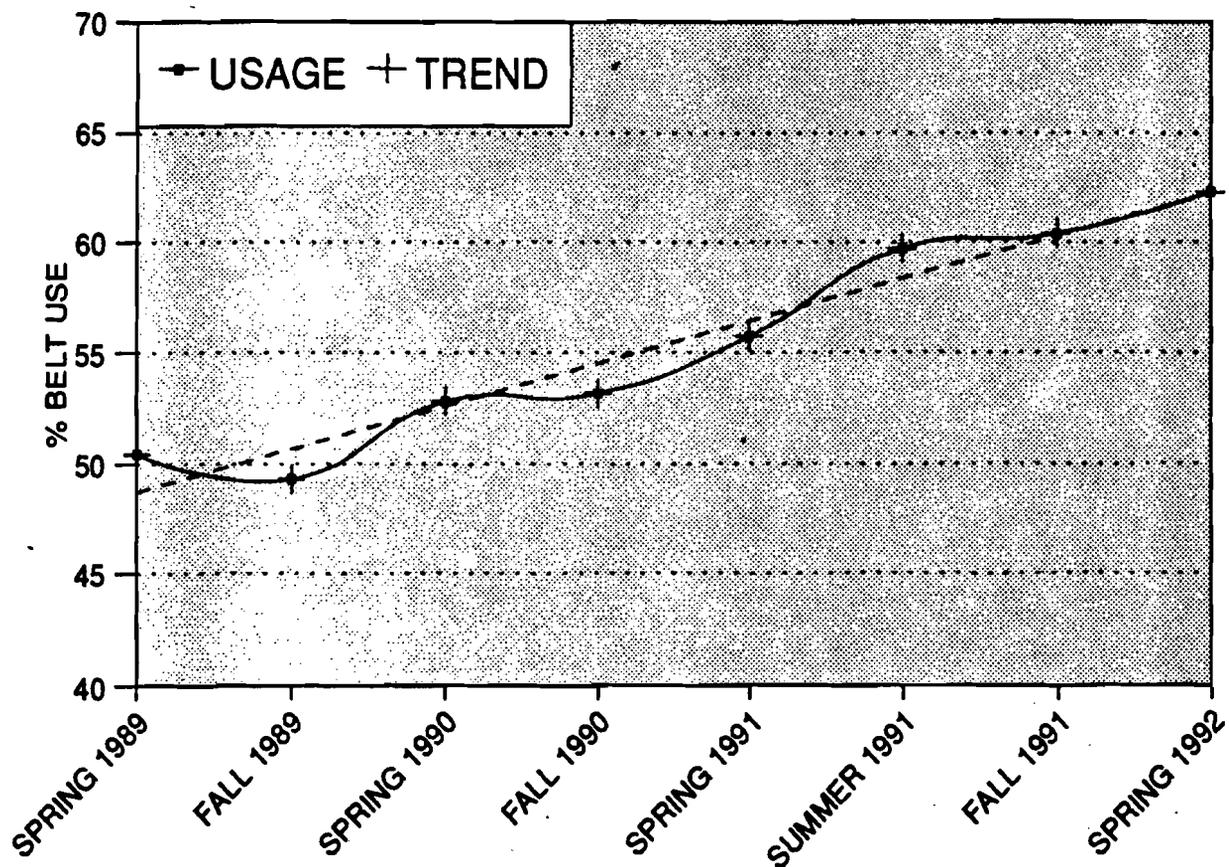


PENNSYLVANIA SEAT BELT USE 1983 - 1991



OBSERVATIONAL SURVEYS OF SEAT BELT USE

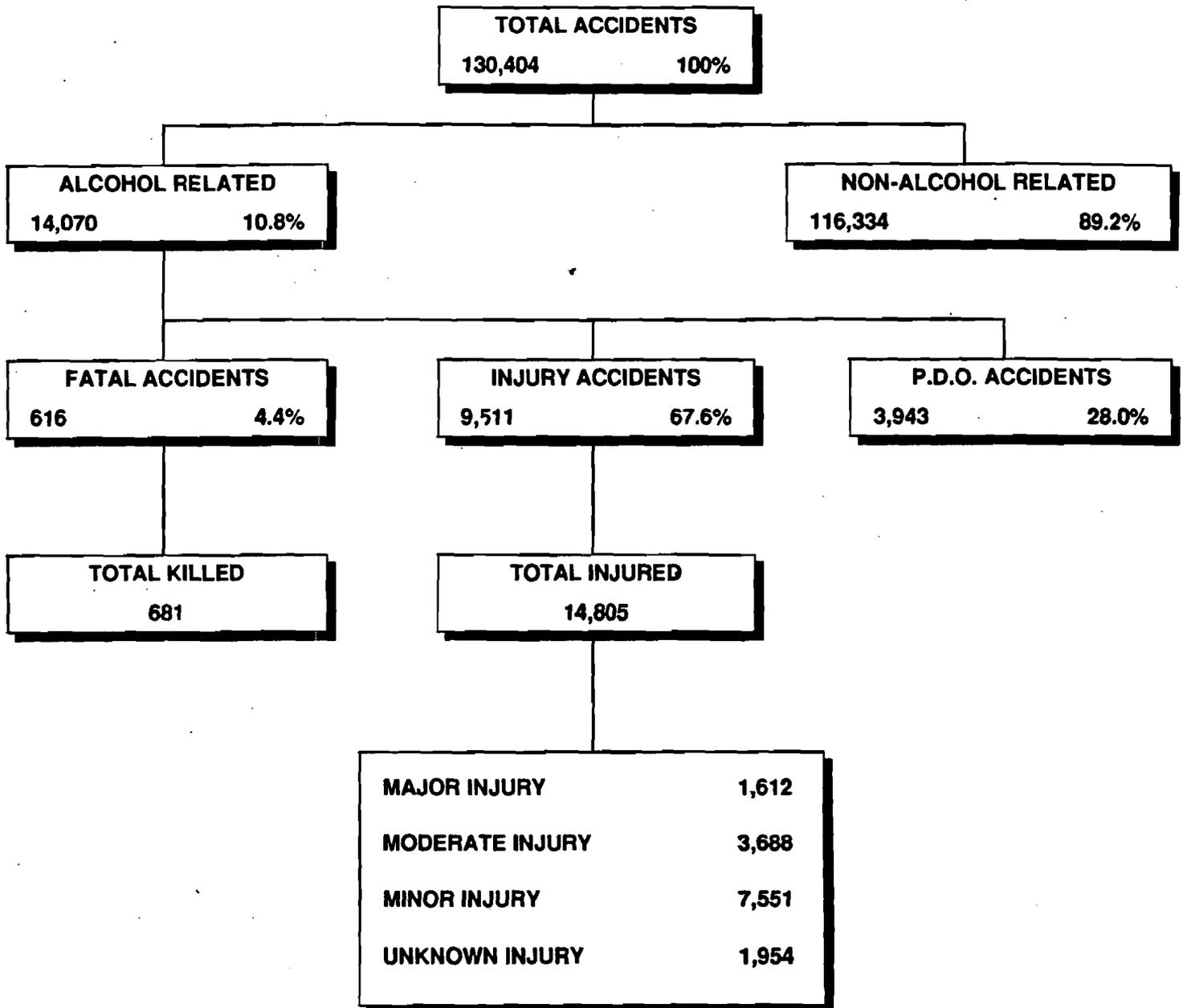
1990 - 1992





VI. ALCOHOL INVOLVEMENT IN ACCIDENTS

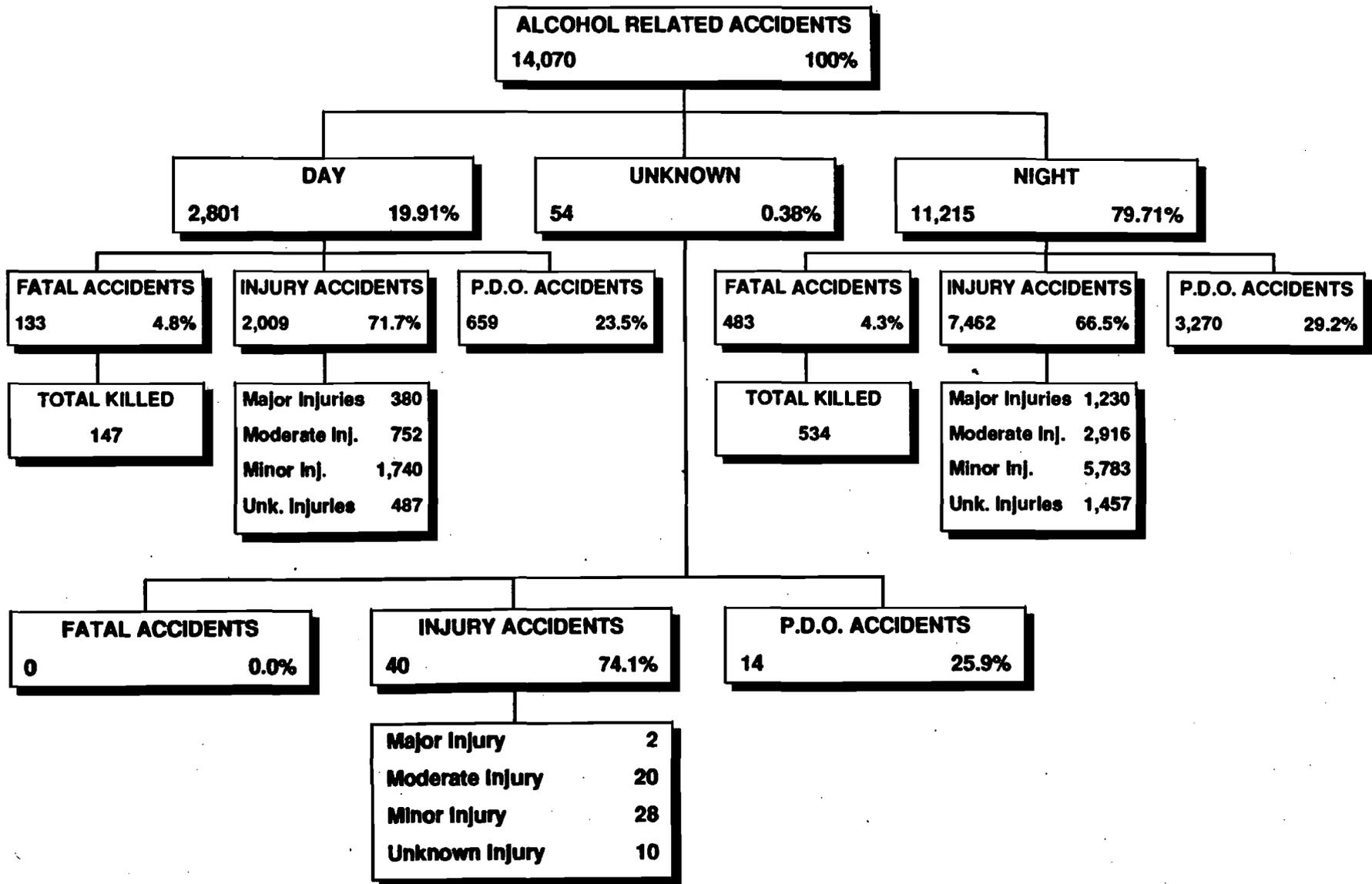
1991 ALCOHOL INVOLVEMENT IN ACCIDENTS: DISTRIBUTION BY ACCIDENT SEVERITY



ECONOMIC LOSS DUE TO ALCOHOL RELATED ACCIDENTS= \$1,434,364,162.00

THE ECONOMIC LOSS TO EVERY MAN, WOMAN, AND CHILD IN PENNSYLVANIA DUE TO ALCOHOL RELATED ACCIDENTS IN 1991 WAS \$120.72.

1991 ALCOHOL RELATED ACCIDENTS BY ILLUMINATION



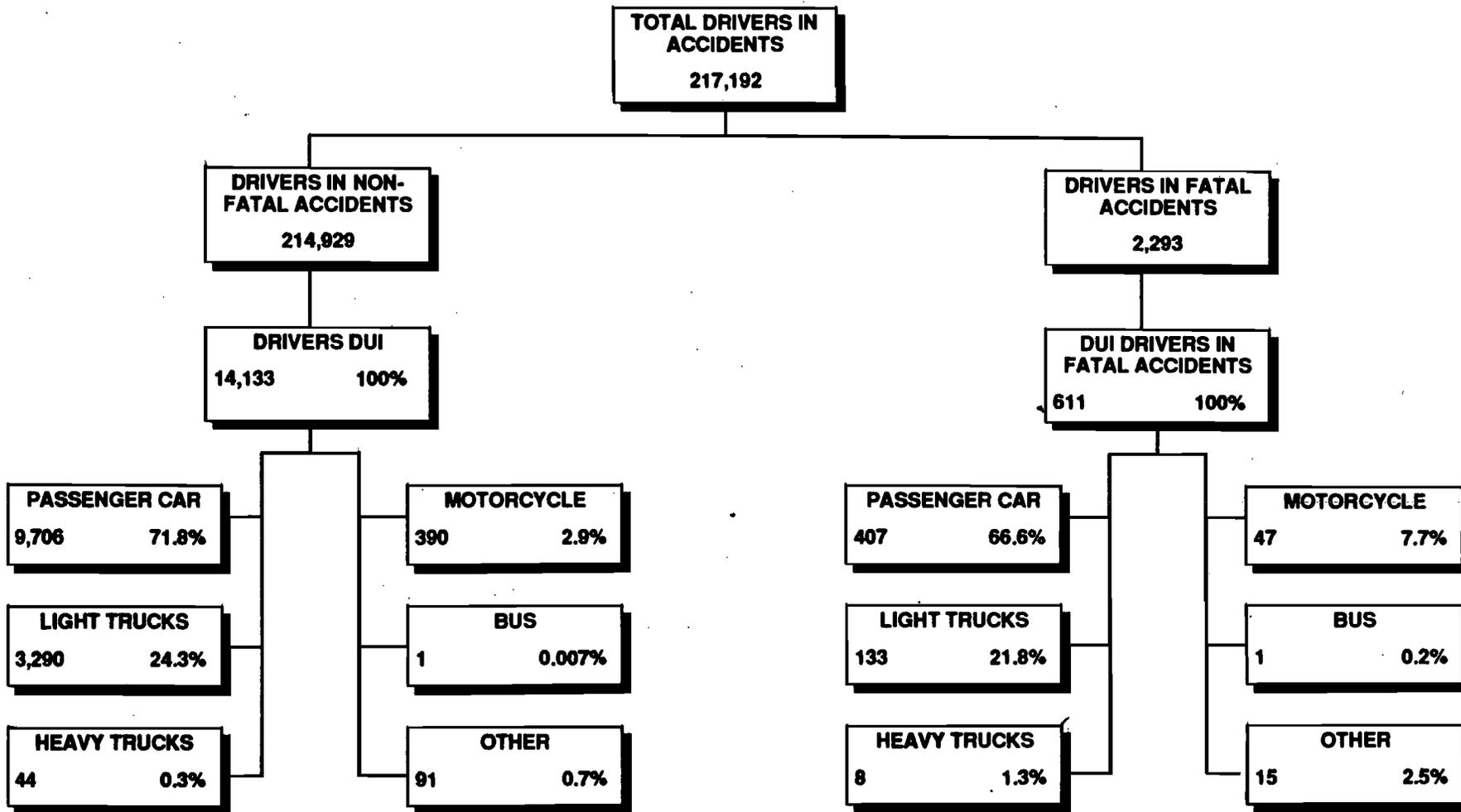
ALCOHOL RELATED ACCIDENT STATISTICS

	1989	1990	1991	PERCENT CHANGE		
				88-89	89-90	90-91
ACCIDENTS	16,988	16,382	14,070	-8.8	-3.6	-14.1
FATAL ACCIDENTS	763	670	616	-3.3	-12.2	-8.1
INJURY ACCIDENTS	11,593	11,170	9,511	-9.2	-2.9	-14.9
P.D.O. ACCIDENTS	4,632	4,542	3,943	-8.9	-1.9	-13.2
NUMBER KILLED	825	737	681	-3.6	-10.7	-7.6
NUMBER INJURED	18,185	17,216	14,805	-8.6	-5.3	-14.0
MAJOR INJURY	2,033	1,889	1,612	+0.7	-7.1	-14.7
MODERATE INJURY	5,054	4,742	3,688	-4.7	-6.2	-22.2
MINOR INJURY	9,495	8,549	7,551	-18.8	-10.0	-11.7
UNKNOWN INJURY	1,603	2,036	1,954	+83.8	+27.0	-4.0
FATAL ACCIDENTS PER 100,000 LICENSED DRIVERS	9.8	8.5	7.7	-3.9	-13.3	-9.4
INJURY ACCIDENTS PER 100,000 LICENSED DRIVERS	163.7	142.2	119.3	-0.8	-13.1	-16.1
DEATHS PER 100,000 LICENSED DRIVERS	10.6	9.4	8.5	-4.5	-11.3	-9.6
INJURIES PER 100,000 LICENSED DRIVERS	233.2	219.2	185.8	-9.3	-6.0	-15.2

ALCOHOL RELATED ACCIDENTS HISTORICAL DATA

YEAR	FATAL ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS	TOTAL ACCIDENTS	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

1991 DRIVER INVOLVEMENT IN ALOHOL RELATED ACCIDENTS BY VEHICLE TYPE



34

IN THE 14,070 ACCIDENTS INVOLVING ALCOHOL, 14,133 DRIVERS HAD BEEN DRINKING.
IN THE 616 FATAL ACCIDENTS INVOLVING ALCOHOL, 611 DRIVERS HAD BEEN DRINKING.

1991

PERSONS KILLED IN ACCIDENTS INVOLVING DRINKING DRIVERS

TOTAL ALCOHOL REALATED KILLED

681 100%

TOTAL KILLED IN DRINKING DRIVER ACCIDENTS

649 100%

AGE	DRINKING DRIVERS	OCCUPANTS-WITH DRINKING DRIVER	NON-DRINKING DRIVERS	OCCUPANTS WITH NON-DRINKING DRIVERS	DRINKING PEDESTRIANS *	NON-DRINKING PEDESTRIANS	AGE
UNDER 16	0 0.00%	5 3.65%	0 0.00%	1 4.35%	0 0.00%	5 23.81%	UNDER 16
16-20	71 12.71%	34 24.82%	5 12.20%	3 13.04%	0 0.00%	2 9.52%	16-20
21-25	112 26.73%	39 28.47%	8 19.51%	2 8.70%	3 37.50%	2 9.52%	21-25
26-60	215 51.31%	48 35.04%	16 39.02%	8 34.78%	4 50.00%	6 38.57%	26-60
OVER 60	21 5.01%	9 6.57%	12 29.27%	9 39.13%	1 12.50%	6 28.57%	OVER 60
UNKNOWN AGE	0 0.00%	2 1.46%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	UNKNOWN AGE
TOTAL	419 64.56%	137 21.11%	41 6.32%	23 3.54%	8 1.23%	21 3.24%	TOTAL

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

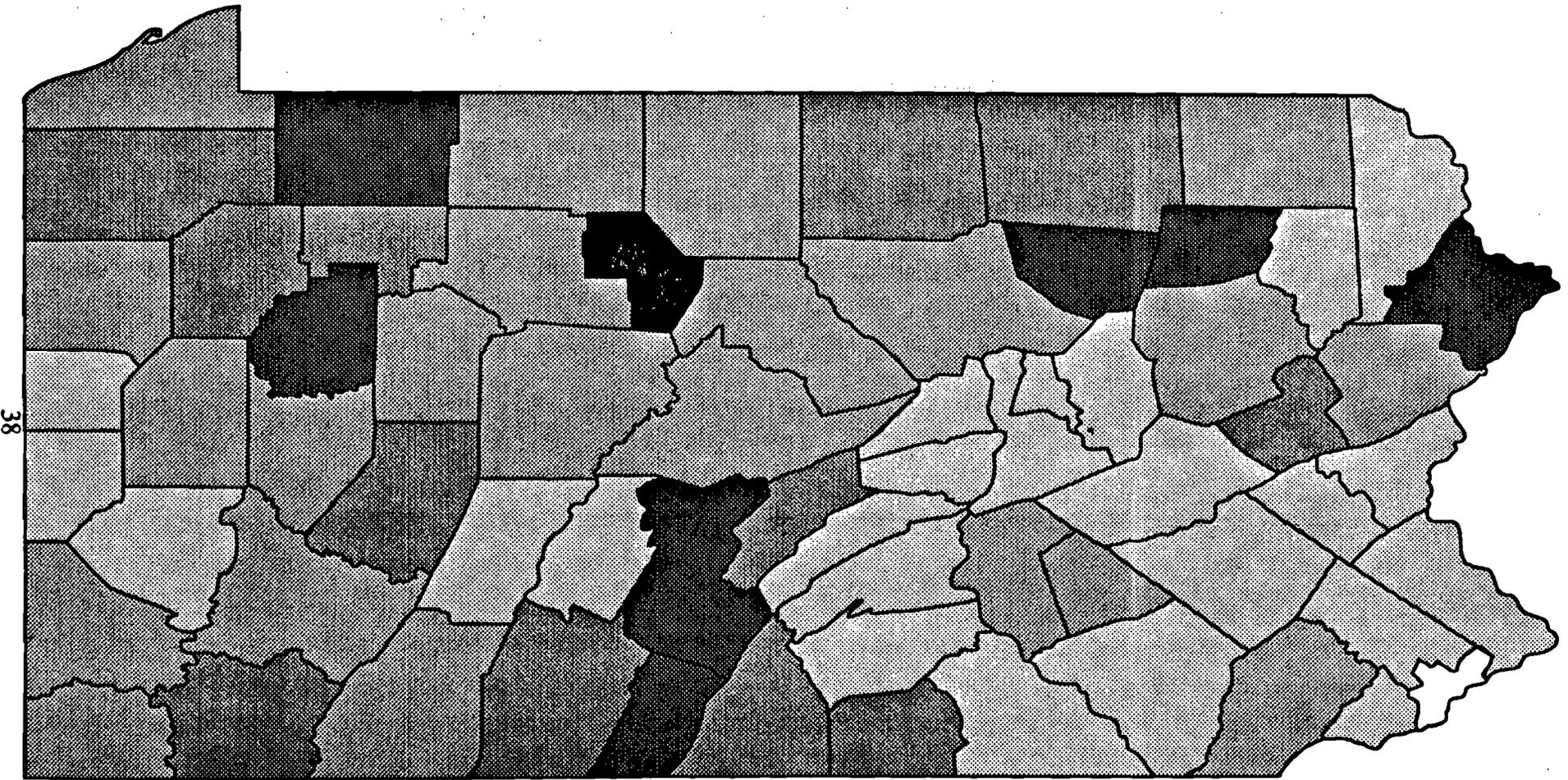
1987-1991
ALCOHOL-RELATED FATALITIES BY COUNTY

COUNTY	1987 FATALITIES	1988 FATALITIES	1989 FATALITIES	1990 FATALITIES	1991 FATALITIES	ANNUAL GROWTH RATE	PERCENT CHANGE 90-91
ADAMS	15	11	8	11	8	-1.49	-27.3
ALLEGHENY	39	62	52	45	39	-2.36	-13.3
ARMSTRONG	9	5	5	10	12	1.05	20.0
BEAVER	9	6	14	7	12	0.68	71.4
BEDFORD	11	17	4	9	12	-0.75	33.3
BERKS	31	20	35	22	17	-2.46	-22.7
BLAIR	12	11	7	13	9	-0.32	-30.8
BRADFORD	9	5	4	5	4	-1.19	-20.0
BUCKS	47	42	33	26	19	-7.16	-26.9
BUTLER	18	16	14	13	11	-1.71	-15.4
CAMBRIA	16	14	12	3	7	-2.55	133.3
CAMERON	.	2	1	.	1	-0.33	.
CARBON	5	6	3	9	6	0.60	-33.3
CENTRE	9	6	11	7	10	0.27	42.9
CHESTER	35	31	24	22	26	-2.77	18.2
CLARION	4	2	9	5	7	0.60	40.0
CLEARFIELD	10	8	15	12	7	0.00	-41.7
CLINTON	6	3	7	13	4	1.26	-69.2
COLUMBIA	3	7	8	11	2	1.22	-81.8
CRAWFORD	12	10	15	5	11	-0.37	120.0
CUMBERLAND	21	14	6	13	14	-1.76	7.7
DAUPHIN	19	18	23	14	11	-1.68	-21.4
DELAWARE	26	22	21	18	15	-2.60	-16.7
ELK	8	2	3	2	4	-1.13	100.0
ERIE	27	23	19	21	15	-2.58	-28.6
FAYETTE	22	16	18	17	19	-0.61	11.8
FOREST	2	.	1	2	1	-0.14	-50.0
FRANKLIN	8	9	15	13	12	1.05	-7.7
FULTON	3	2	1	4	3	0.20	-25.0
GREENE	7	8	10	11	3	0.36	-72.7
HUNTINGDON	7	6	2	3	15	2.15	400.0
INDIANA	10	16	10	6	11	-0.82	83.3
JEFFERSON	3	6	.	5	1	-0.13	-80.0
JUNIATA	2	5	2	2	2	-0.52	0.0
LACKAWANNA	11	21	9	17	11	-0.72	-35.3
LANCASTER	22	25	32	22	17	-1.05	-22.7
LAWRENCE	5	9	7	7	4	-0.44	-42.9
LEBANON	3	9	5	2	10	0.85	400.0
LEHIGH	24	22	19	12	14	-2.95	16.7
LUZERNE	19	24	26	17	23	0.13	35.3
LYCOMING	14	15	19	14	11	-0.57	-21.4
McKEAN	3	5	10	5	7	0.51	40.0
MERCER	5	8	6	12	7	0.92	-41.7
MIFFLIN	7	6	6	3	5	-0.63	66.7
MONROE	16	18	14	9	18	-0.17	100.0
MONTGOMERY	35	19	20	18	23	-3.08	27.8
MONTOUR	1	1	4	3	.	0.75	.
NORTHAMPTON	19	17	21	6	9	-2.41	50.0
NORTHUMBERLAND	6	12	13	10	10	0.23	0.0
PERRY	8	10	8	6	4	-1.11	-33.3
PIKE	2	3	3	2	8	1.57	300.0
POTTER	3	1	2	2	5	0.56	150.0
SCHUYLKILL	20	14	17	12	17	-0.82	41.7
SNYDER	10	5	7	3	3	-1.74	0.0
SOMERSET	7	10	14	6	6	-0.47	0.0
SULLIVAN	2	1	2	1	2	0.00	100.0
SUSQUEHANNA	5	9	7	5	7	-0.13	40.0
TIOGA	9	7	2	11	7	0.10	-36.4
UNION	8	4	4	3	1	-1.69	-66.7
VENANGO	7	13	4	9	4	-1.02	-55.6
WARREN	5	4	10	4	4	-0.12	0.0
WASHINGTON	25	18	19	15	20	-1.37	33.3
WAYNE	5	8	2	6	2	-0.61	-66.7
WESTMORELAND	32	31	35	26	24	-1.97	-7.7
WYOMING	8	5	5	13	4	0.73	-69.2
YORK	20	30	23	23	22	-0.59	-4.3
PHILADELPHIA	33	42	56	41	22	-1.09	-46.3
TOTALS	864	857	843	724	681	-48.84	-5.9

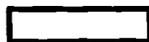
1987-1991 DUI ARRESTS BY COUNTY

COUNTY	1987 DUI ARRESTS	1988 DUI ARRESTS	1989 DUI ARRESTS	1990 DUI ARRESTS	1991 DUI ARRESTS	ANNUAL GROWTH RATE	PERCENT CHANGE 90-91
ADAMS	179	173	283	304	241	24.43	-22.3
ALLEGHENY	4,493	4,469	4,972	5,193	4,295	43.98	-18.1
ARMSTRONG	126	122	132	174	166	14.22	-6.1
BEAVER	504	585	754	681	653	36.18	-3.7
BEDFORD	111	130	170	161	170	14.08	5.3
BERKS	652	595	659	863	1,003	100.95	21.2
BLAIR	336	334	462	431	393	20.06	-8.2
BRADFORD	98	94	117	159	248	41.09	76.1
BUCKS	2,829	2,983	2,907	3,604	3,031	109.65	-19.7
BUTLER	506	640	714	773	738	56.45	-4.9
CAMBRIA	385	380	451	459	398	10.08	-13.5
CAMERON	29	24	40	31	50	5.26	47.5
CARBON	144	179	194	211	237	21.54	13.4
CENTRE	518	521	637	672	784	69.43	17.6
CHESTER	1,116	1,240	1,457	1,706	1,523	126.50	-12.6
CLARION	122	139	151	173	138	6.87	-23.2
CLEARFIELD	183	203	251	300	248	22.63	-20.7
CLINTON	132	140	155	173	118	1.98	-35.5
COLUMBIA	123	152	158	154	121	-0.06	-20.9
CRAWFORD	182	185	303	318	319	38.41	0.3
CUMBERLAND	898	956	962	937	954	9.02	1.8
DAUPHIN	892	813	835	1,041	1,075	60.35	4.1
DELAWARE	1,481	1,508	1,751	2,102	1,899	143.51	-11.6
ELK	147	211	210	222	200	9.94	-10.5
ERIE	823	826	850	1,207	1,164	108.88	-5.1
FAYETTE	316	316	290	488	426	41.03	-21.4
FOREST	23	35	42	36	35	1.94	-2.4
FRANKLIN	383	397	462	421	456	16.75	7.6
FULTON	39	35	42	37	45	1.46	19.0
GREENE	83	108	101	119	106	5.19	-12.9
HUNTINGDON	94	85	81	133	187	25.94	66.7
INDIANA	272	273	323	337	349	21.61	3.7
JEFFERSON	176	203	226	206	210	6.61	1.8
JUNIATA	20	43	45	85	85	16.85	0.0
LACKAWANNA	420	378	481	791	851	131.46	12.5
LANCASTER	939	914	1,213	1,217	1,269	93.90	4.3
LAWRENCE	422	529	497	546	500	15.83	-9.3
LEBANON	468	439	495	400	366	-23.22	-6.9
LEHIGH	800	872	1,000	1,066	1,068	71.70	0.2
LUZERNE	710	765	973	1,226	919	91.12	-31.6
LYCOMING	404	572	572	579	530	21.32	-8.6
McKEAN	117	134	116	182	155	12.90	-23.3
MERCER	325	359	545	572	474	48.12	-18.0
MIFFLIN	194	222	196	173	236	4.51	32.1
MONROE	198	226	239	315	320	33.63	2.1
MONTGOMERY	2,763	2,815	3,063	3,044	2,856	41.58	-6.1
MONTOUR	26	31	42	54	40	5.10	-33.3
NORTHAMPTON	911	1,074	1,188	1,192	1,106	47.95	-7.2
NORTHUMBERLAND	178	186	287	367	265	35.63	-35.5
PERRY	109	96	146	146	112	5.72	-23.3
PIKE	62	71	81	81	101	9.02	24.7
POTTER	38	25	33	40	32	0.09	-24.2
SCHUYLKILL	364	426	480	532	441	25.81	-19.0
SNYDER	67	93	128	132	134	15.84	1.6
SOMERSET	232	232	223	253	271	10.17	8.1
SULLIVAN	4	5	7	3	6	0.28	42.9
SUSQUEHANNA	38	42	41	61	66	7.78	12.2
TIOGA	144	158	167	168	146	1.49	-13.2
UNION	60	64	84	95	88	8.48	-8.3
VENANGO	230	311	384	339	321	17.78	-4.7
WARREN	164	158	166	187	198	9.85	6.6
WASHINGTON	679	678	807	960	876	67.60	-10.4
WAYNE	35	50	109	115	138	25.03	21.1
WESTMORELAND	1,010	1,146	1,401	1,674	1,323	116.44	-25.1
WYOMING	64	50	83	104	146	23.10	50.6
YORK	1,219	1,358	1,385	1,457	1,313	28.38	-10.4
PHILADELPHIA	2,828	2,653	2,229	2,391	2,251	-144.79	-6.2
TOTALS	34,634	36,229	40,048	44,373	40,984	2,079.93	-8.5

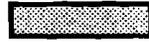
1991 ALCOHOL-RELATED ACCIDENTS PER 1,000 DRIVERS



ACCIDENT RATE



UNDER 1.0



1.0 - 1.99



2.00 - 2.49



2.50 - 2.99

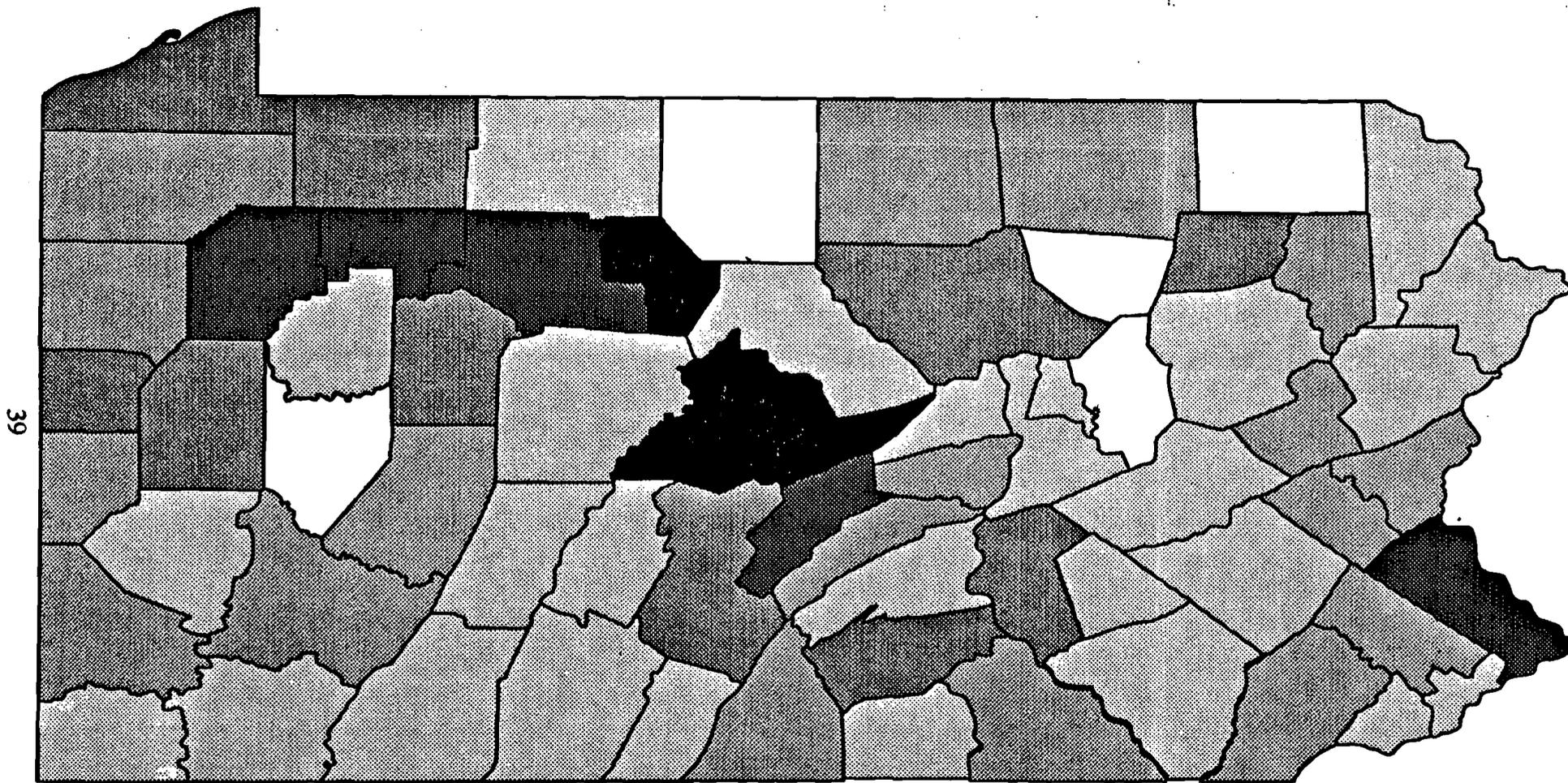


3.0 - 3.99



OVER 5.0

1991 DUI ARRESTS PER 1,000 DRIVERS



ARREST RATE

1.0 - 2.9

6.0 - 6.9

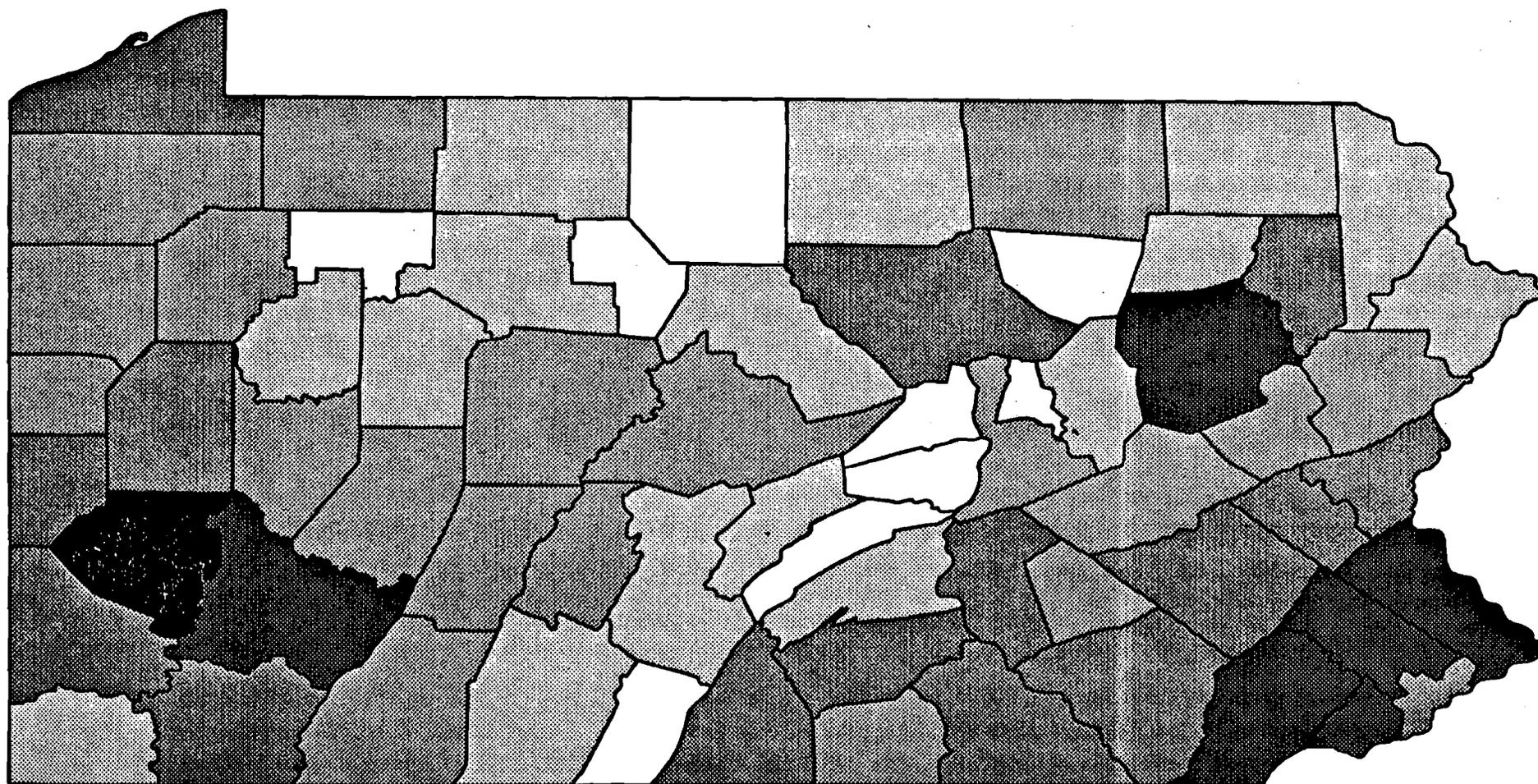
3.0 - 4.9

7.0 - 8.9

5.0 - 5.9

OVER 10.0

1991 ALCOHOL-RELATED ACCIDENTS



ACCIDENTS



UNDER 50



50 - 99



100 - 199



200 - 499

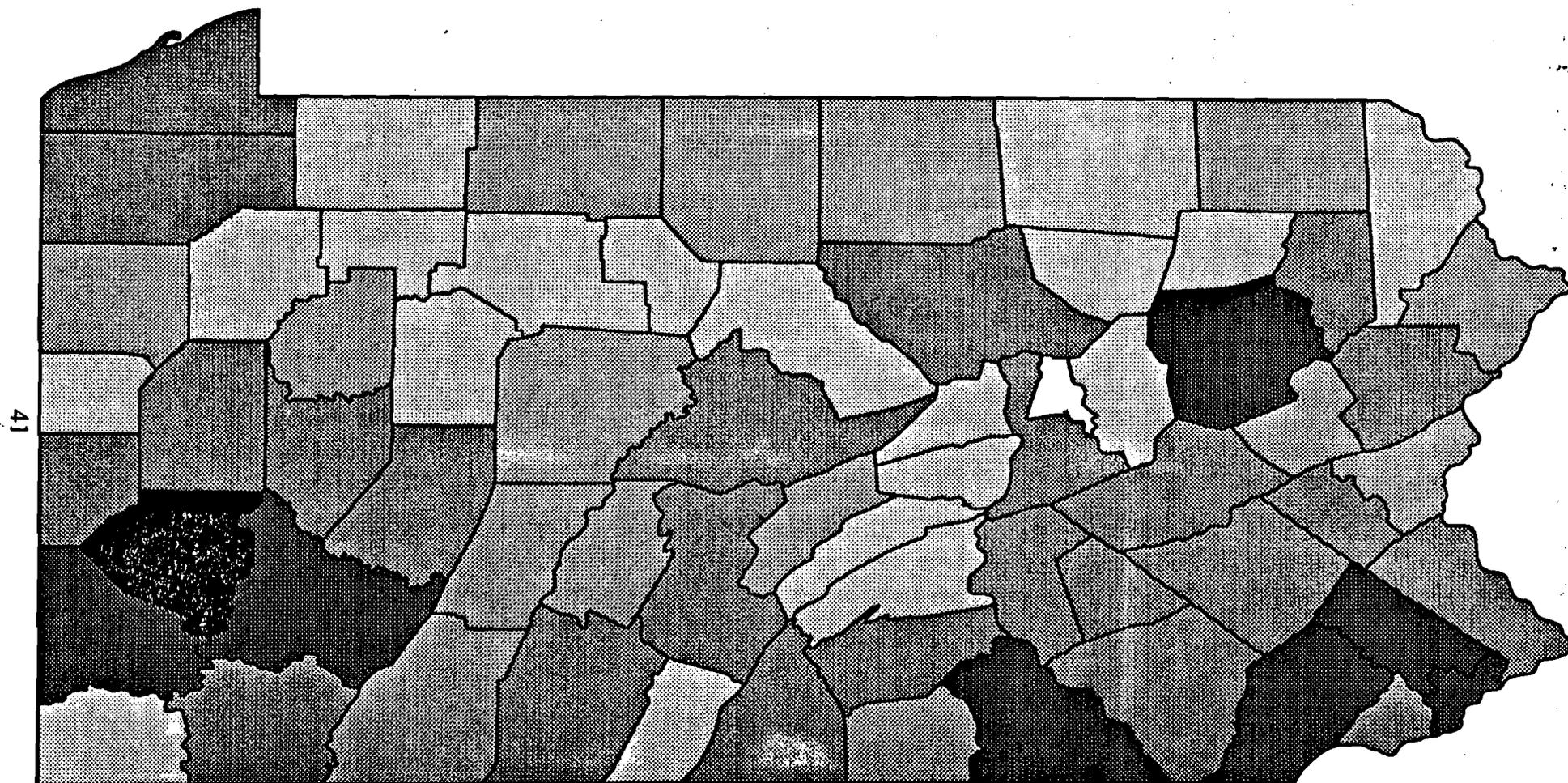


500 - 999

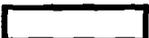


OVER 1000

1991 ALCOHOL-RELATED FATALITIES



KILLED

 NONE

 10 - 19

 1 - 4

 20 - 29

 5 - 9

 OVER 30

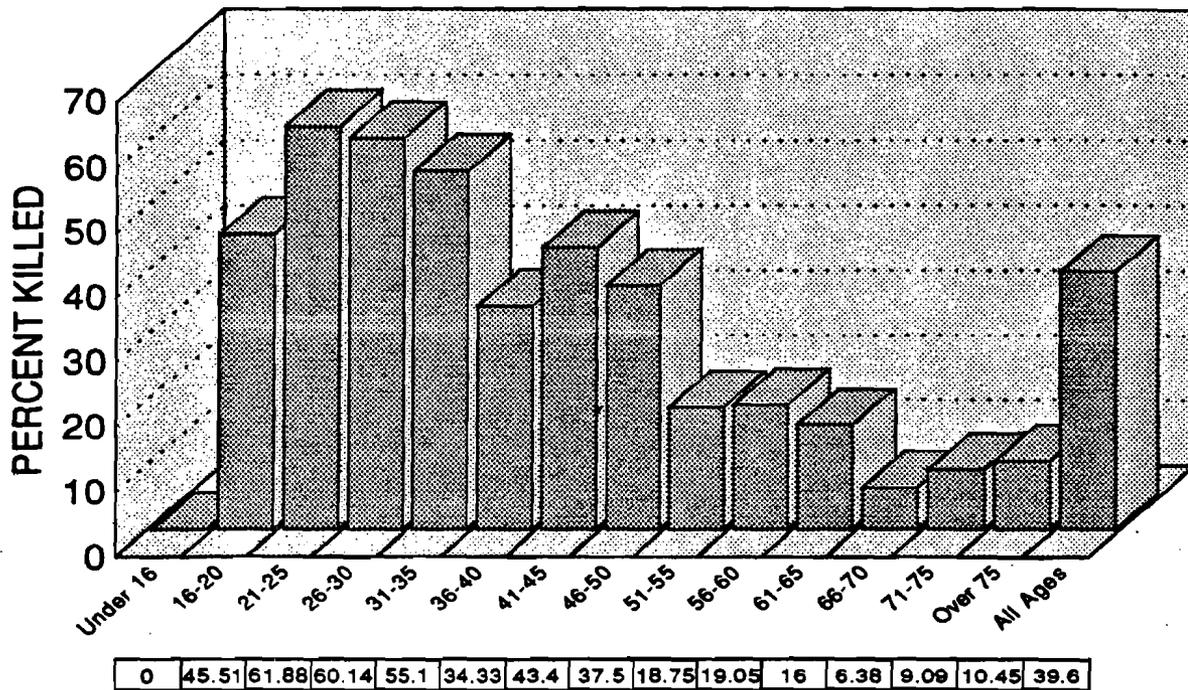
1991 ALCOHOL RELATED ACCIDENTS BY MONTH

MONTH	TOTAL ACCIDENTS		FATAL ACCIDENTS		FATALITIES	
	TOTAL	ME.A.D*	TOTAL	ME.A.D*	TOTAL	ME.F.D.**
JANUARY	1,005	32.42	40	1.29	48	1.55
FEBRUARY	985	35.18	42	1.50	44	1.57
MARCH	1,298	41.87	42	1.36	48	1.55
APRIL	1,159	38.63	43	1.43	45	1.50
MAY	1,145	36.94	51	1.65	58	1.87
JUNE	1,130	37.67	68	2.27	75	2.50
JULY	1,076	34.71	48	1.55	52	1.68
AUGUST	1,225	39.52	58	1.87	62	2.00
SEPTEMBER	1,258	41.93	75	2.50	84	2.80
OCTOBER	1,262	40.71	48	1.55	52	1.68
NOVEMBER	1,234	41.13	58	1.93	66	2.20
DECEMBER	1,293	41.71	43	1.39	47	1.52
YEAR OVERALL	14,070	38.51	616	1.69	681	1.87

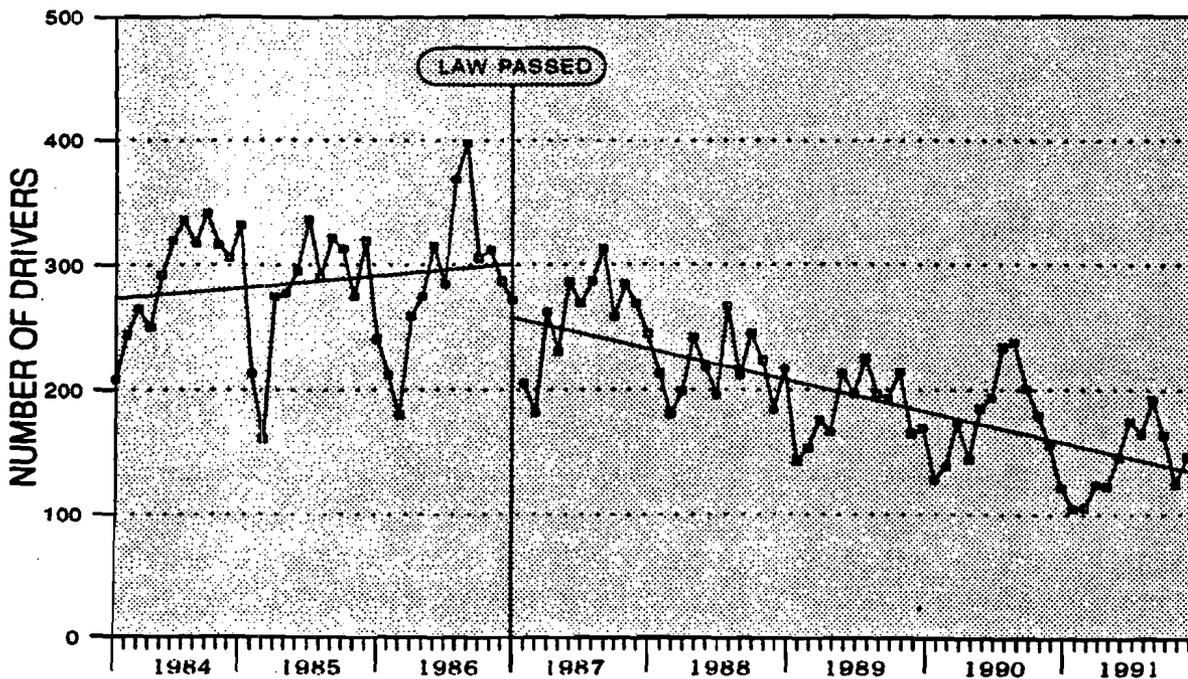
* Mean Accidents Per Day

** Mean Fatalities Per Day

DRIVERS KILLED USING ALCOHOL AS A PERCENTAGE OF TOTAL DRIVER DEATHS - 1991

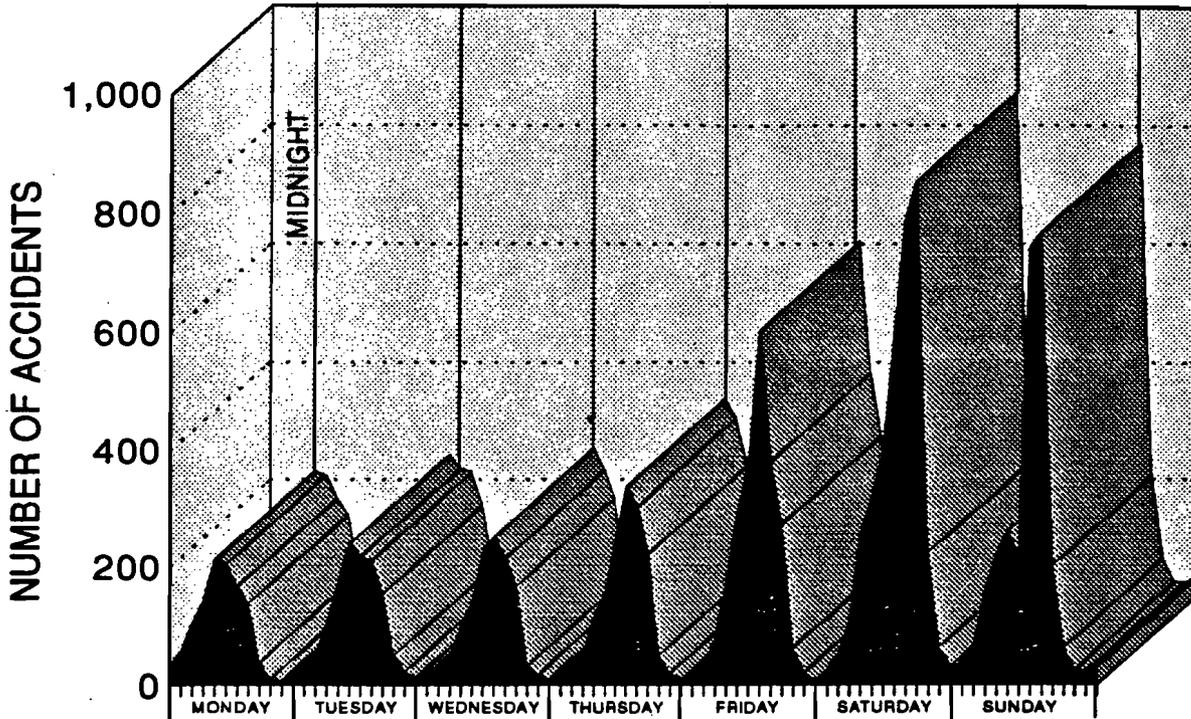


UNDERAGE DRINKING DRIVERS IN PENNSYLVANIA ACCIDENTS 1984 - 1991



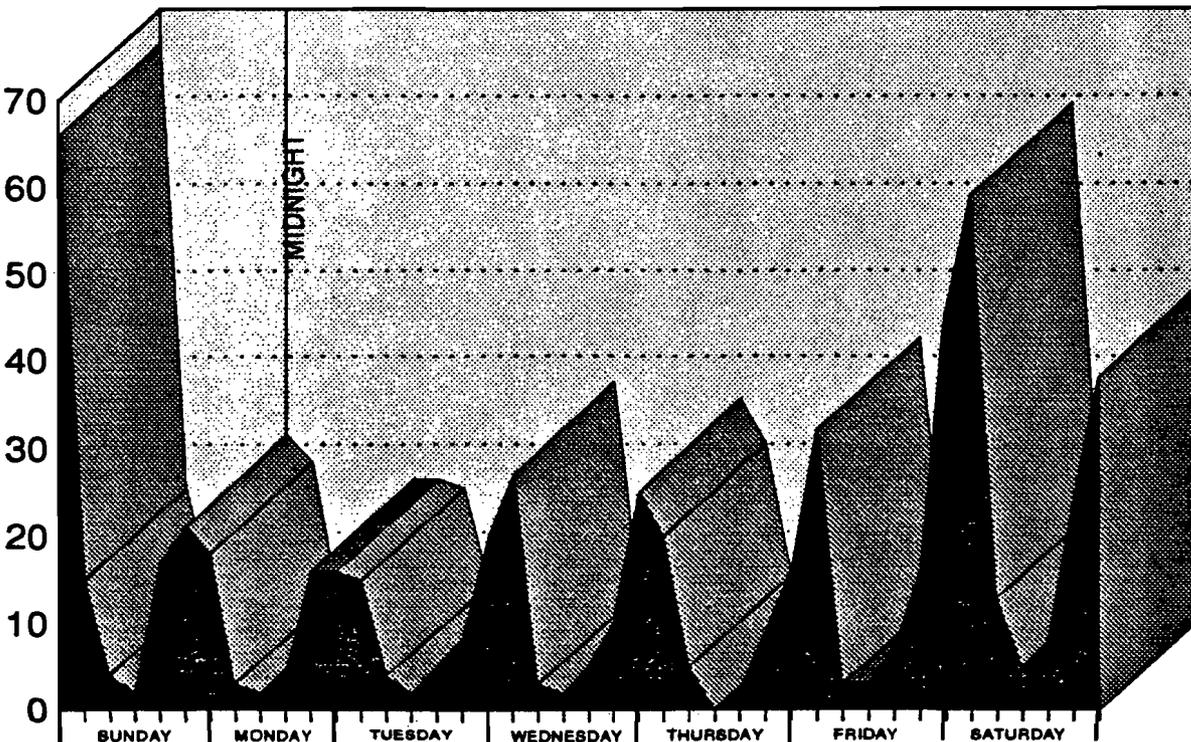
1991 ALCOHOL-RELATED ACCIDENTS

TIME BY DAY OF WEEK



1991 ALCOHOL-RELATED FATAL ACCIDENTS

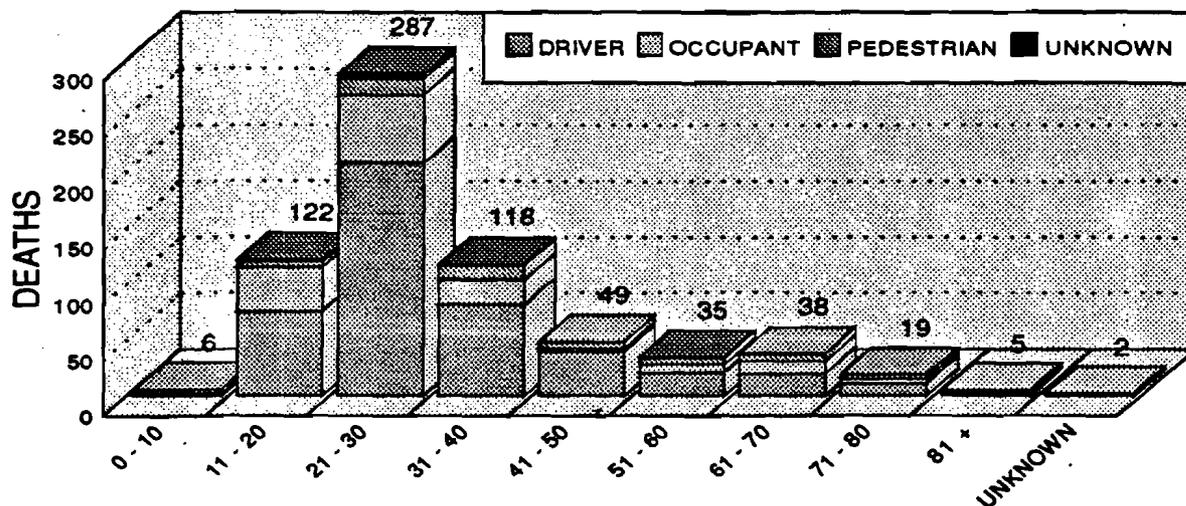
TIME BY DAY BY HOUR



VICTIMS OF ALCOHOL-RELATED FATAL ACCIDENTS

DISTRIBUTION BY AGE

1991



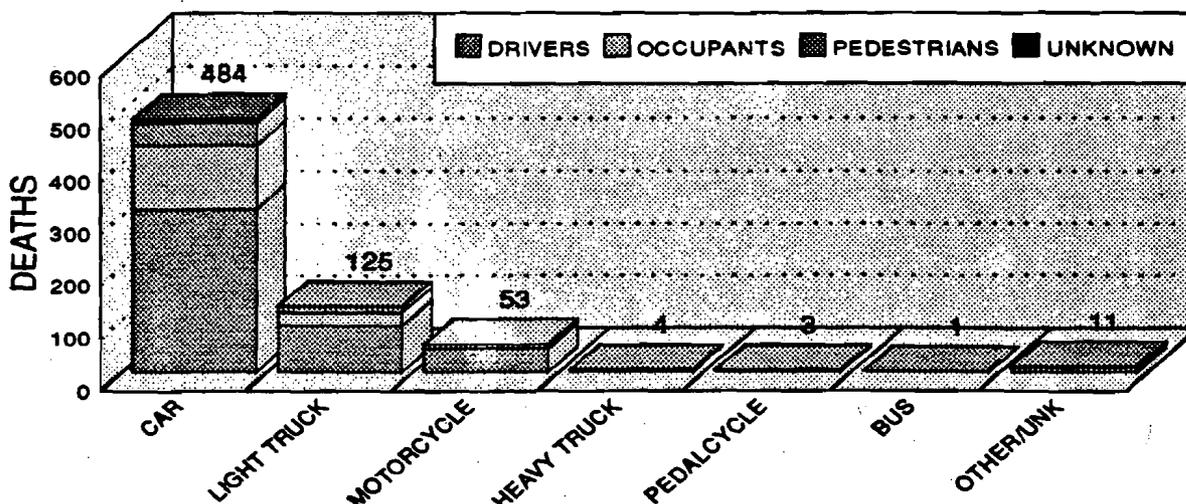
UNKNOWN	0	2	4	1	0	1	0	0	0	0
PEDESTRIAN	4	5	14	13	6	6	7	4	0	0
OCCUPANT	2	39	61	22	3	7	11	4	3	2
DRIVER	0	76	208	82	40	21	20	11	2	0

AGE GROUPS

VICTIMS OF ALCOHOL-RELATED FATAL ACCIDENTS

DISTRIBUTION BY VEHICLE TYPE

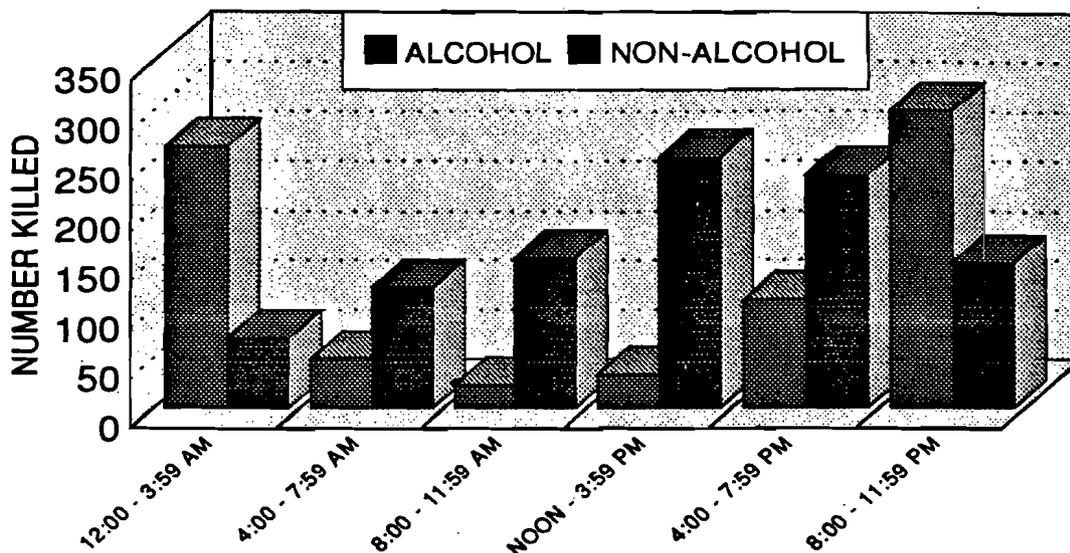
1991



UNKNOWN	8	0	0	0	0	0	0
PEDESTRIANS	43	12	0	1	0	1	2
OCCUPANTS	121	25	8	0	0	0	0
DRIVERS	312	88	45	3	3	0	9

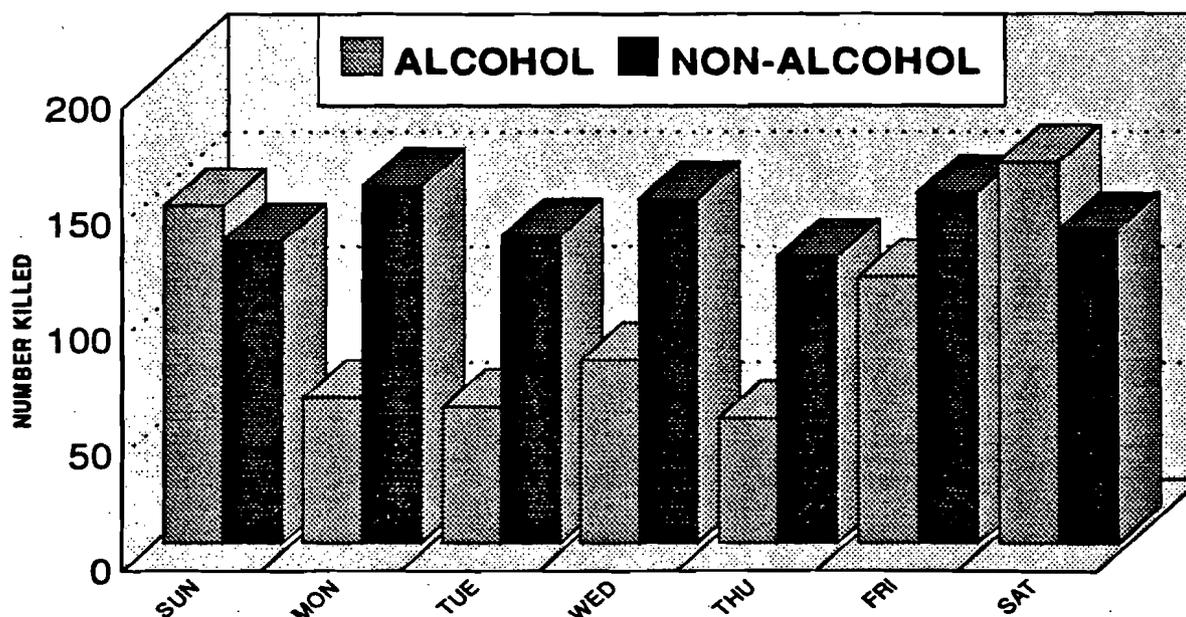
AGE GROUPS

VICTIMS OF FATAL ACCIDENTS - 1991 DISTRIBUTION BY TIME OF DAY



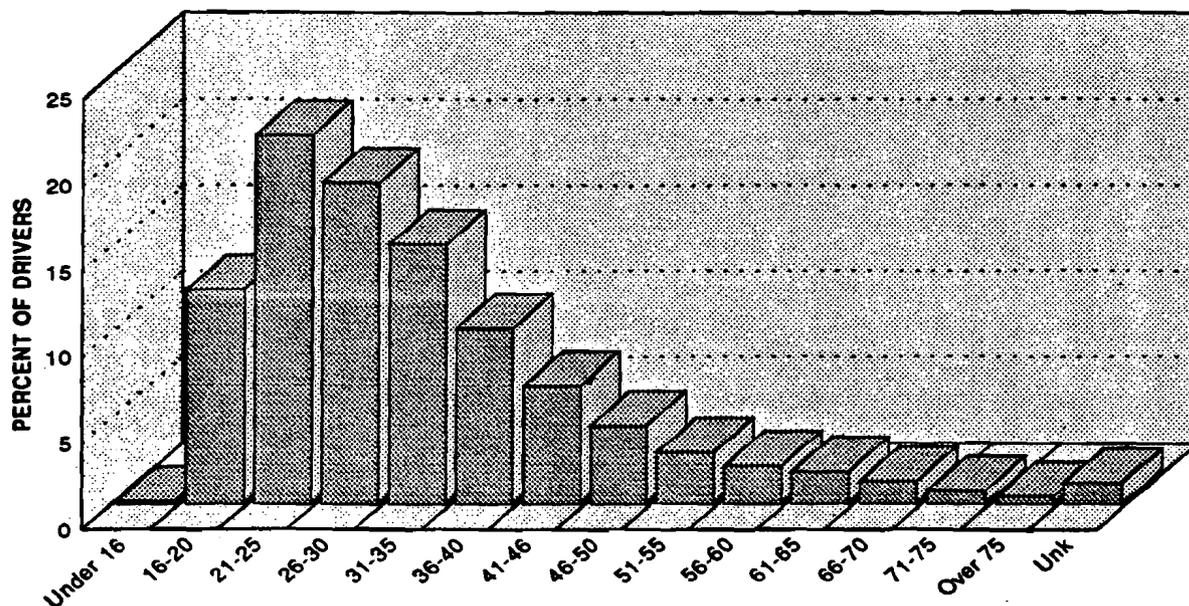
ALCOHOL	264	50	23	34	109	300
NON-ALCOHOL	71	122	152	253	235	147

VICTIMS OF FATAL ACCIDENTS - 1991 DISTRIBUTION BY DAY OF WEEK



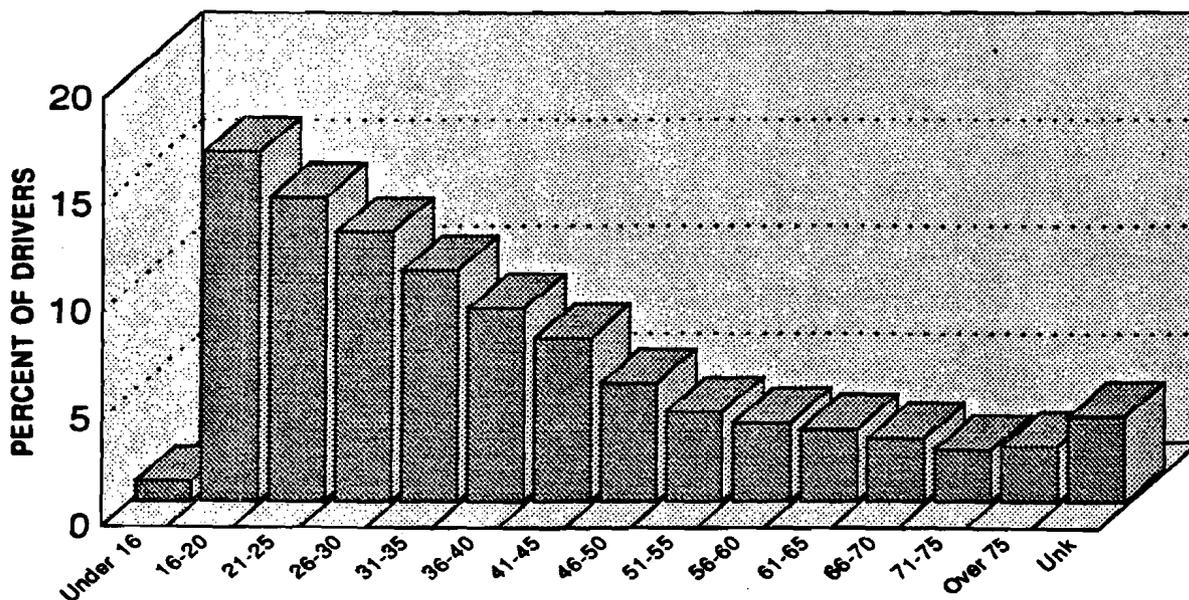
ALCOHOL	146	63	59	79	54	115	165
NON-ALCOHOL	131	155	133	149	124	152	136

PERCENT OF DRIVER INVOLVEMENT IN 1991 ALCOHOL-RELATED ACCIDENTS BY AGE GROUP



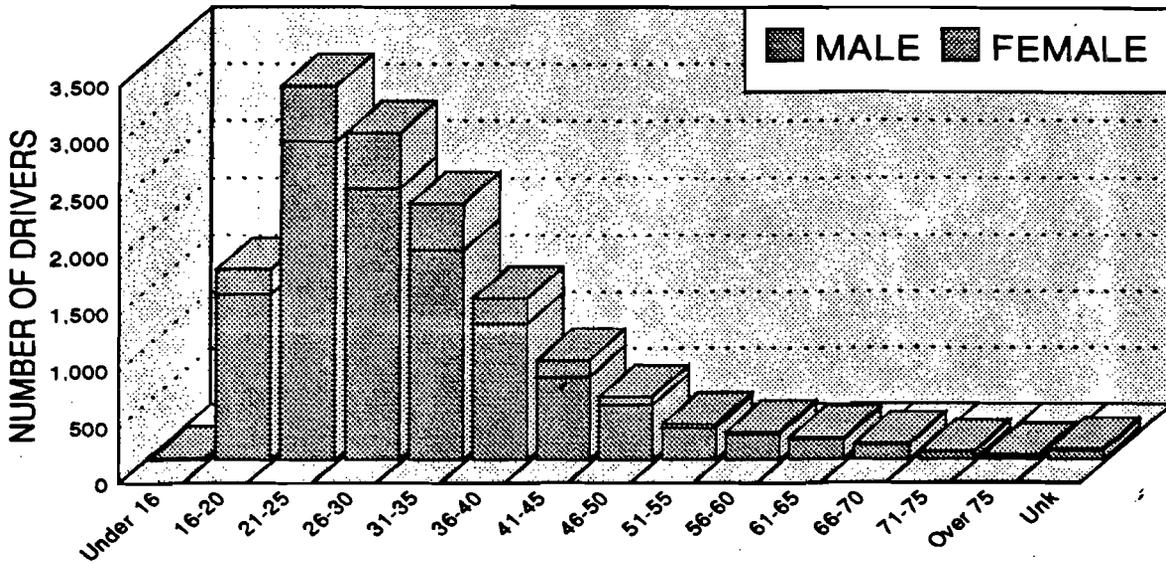
PERCENT	0.17	12.39	21.41	18.66	15.07	10.17	6.82	4.52	2.98	2.21	1.87	1.31	0.77	0.43	1.23
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PERCENT OF DRIVER INVOLVEMENT IN 1991 NON-ALCOHOL RELATED ACCIDENTS BY AGE GROUP



PERCENT	0.96	16.31	14.19	12.56	10.75	8.97	7.57	5.49	4.16	3.67	3.38	2.97	2.43	2.61	3.97
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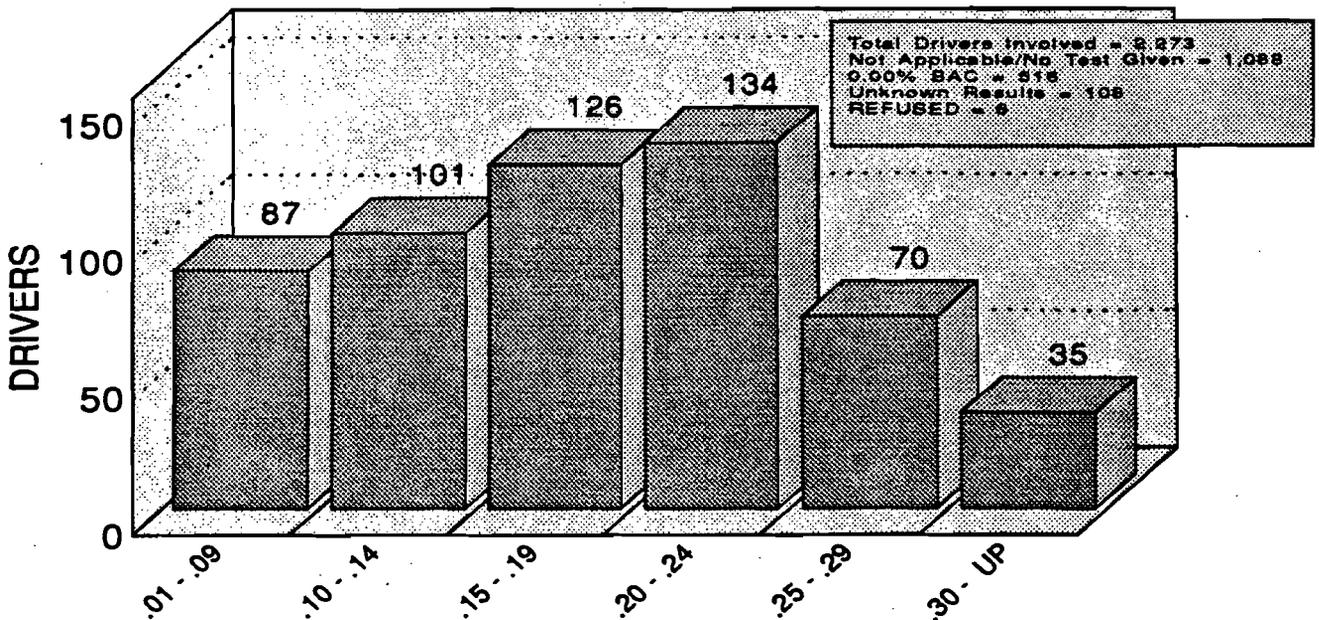
1991 DRINKING DRIVERS BY AGE AND SEX



FEMALE	3	221	491	485	411	226	150	75	34	18	20	8	6	6	17
MALE	12	1,462	2,806	2,397	1,855	1,201	732	483	282	224	172	131	62	32	71

AGE

BLOOD ALCOHOL CONTENT (BAC) DRIVERS IN FATAL ACCIDENTS - 1991



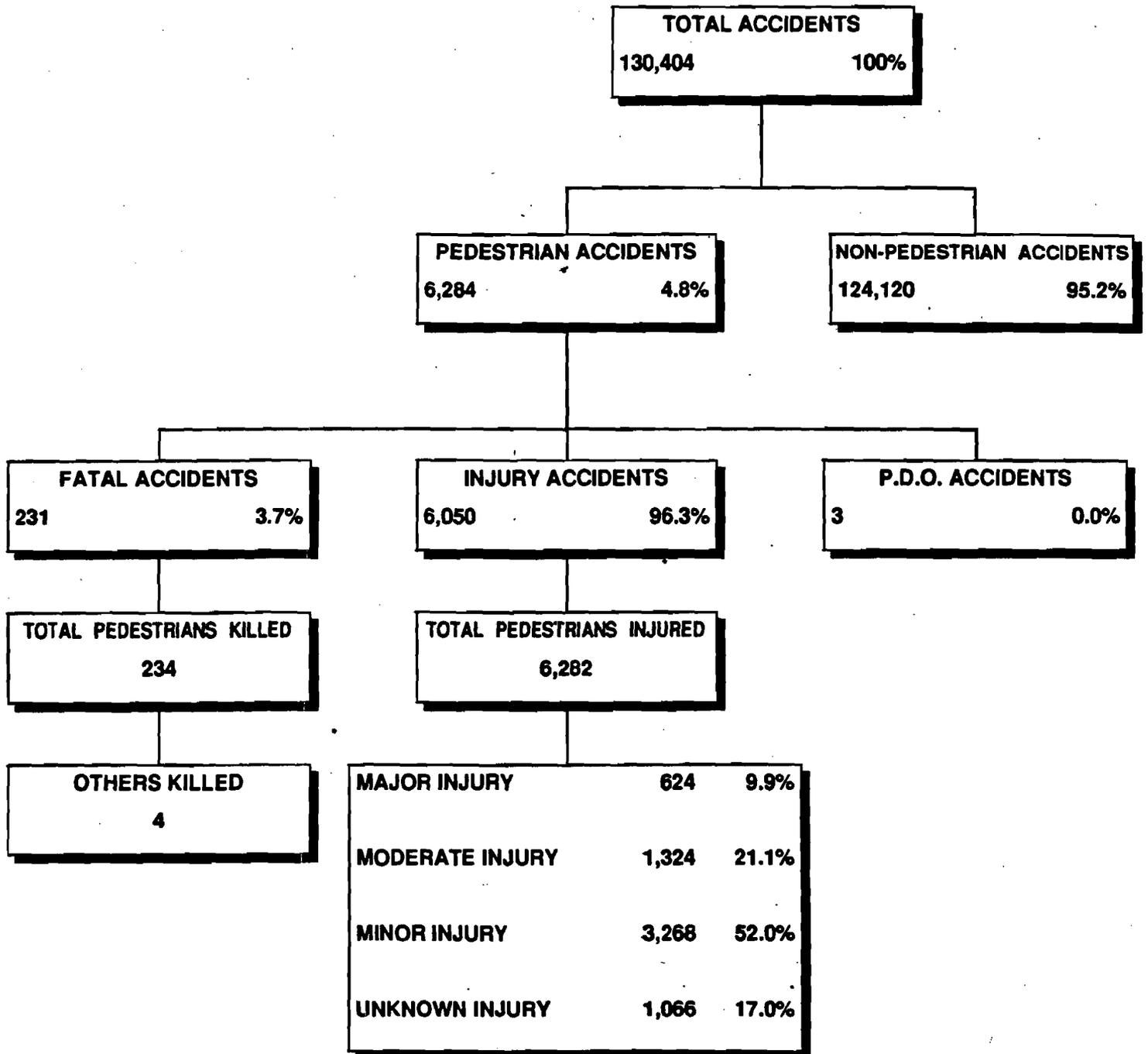
Total Drivers Involved = 2,273
Not Applicable/No Test Given = 1,088
0.00% BAC = 318
Unknown Results = 108
REFUSED = 6

BAC



VII. PEDESTRIAN RELATED ACCIDENT STATISTICS

1991 PEDESTRIAN RELATED ACCIDENTS: DISTRIBUTION BY SEVERITY



1987-1991 PEDESTRIAN FATALITIES BY COUNTY

COUNTY	1987	1988	1989	1990	1991
ADAMS	5	1	0	2	1
ALLEGHENY	19	22	25	22	16
ARMSTRONG	2	1	1	3	1
BEAVER	3	0	1	5	3
BEDFORD	1	1	0	1	1
BERKS	5	10	5	6	8
BLAIR	0	3	4	4	5
BRADFORD	1	2	2	0	1
BUCKS	11	13	8	10	13
BUTLER	3	4	2	3	3
CAMBRIA	3	1	8	2	2
CAMERON	0	1	0	0	0
CARBON	2	2	4	2	1
CENTRE	2	0	2	0	2
CHESTER	8	5	8	4	6
CLARION	0	0	1	2	2
CLEARFIELD	2	0	0	0	1
CLINTON	1	0	0	2	0
COLUMBIA	1	1	1	4	1
CRAWFORD	3	1	0	1	0
CUMBERLAND	4	7	2	5	1
DAUPHIN	5	7	9	5	5
DELAWARE	17	14	12	7	9
ELK	0	3	0	1	0
ERIE	10	8	9	10	6
FAYETTE	0	4	3	1	4
FOREST	0	1	1	0	0
FRANKLIN	2	6	3	1	2
FULTON	1	1	0	1	0
GREENE	0	2	0	1	0
HUNTINGDON	1	0	0	0	0
INDIANA	1	1	3	2	2
JEFFERSON	0	1	0	2	2
JUNIATA	0	0	0	1	1
LACKAWANNA	4	7	4	5	5
LANCASTER	8	9	7	15	9
LAWRENCE	2	1	2	3	1
LEBANON	5	2	3	2	1
LEHIGH	10	7	3	5	10
LUZERNE	7	10	8	8	5
LYCOMING	0	4	2	3	2
McKEAN	1	2	2	1	0
MERCER	3	1	3	2	1
MIFFLIN	0	0	3	1	0
MONROE	3	3	3	3	7
MONTGOMERY	17	15	11	12	13
MONTOUR	0	0	0	0	0
NORTHAMPTON	3	3	4	4	4
NORTHUMBERLAND	2	1	4	1	2
PERRY	2	1	2	3	1
PIKE	1	0	0	0	0
POTTER	1	0	0	1	1
SCHUYLKILL	4	1	5	4	3
SNYDER	0	2	1	0	1
SOMERSET	0	3	2	0	0
SULLIVAN	0	0	0	0	0
SUSQUEHANNA	0	2	2	1	0
TIOGA	1	1	2	0	0
UNION	0	1	1	3	0
VENANGO	2	1	1	1	4
WARREN	1	2	3	0	1
WASHINGTON	3	4	1	3	6
WAYNE	2	3	0	0	2
WESTMORELAND	4	1	8	5	4
WYOMING	0	1	0	3	0
YORK	5	8	4	7	5
PHILADELPHIA	48	48	46	61	47
TOTAL	252	266	251	267	234

PEDESTRIAN INJURY SEVERITY BY STRIKING VEHICLE TYPE 1991 ACCIDENTS

COLUMN %	PASSENGER CAR	LIGHT TRUCK	HEAVY TRUCK	BUS TYPE	MOTORCYCLE BODY TYPE	OTHER/ UNKNOWN	TOTAL
DEATH	157 3.18%	49 5.63%	14 12.28%	5 5.81%	0 0.00%	9 1.75%	234
MAJOR INJURY	472 9.56%	77 8.85%	16 14.04%	9 10.47%	9 19.15%	41 7.99%	624
MODERATE INJURY	996 20.17%	179 20.57%	19 16.67%	14 16.28%	12 25.53%	104 20.27%	1,324
MINOR INJURY	2,490 50.44%	403 46.32%	39 34.21%	41 47.67%	16 34.04%	279 54.39%	3,268
NO INJURY	36 0.73%	9 1.03%	4 3.51%	1 1.16%	0 0.00%	0 0.00%	50
UNKNOWN INJURY	786 15.92%	153 17.59%	22 19.30%	16 18.60%	10 21.28%	80 15.59%	1,067
TOTAL	4,937 100.0%	870 100.0%	114 100.0%	86 100.0%	47 100.0%	513 100.0%	6,567

51

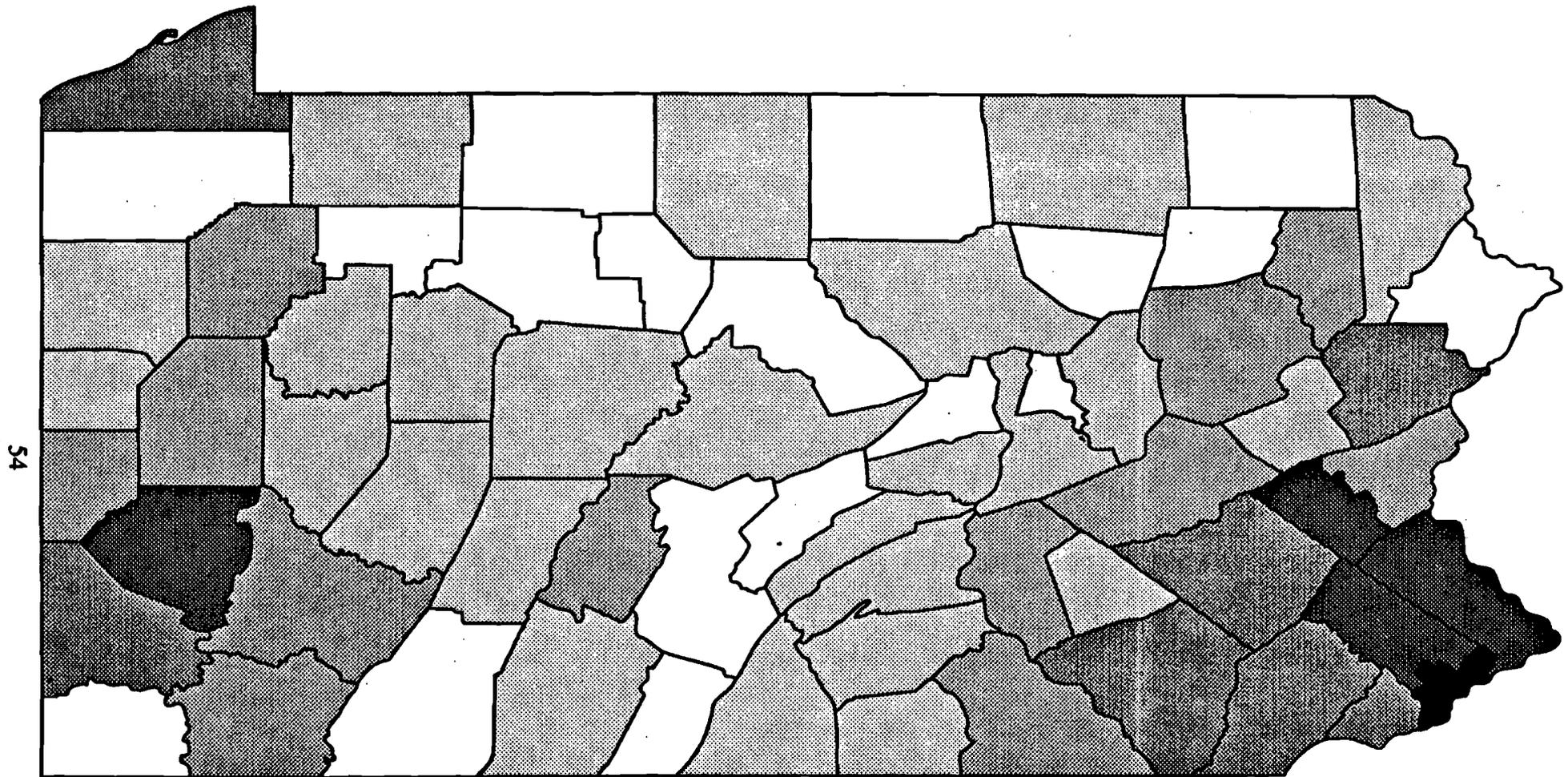
1991 PEDESTRIAN FATALITIES BY AGE GROUP

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	1	1	0	1	1.3
ALLEGHENY	1	0	1	7	7	16	0	16	1.2
ARMSTRONG	0	0	0	0	1	1	0	1	1.4
BEAVER	0	1	0	2	0	3	0	3	1.6
BEDFORD	0	0	0	0	1	1	0	1	2.1
BERKS	0	3	0	3	2	8	0	8	2.2
BLAIR	0	1	1	1	2	5	0	5	3.8
BRADFORD	0	0	1	0	0	1	0	1	1.6
BUCKS	0	1	0	9	3	13	0	13	2.4
BUTLER	1	0	0	1	1	3	0	3	2.0
CAMBRIA	0	0	0	0	2	2	0	2	1.2
CAMERON	0	0	0	0	0	0	0	0	0.0
CARBON	0	0	0	0	1	1	0	1	1.8
CENTRE	0	0	0	1	1	2	0	2	1.6
CHESTER	0	1	0	3	2	6	0	6	1.6
CLARION	0	0	0	0	2	2	0	2	4.8
CLEARFIELD	0	0	0	1	0	1	0	1	1.3
CLINTON	0	0	0	0	0	0	0	0	0.0
COLUMBIA	0	0	0	0	1	1	0	1	1.6
CRAWFORD	0	0	0	0	0	0	0	0	0.0
CUMBERLAND	0	0	0	1	0	1	0	1	0.5
DAUPHIN	0	0	0	4	1	5	0	5	2.1
DELAWARE	0	0	2	5	2	9	0	9	1.6
ELK	0	0	0	0	0	0	0	0	0.0
ERIE	0	1	1	3	1	6	0	6	2.2
FAYETTE	0	0	1	2	1	4	0	4	2.8
FOREST	0	0	0	0	0	0	0	0	0.0
FRANKLIN	0	1	0	1	0	2	0	2	1.7
FULTON	0	0	0	0	0	0	0	0	0.0
GREENE	0	0	0	0	0	0	0	0	0.0
HUNTINGDON	0	0	0	0	0	0	0	0	0.0
INDIANA	0	0	1	0	1	2	0	2	2.2
JEFFERSON	0	0	0	1	1	2	0	2	4.3
JUNIATA	0	0	0	0	1	1	0	1	4.8
LACKAWANNA	0	0	0	2	3	5	0	5	2.3
LANCASTER	0	0	0	3	6	9	0	9	2.1
LAWRENCE	0	0	0	1	0	1	0	1	1.0
LEBANON	0	0	0	1	0	1	0	1	0.9
LEHIGH	1	2	1	6	0	10	0	10	3.4
LUZERNE	0	0	0	2	3	5	0	5	1.5
LYCOMING	0	0	0	1	1	2	0	2	1.7
MCKEAN	0	0	0	0	0	0	0	0	0.0
MERCER	0	0	0	1	0	1	0	1	0.8
MIFFLIN	0	0	0	0	0	0	0	0	0.0
MONROE	0	0	0	6	1	7	0	7	7.3
MONTGOMERY	0	2	0	6	5	13	0	13	1.9
MONTOUR	0	0	0	0	0	0	0	0	0.0
NORTHAMPTON	1	0	0	1	2	4	0	4	1.6
NORTHUMBERLAND	0	0	0	2	0	2	0	2	2.1
PERRY	0	1	0	0	0	1	0	1	2.4
PIKE	0	0	0	0	0	0	0	0	0.0
POYTER	0	0	0	1	0	1	0	1	6.0
SCHUYLKILL	0	0	0	0	3	3	0	3	2.0
SNYDER	0	0	1	0	0	1	0	1	2.7
SOMERSET	0	0	0	0	0	0	0	0	0.0
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	2	1	0	1	4	0	4	6.7
WARREN	0	0	0	0	1	1	0	1	2.2
WASHINGTON	0	0	0	2	4	6	0	6	2.9
WAYNE	0	0	0	1	1	2	0	2	5.0
WESTMORELAND	0	0	0	3	1	4	0	4	1.1
WYOMING	0	0	0	0	0	0	0	0	0.0
YORK	0	0	0	2	3	5	0	5	1.5
PHILADELPHIA	2	3	2	25	15	47	0	47	3.0
TOTAL	6	19	13	111	85	234	0	234	2.0

1991 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	2	3	3	8	3	19	0	19	24.3
ALLEGHENY	25	112	68	306	123	634	23	657	49.2
ARMSTRONG	2	0	3	6	2	13	0	13	17.7
BEAVER	2	5	8	17	7	39	1	40	21.5
BEDFORD	0	2	2	4	0	8	0	8	16.7
BERKS	18	39	24	82	25	188	5	193	52.7
BLAIR	2	6	6	26	5	45	0	45	34.5
BRADFORD	0	4	1	3	2	10	0	10	16.4
BUCKS	7	12	21	78	13	131	3	134	24.8
BUTLER	1	6	12	32	0	51	0	51	33.5
CAMBRIA	1	5	4	21	8	39	3	42	25.8
CAMERON	0	0	0	3	1	4	0	4	67.6
CARBON	0	1	1	5	2	9	0	9	15.8
CENTRE	2	1	1	24	4	32	3	35	28.3
CHESTER	6	19	12	60	8	105	0	105	27.9
CLARION	0	0	1	7	0	8	0	8	19.2
CLEARFIELD	0	2	4	9	1	16	1	17	21.8
CLINTON	0	2	3	4	2	11	0	11	29.6
COLUMBIA	2	3	1	13	4	23	0	23	36.4
CRAWFORD	0	3	5	12	2	22	0	22	25.5
CUMBERLAND	2	7	4	24	10	47	0	47	24.1
DAUPHIN	9	26	15	66	13	129	2	131	55.1
DELAWARE	21	72	28	114	38	273	13	286	52.2
ELK	0	7	0	7	4	18	0	18	51.6
ERIE	11	35	17	65	12	140	2	142	51.5
FAYETTE	4	8	2	22	4	40	3	43	29.6
FOREST	0	0	1	0	0	1	0	1	20.8
FRANKLIN	2	5	5	22	4	38	0	38	31.4
FULTON	0	0	0	2	1	3	1	4	28.9
GREENE	1	2	1	5	0	9	0	9	22.8
HUNTINGDON	0	0	3	6	2	11	0	11	24.9
INDIANA	0	3	3	15	3	24	2	26	28.9
JEFFERSON	3	1	1	4	3	12	0	12	26.0
JUNIATA	1	0	0	1	0	2	0	2	9.7
LACKAWANNA	6	16	16	38	23	99	8	107	48.8
LANCASTER	11	35	14	66	18	144	2	146	34.5
LAWRENCE	1	7	5	18	5	36	0	36	37.4
LEBANON	4	8	7	11	5	35	2	37	32.5
LEHIGH	12	31	28	72	17	160	13	173	59.4
LUZERNE	3	17	19	64	19	122	6	128	39.0
LYCOMING	3	16	7	24	5	55	2	57	48.0
McKEAN	2	1	0	5	0	8	0	8	17.0
MERCER	2	4	3	19	3	31	2	33	27.3
MIFFLIN	2	4	4	6	3	19	0	19	41.1
MONROE	0	3	6	11	2	22	2	24	25.1
MONTGOMERY	7	26	21	112	26	192	6	198	29.2
MONTOUR	0	0	1	3	0	4	0	4	22.6
NORTHAMPTON	6	19	16	38	11	90	4	94	38.0
NORTHUMBERLAND	2	2	3	3	1	11	0	11	11.4
PERRY	0	1	0	1	2	4	0	4	9.7
PIKE	0	0	1	1	1	3	0	3	10.7
POTTER	0	0	2	4	0	6	0	6	35.9
SCHUYLKILL	1	8	9	14	12	44	3	47	30.8
SNYDER	0	1	1	2	2	6	0	6	16.4
SOMERSET	1	1	3	6	4	15	0	15	19.2
SULLIVAN	0	0	0	2	0	2	0	2	32.8
SUSQUEHANNA	0	1	0	3	0	4	0	4	9.9
TIOGA	1	1	0	0	4	6	0	6	14.6
UNION	0	0	1	3	0	4	0	4	11.1
VENANGO	2	1	6	4	4	17	0	17	28.6
WARREN	0	3	2	4	2	11	0	11	24.4
WASHINGTON	2	8	3	8	11	32	0	32	15.6
WAYNE	0	2	2	1	3	8	0	8	20.0
WESTMORELAND	7	16	19	39	15	96	3	99	26.7
WYOMING	0	0	1	1	0	2	0	2	7.1
YORK	21	42	21	54	14	152	1	153	45.1
PHILADELPHIA	195	484	339	1,216	242	2,476	97	2,573	162.3
TOTAL	415	1,149	820	2,926	760	6,070	213	6,283	52.9

1991 PEDESTRIAN FATALITIES



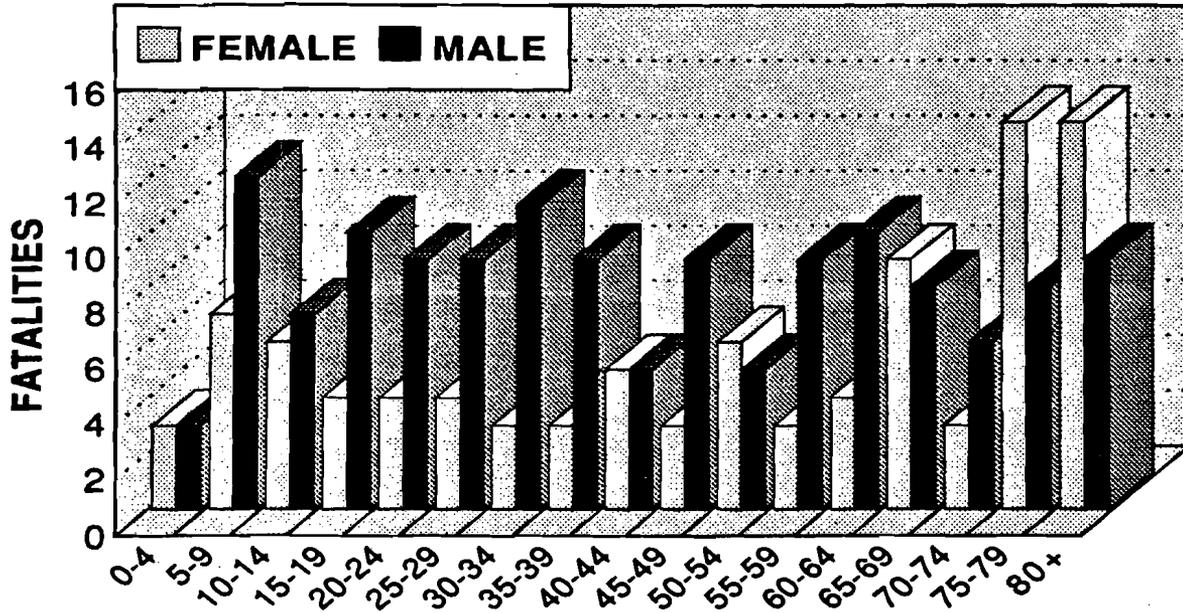
FATALITIES

NONE
5 - 8

1 - 2
10 - 15

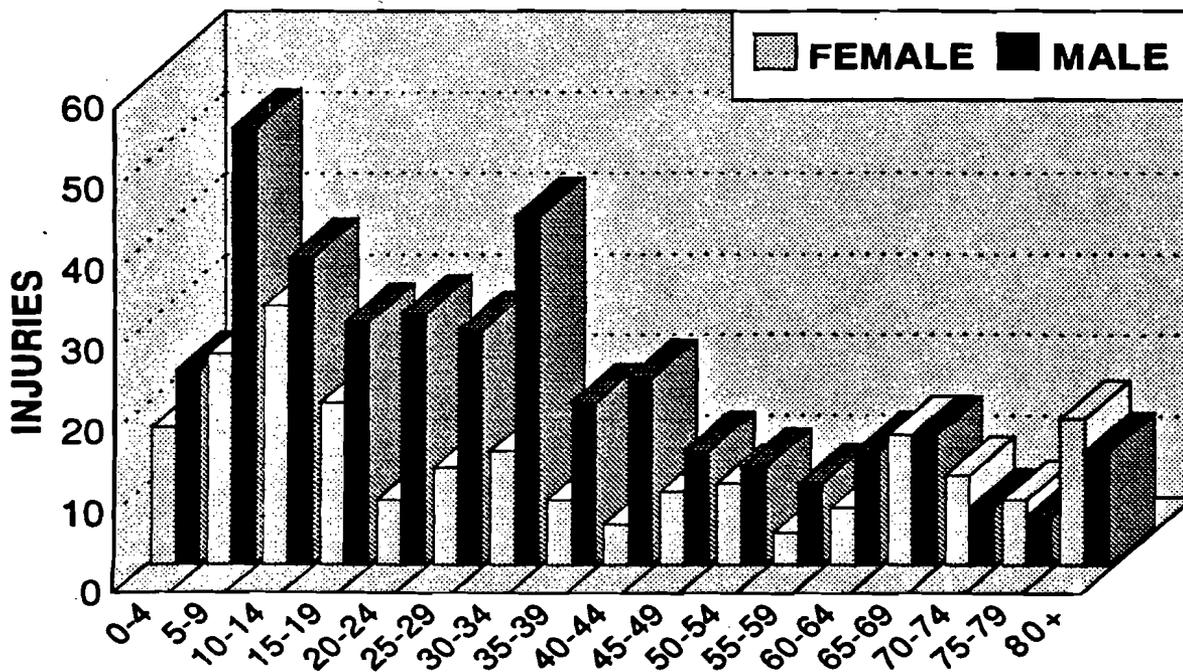
3 - 4
OVER 20

1991 PEDESTRIAN FATALITIES DISTRIBUTION BY AGE AND SEX*



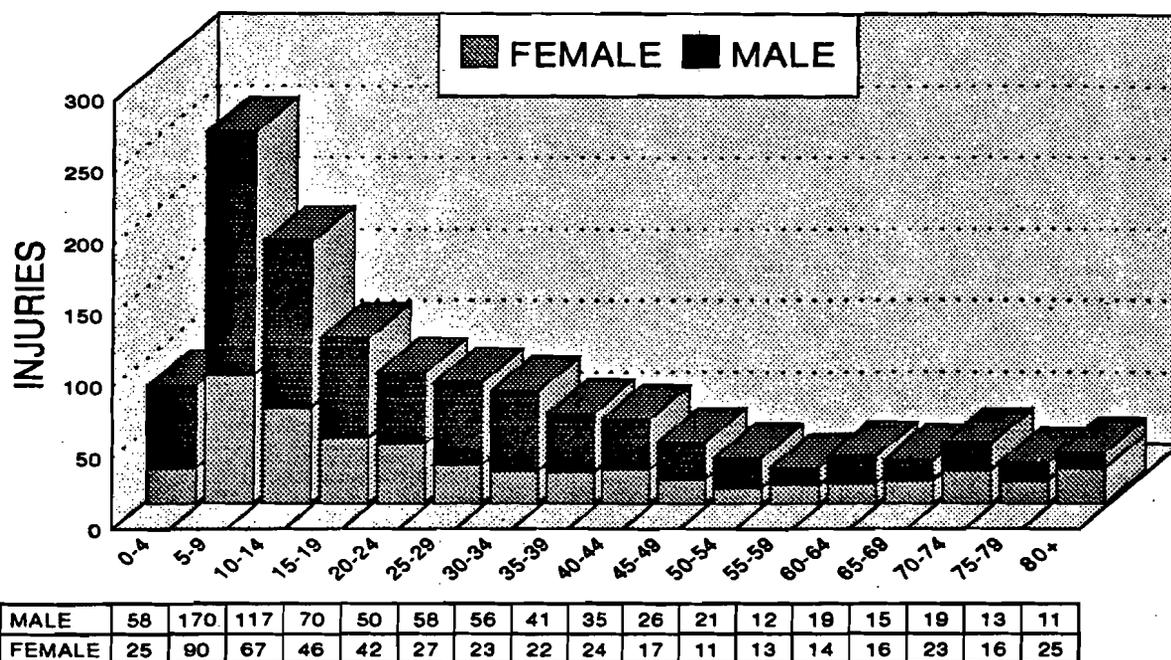
*For known age and sex

1991 PEDESTRIANS WITH MAJOR INJURIES DISTRIBUTION BY AGE AND SEX*



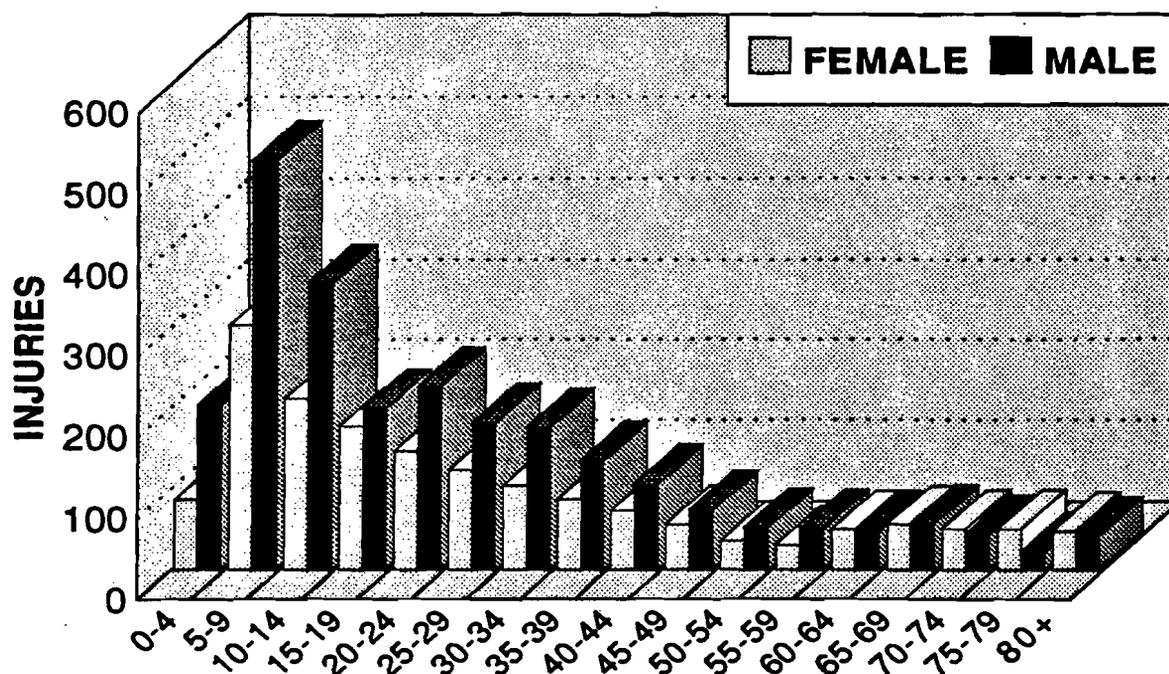
*For known age and sex

1991 PEDESTRIANS WITH MODERATE INJURIES DISTRIBUTION BY AGE AND SEX*



*For known age and sex

1991 PEDESTRIANS WITH MINOR INJURIES DISTRIBUTION BY AGE AND SEX*

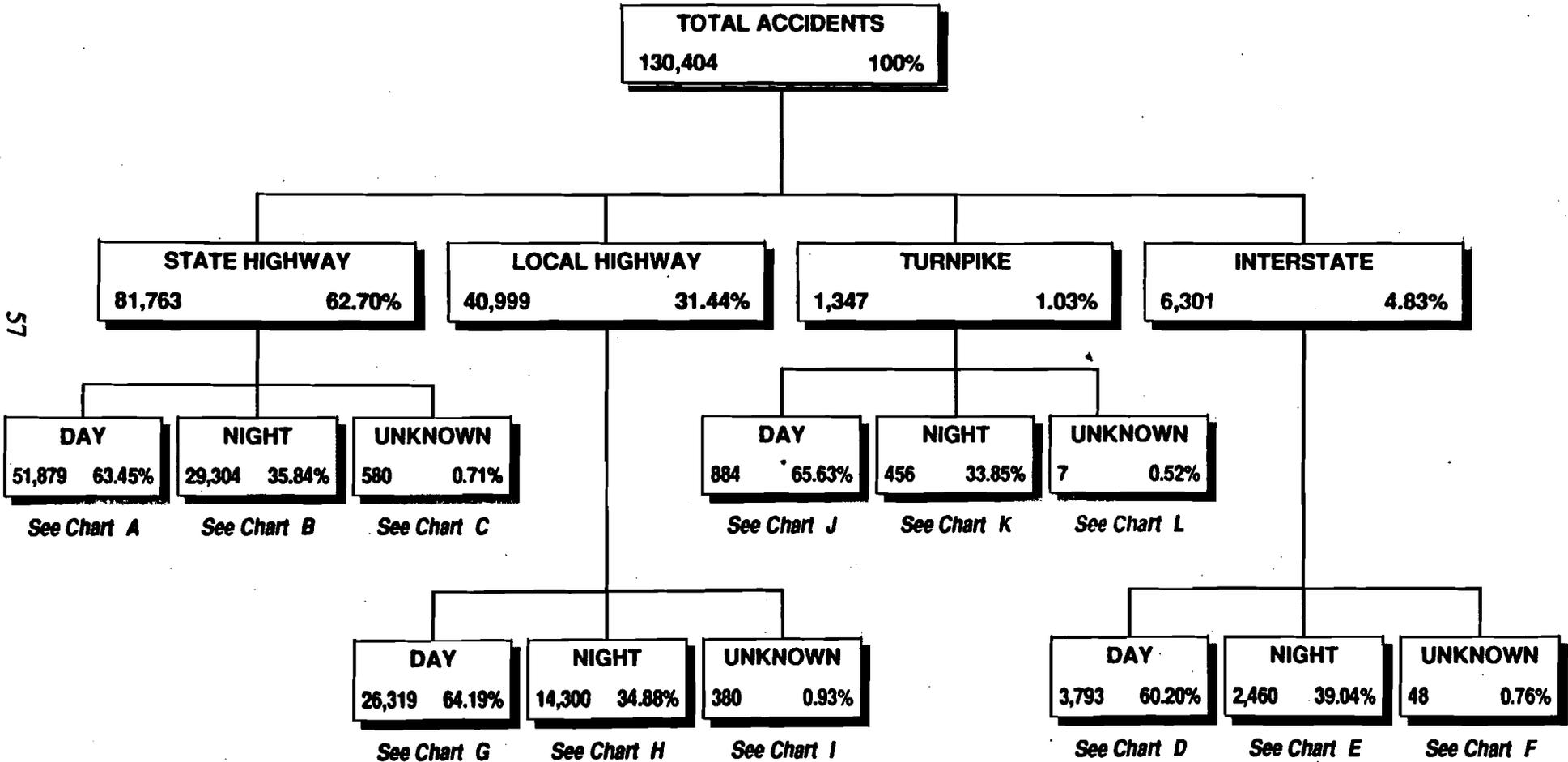


*For known age and sex

VIII. A General Accident Characteristics

1991 ACCIDENTS BY ROAD TYPE BY ILLUMINATION

57



1991

STATE HIGHWAY

CHART A

DAY	
51,879	63.45%

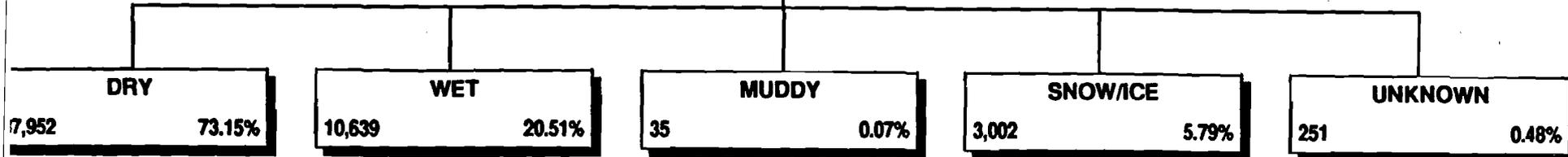


CHART B

NIGHT	
29,304	35.84%

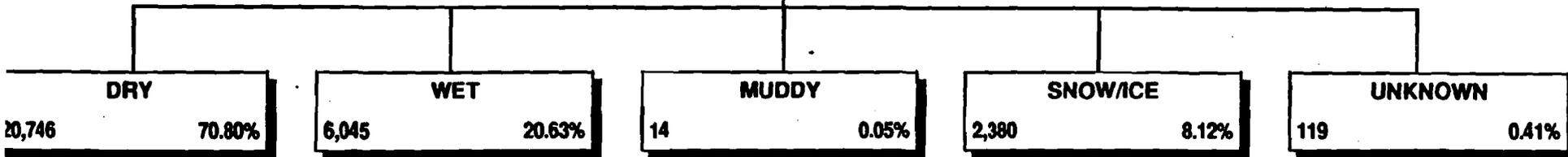
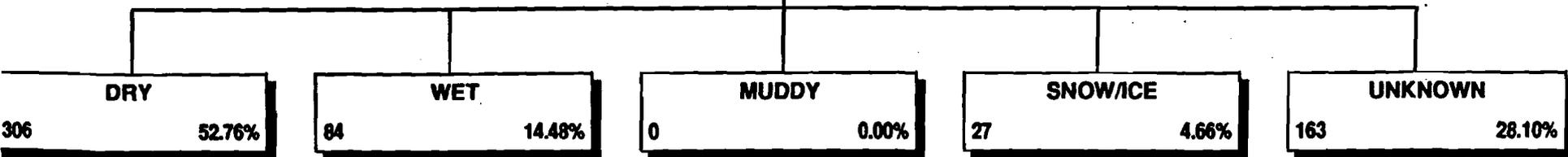


CHART C

UNKNOWN	
580	0.71%



58

1991

INTERSTATE

CHART D

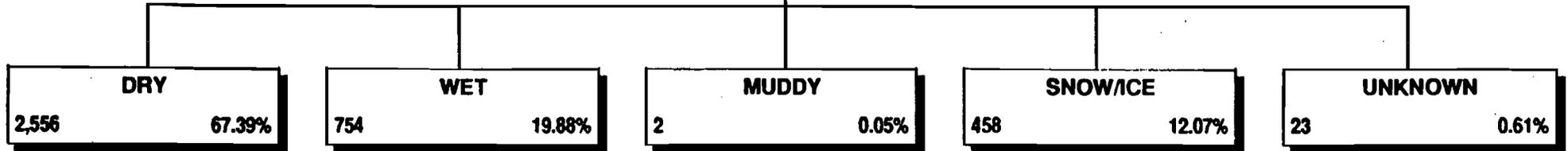


CHART E

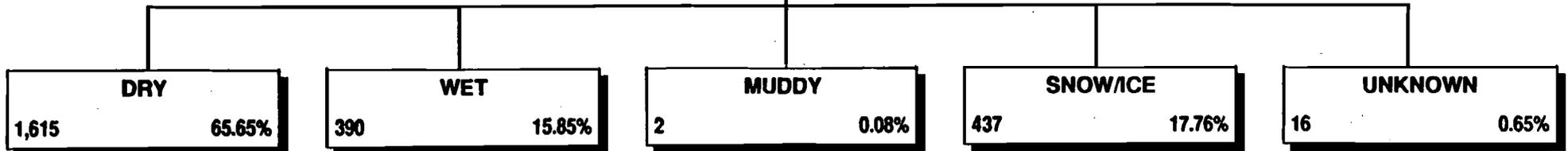
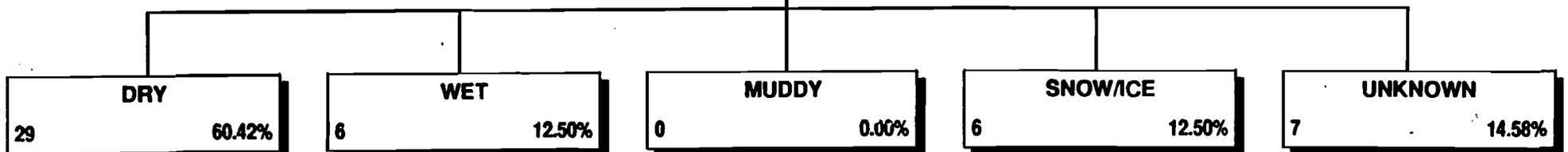


CHART F



59

1991

LOCAL HIGHWAY

CHART G

DAY	
26,319	64.19%

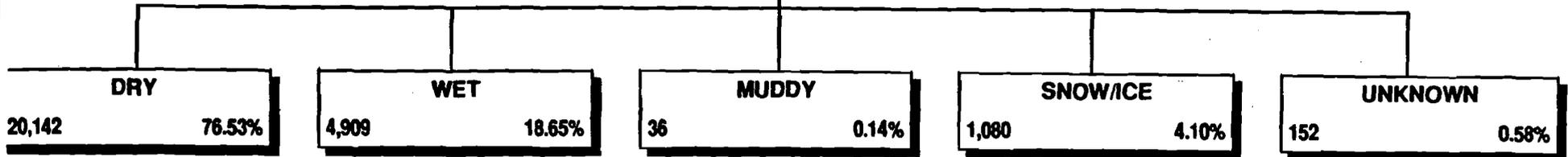


CHART H

NIGHT	
14,300	34.88%

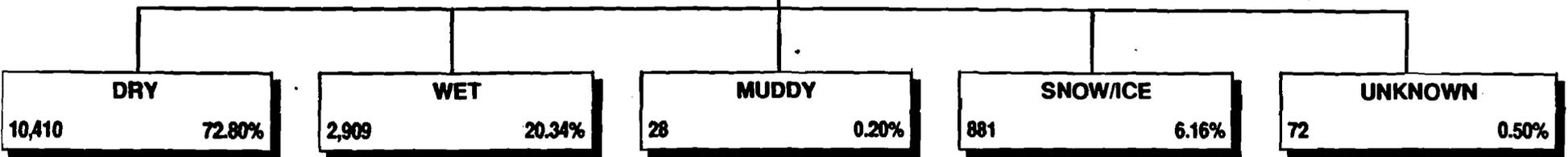
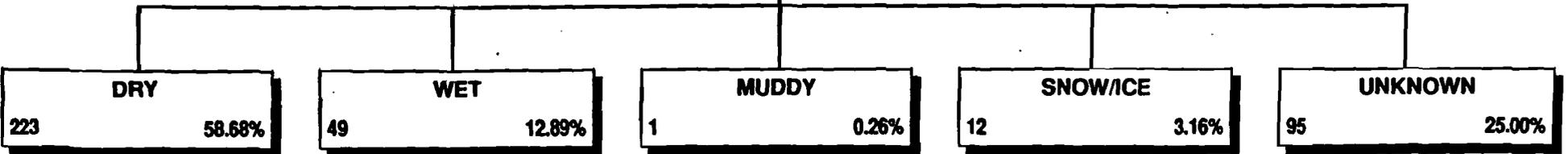


CHART I

UNKNOWN	
380	0.93%



09

1991

TURNPIKE

CHART J

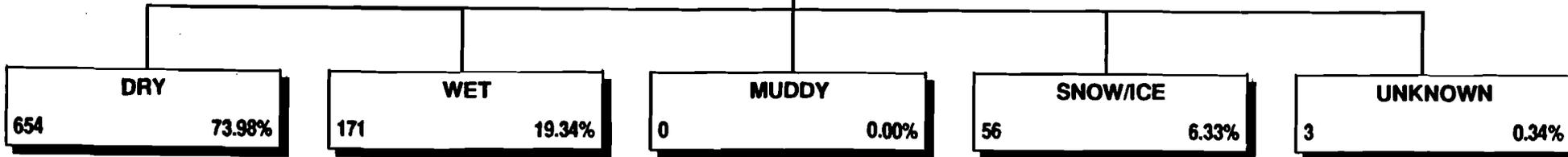


CHART K

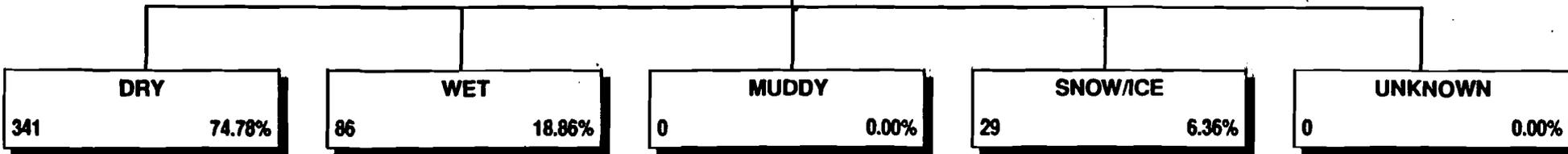
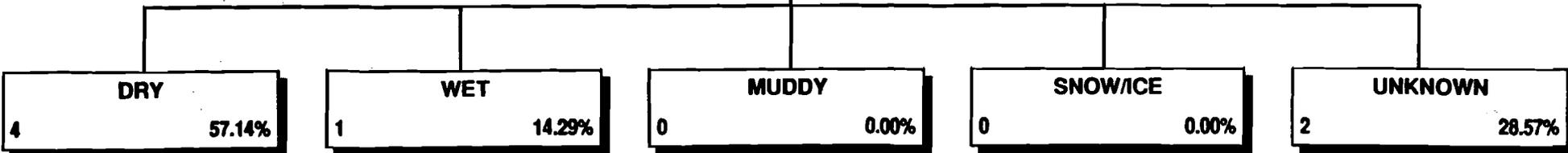


CHART L

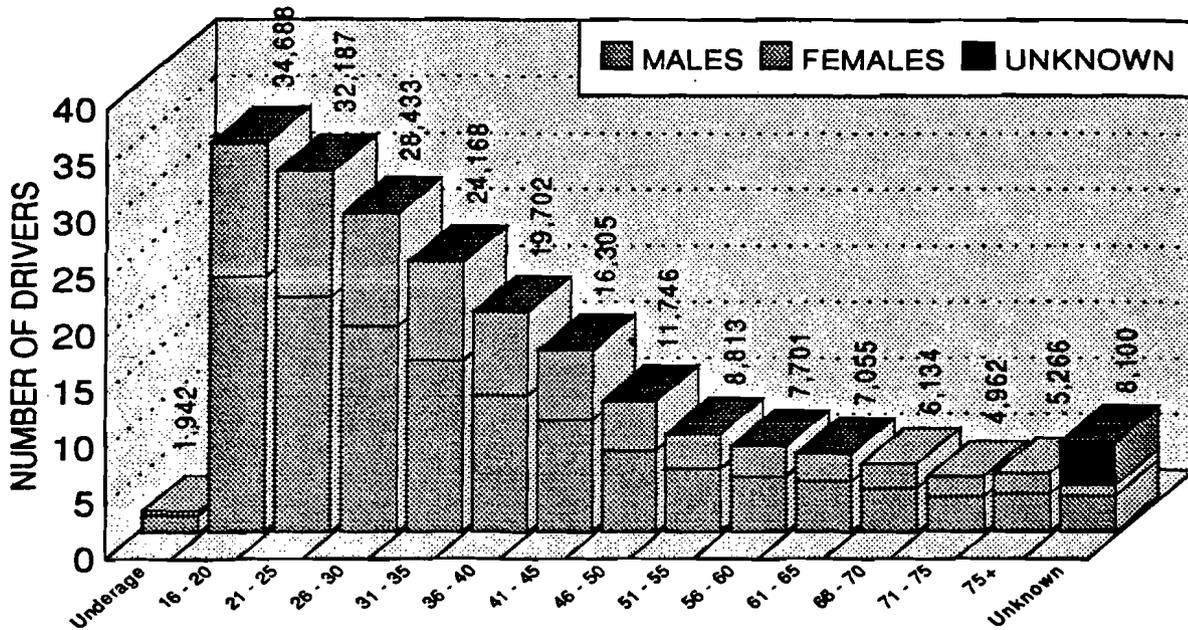


61

DRIVERS INVOLVEMENT IN ACCIDENTS

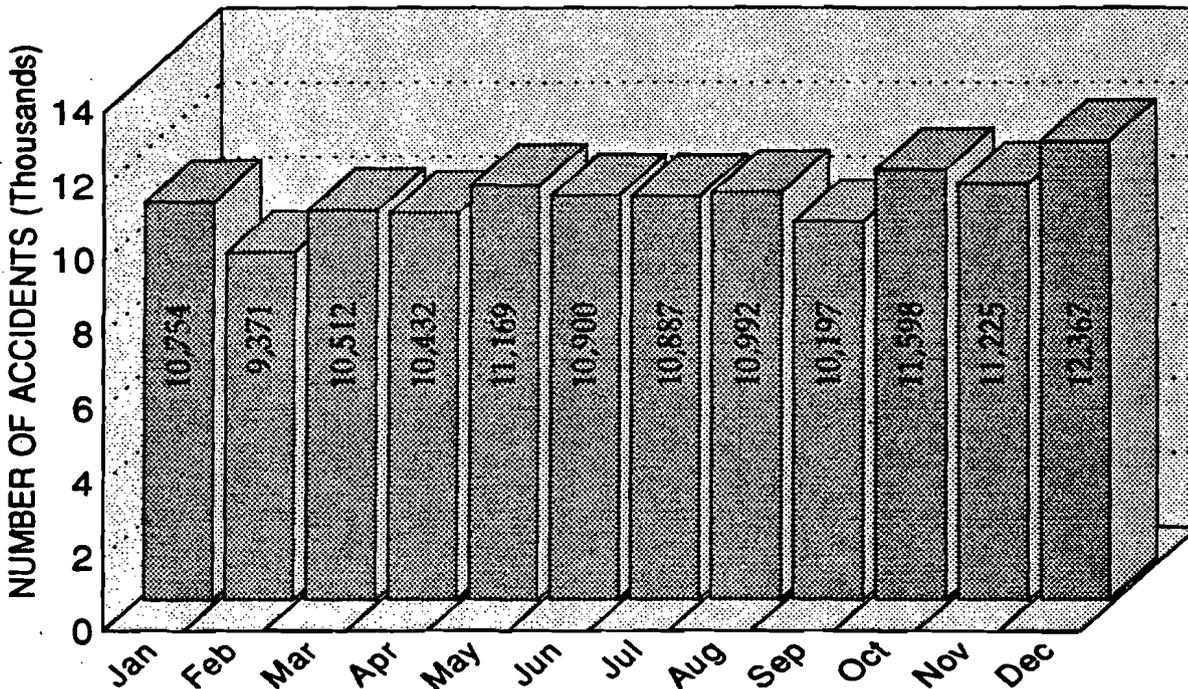
BY AGE AND SEX

1991 ACCIDENTS

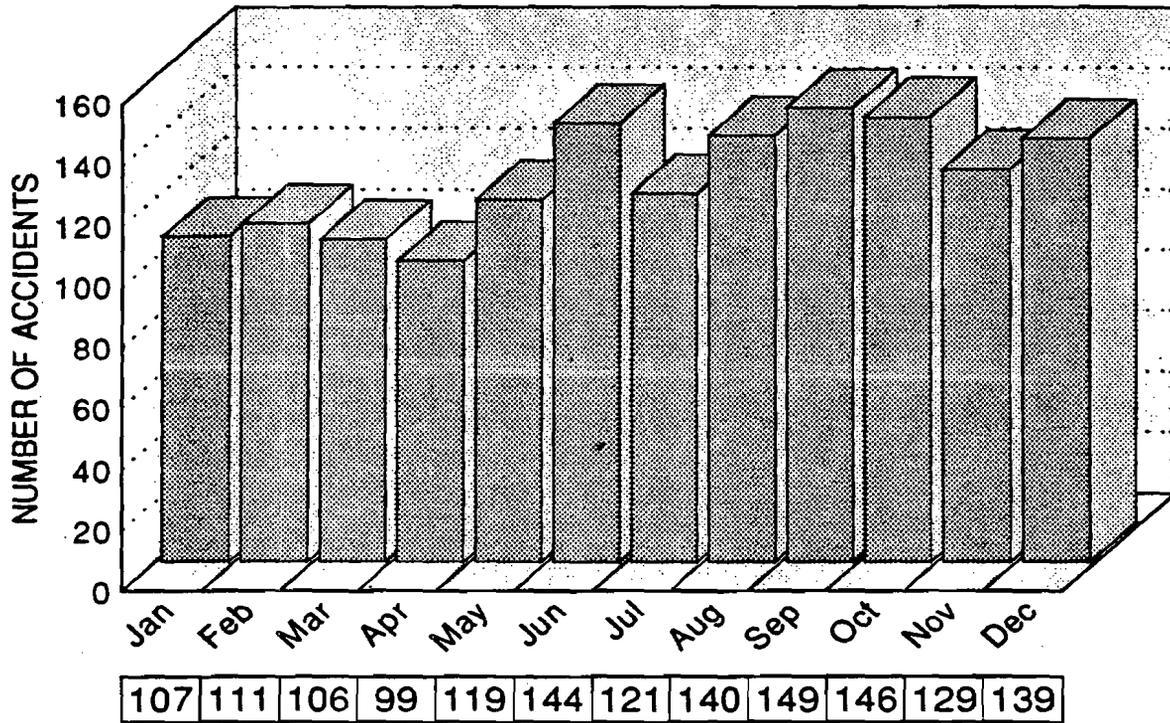


1991 TOTAL ACCIDENTS

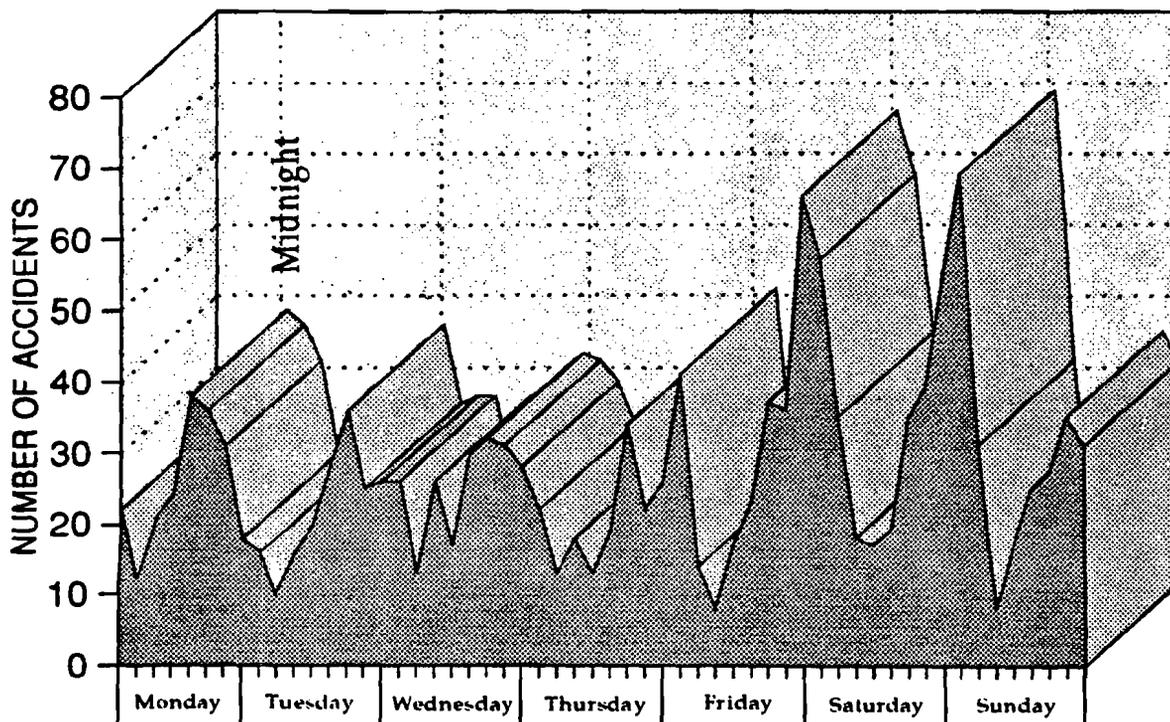
BY MONTH



1991 FATAL ACCIDENTS BY MONTH



1991 FATAL ACCIDENTS BY DAY BY HOUR



1991 HOLIDAY ACCIDENTS

PERIOD	ACCIDENT SEVERITY			PERSONS KILLED	PERSONS INJURED	TOTAL ACCIDENTS
	FATAL ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS			
NEW YEARS	3	220	140	4	328	363
POST NEW YEAR*	4	219	146	4	352	369
PRE-MEMORIAL*	17	820	339	18	1,257	1,176
MEMORIAL DAY	19	797	313	23	1,334	1,129
POST-MEMORIAL	20	709	359	22	1,117	1,088
PRE-FOURTH*	6	320	123	7	462	449
FOURTH OF JULY	3	313	112	3	530	428
POST-FOURTH*	5	290	136	5	433	431
PRE-LABOR*	13	745	321	14	1,184	1,079
LABOR DAY	19	716	327	24	1,204	1,062
POST-LABOR*	16	711	314	17	1,110	1,041
PRE-THANKSGIVING*	21	1,364	733	21	2,100	2,118
THANKSGIVING	14	1,049	570	17	1,674	1,633
POST-THANKSGIVING*	20	994	610	22	1,591	1,624
PRE-CHRISTMAS*	6	321	194	6	483	521
CHRISTMAS	6	174	111	6	283	291
TOTALS	192	9,762	4,848	213	15,442	14,802

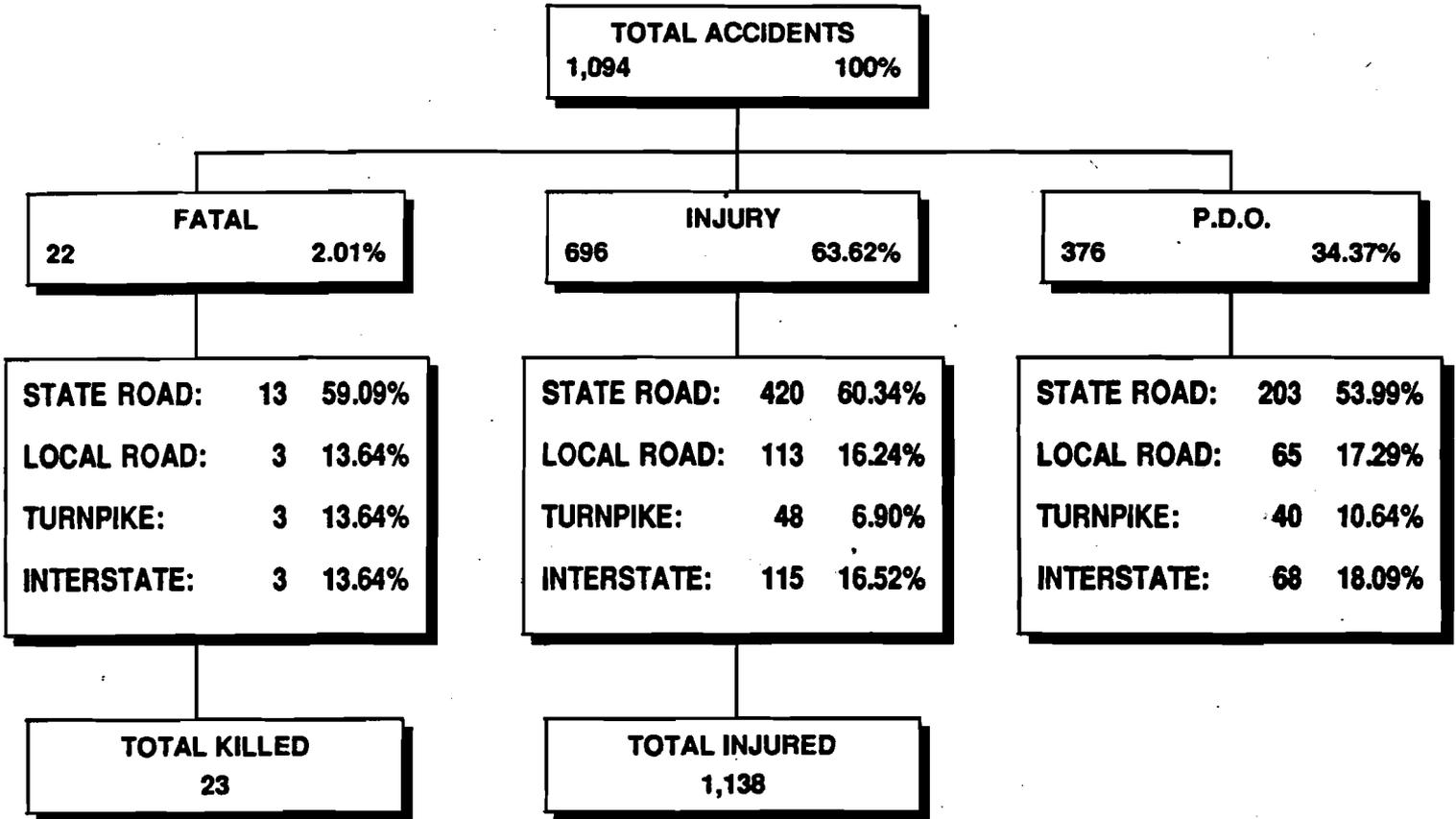
* SEE DEFINITIONS UNDER HOLIDAYS FOR EXPLANATION OF PRE AND POST PERIODS.

1991 ALCOHOL RELATED HOLIDAY ACCIDENTS

PERIOD	ACCIDENT SEVERITY			PERSONS KILLED	PERSONS INJURED	TOTAL ACCIDENTS
	FATAL ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS			
NEW YEARS	3	67	20	4	98	90
POST NEW YEAR*	0	17	12	0	21	29
PRE-MEMORIAL*	7	123	53	7	197	183
MEMORIAL DAY	12	130	34	13	209	176
POST-MEMORIAL	11	95	41	12	160	147
PRE-FOURTH*	2	33	9	2	50	44
FOURTH OF JULY	2	54	12	2	85	68
POST-FOURTH*	1	29	10	1	40	40
PRE-LABOR*	4	116	48	5	187	168
LABOR DAY	13	132	49	18	215	194
POST-LABOR*	8	109	49	9	176	166
PRE-THANKSGIVING*	10	158	61	10	244	229
THANKSGIVING	6	152	58	7	229	216
POST-THANKSGIVING*	5	139	55	6	229	199
PRE-CHRISTMAS*	2	25	15	2	42	42
CHRISTMAS	2	44	26	2	71	72
TOTALS	88	1,423	552	100	2,253	2,063

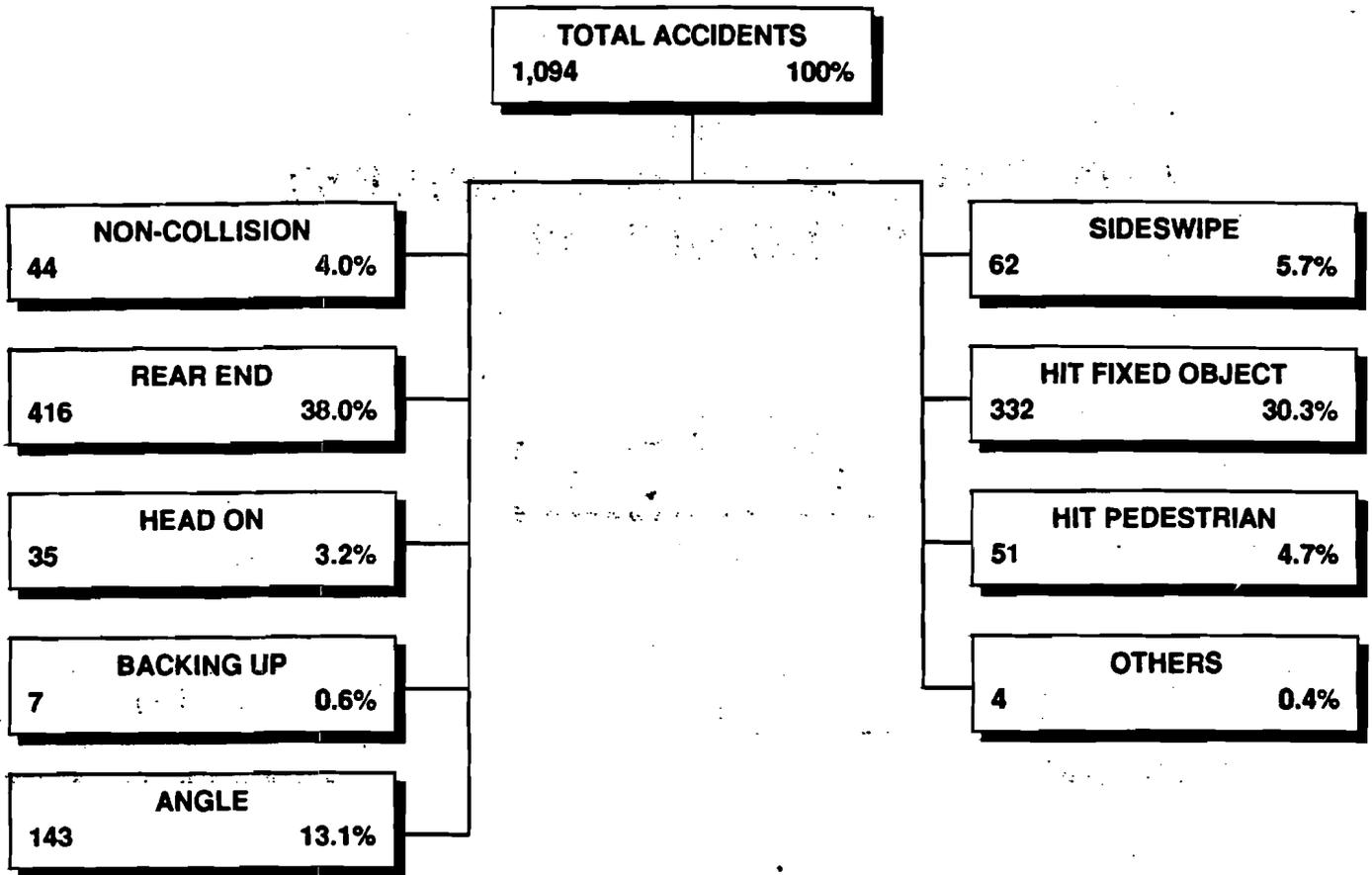
* SEE DEFINITIONS UNDER HOLIDAYS FOR EXPLANATION OF PRE AND POST PERIODS.

1991 CONSTRUCTION ZONE ACCIDENTS

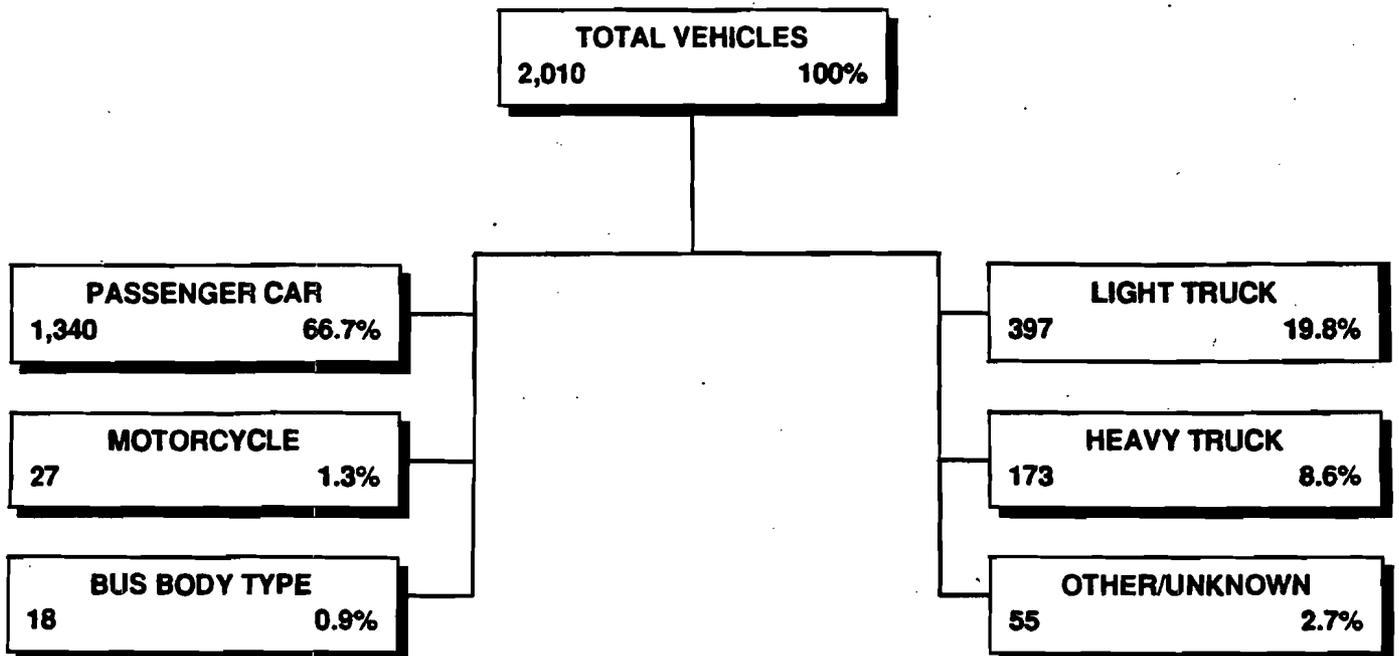


PEDESTRIAN WORKMEN KILLED: 4
PEDESTRIAN WORKMEN INJURED: 28

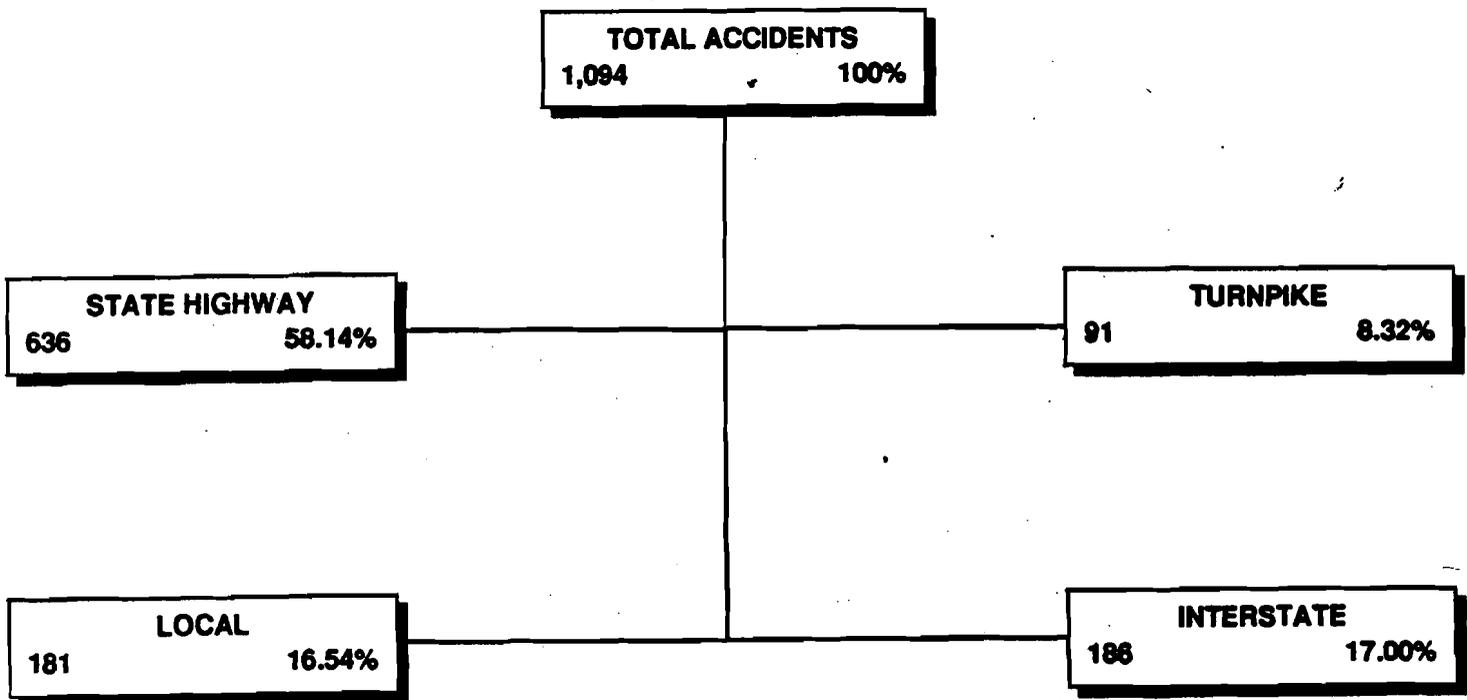
1991 CONSTRUCTION ZONE ACCIDENTS ACCIDENT TYPE



1991 VEHICLE INVOLVEMENT IN CONSTRUCTION ZONE ACCIDENTS



1991 CONSTRUCTION ZONE ACCIDENTS BY ROAD TYPE



VIII.B Driver Characteristics

1991 DRIVER ACCIDENT INVOLVEMENT BY SEVERITY BY DRIVER LICENSE

**TOTAL NUMBER OF DRIVERS
INVOLVED IN AN ACCIDENT**
217,205 100%

**INVOLVED IN FATAL
ACCIDENTS**
2,273 1.05%

**INVOLVED IN INJURY
ACCIDENTS**
146,013 67.22%

**INVOLVED IN P.D.O.
ACCIDENTS**
68,919 31.73%

**PENNSYLVANIA
LICENSE**
1,900 83.59%

**UNDER 16 OR
NO LICENSE**
47 1.49%

**OTHER U.S.
LICENSE**
262 11.53%

**NOT
APPLICABLE**
28 1.23%

**UNKNOWN
LICENSE**
23 0.30%

FOREIGN
13 0.57%

**PENNSYLVANIA
LICENSE**
122,936 84.20%

**UNDER 16 OR
NO LICENSE**
2,359 1.62%

**OTHER U.S.
LICENSE**
11,764 8.06%

**NOT
APPLICABLE**
2,795 1.91%

**UNKNOWN
LICENSE**
5,889 4.03%

FOREIGN
270 0.18%

**PENNSYLVANIA
LICENSE**
59,702 86.63%

**UNDER 16 OR
NO LICENSE**
745 1.08%

**OTHER U.S.
LICENSE**
6,407 9.30%

**NOT
APPLICABLE**
53 0.08%

**UNKNOWN
LICENSE**
1,848 2.68%

FOREIGN
164 0.24%

69

1991 TRAFFIC ACCIDENTS INVOLVEMENT OF 16 TO 21 YEAR OLD DRIVERS IN:

ALL ACCIDENTS

AGE	FATAL	INJURY	PDO	TOTAL
16	42	3,366	2,059	5,467
17	45	4,344	2,497	6,886
18	68	4,640	2,548	7,256
19	74	4,816	2,534	7,424
20	84	5,048	2,523	7,655
21	83	4,847	2,494	7,424

ALCOHOL RELATED ACCIDENTS

AGE	FATAL	INJURY	PDO	TOTAL
16	3	103	22	128
17	12	217	72	301
18	28	358	133	519
19	39	444	158	641
20	40	526	189	755
21	44	696	252	992

1991 DRIVERS IN ACCIDENTS

AGE GROUP	ACCIDENT SEVERITY						ALL DRIVERS
	FATAL	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	UNKNOWN INJURY	PDO	
Under 16	14	137	368	1,059	240	124	1,942
16-20	313	1,237	3,998	13,854	3,125	12,161	34,688
21-24	307	1,021	3,157	10,300	2,674	8,860	26,319
26-59	1,256	4,283	13,730	50,272	13,269	38,341	121,151
60 and Older	359	796	2,810	10,632	2,990	7,418	25,005
Unknown Age	24	230	795	3,206	1,830	2,015	8,100
TOTAL	2,273	7,704	24,858	89,323	24,128	68,919	217,205

1991 DRIVERS IN ALCOHOL-RELATED ACCIDENTS

AGE GROUP	ACCIDENT SEVERITY						ALL DRIVERS
	FATAL	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	UNKNOWN INJURY	PDO	
Under 16	0	3	8	11	7	3	32
16-20	122	222	444	818	164	574	2,344
21-24	160	312	650	1,074	258	876	3,330
26-59	478	1,045	2,221	4,142	1,016	3,174	12,076
60 and Older	60	70	141	354	83	201	909
Unknown Age	3	16	32	63	49	69	232
TOTAL	823	1,668	3,496	6,462	1,577	4,897	18,923

1991

PERSONS AGE 17 AND 18 KILLED IN TRAFFIC ACCIDENTS

YEAR	17-YEAR OLDS			18-YEAR OLDS			TOTAL		
	MALE	FEMALE	ALL	MALE	FEMALE	ALL	MALE	FEMALE	ALL
1987	43	16	59	48	19	67	91	35	126
1988	30	21	51	48	16	64	78	37	115
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
TOTALS	157	80	237	217	82	299	374	162	536

● Between 1987 and 1991, there were 536 persons age 17 and 18 killed in traffic accidents (5.88% of total fatalities.)

338 (63.1%) - of those killed were drivers

175 (32.6%) - were passengers

16 (3.0%) - were pedestrians, 2 of whom had been drinking

7 (1.3%) - were unknown

● 226 or 42.2% were killed in alcohol-related accidents, 128 of which were 17- and 18-year old drivers using alcohol.

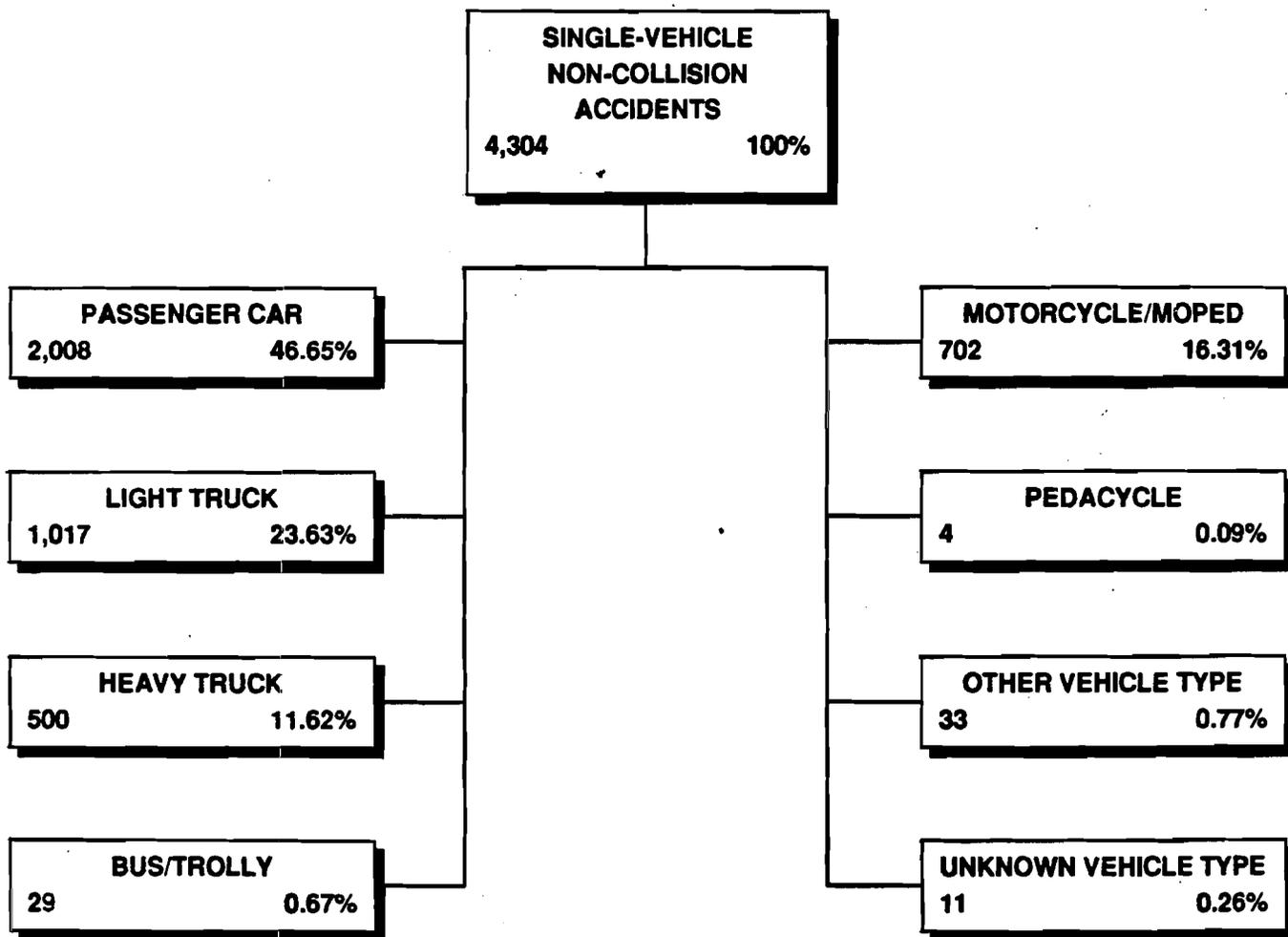
● Only 62 (13.0%) of the 470 fatalities in cars and trucks were wearing safety belts.

● Only 27 (56.3%) of the 48 fatalities on motorcycles were wearing helmets.

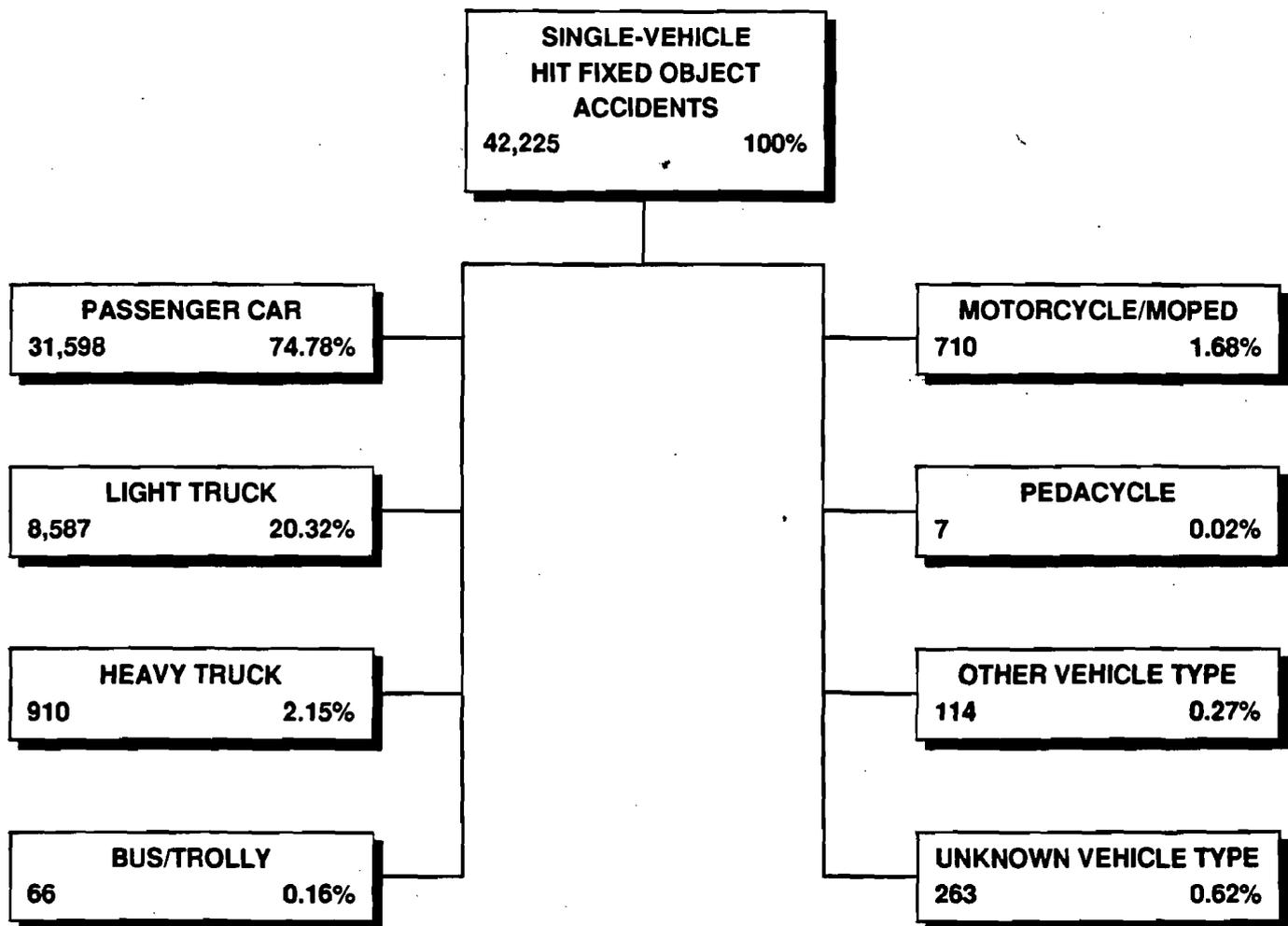
● 221 (41.2%) of the 17- and 18-year-old fatalities were involved with vehicles traveling over the posted speed limit.

VIII. C Vehicle Characteristics

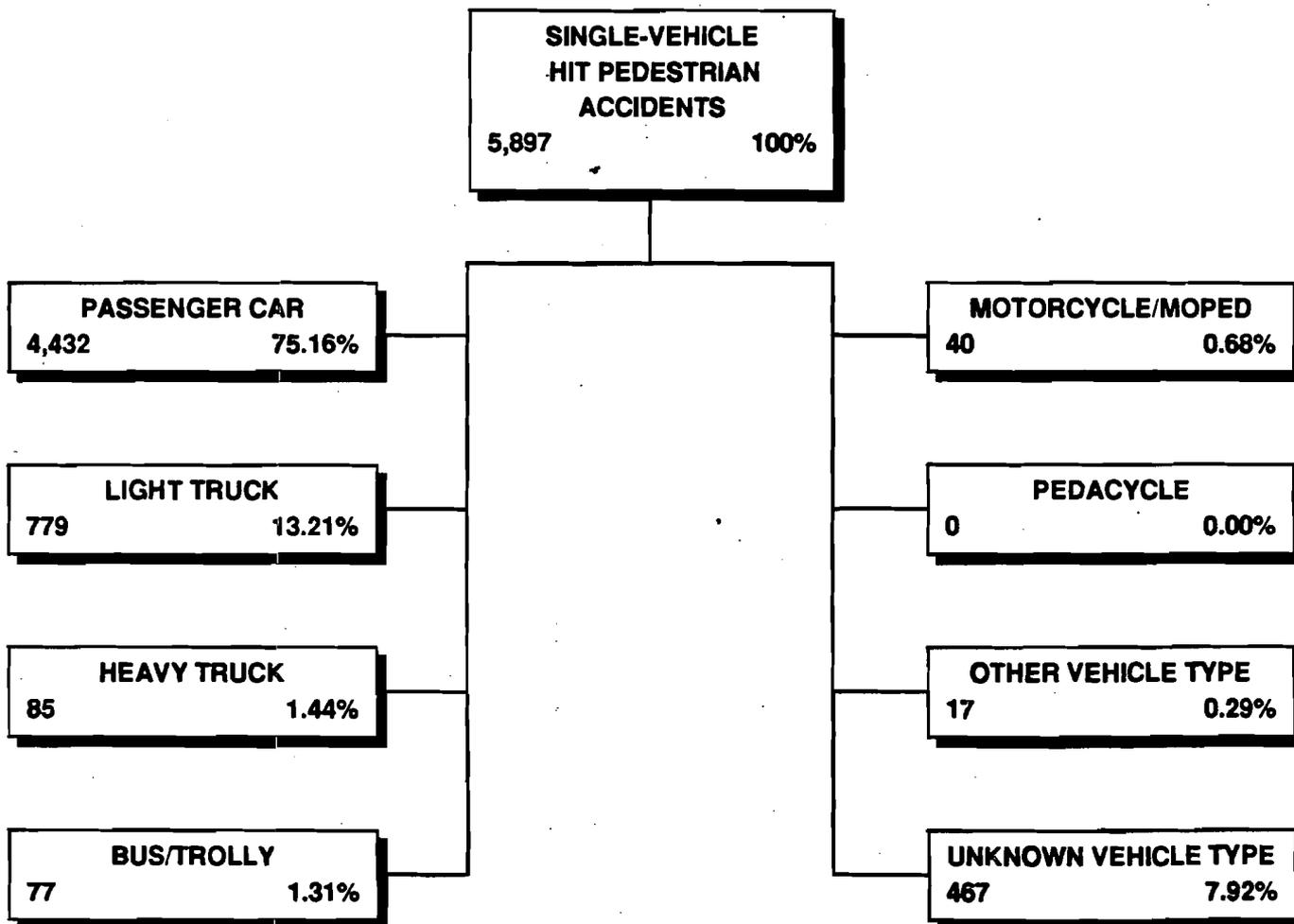
1991 SINGLE VEHICLE NON-COLLISION ACCIDENTS



1991 SINGLE VEHICLE HIT FIXED OBJECT ACCIDENTS



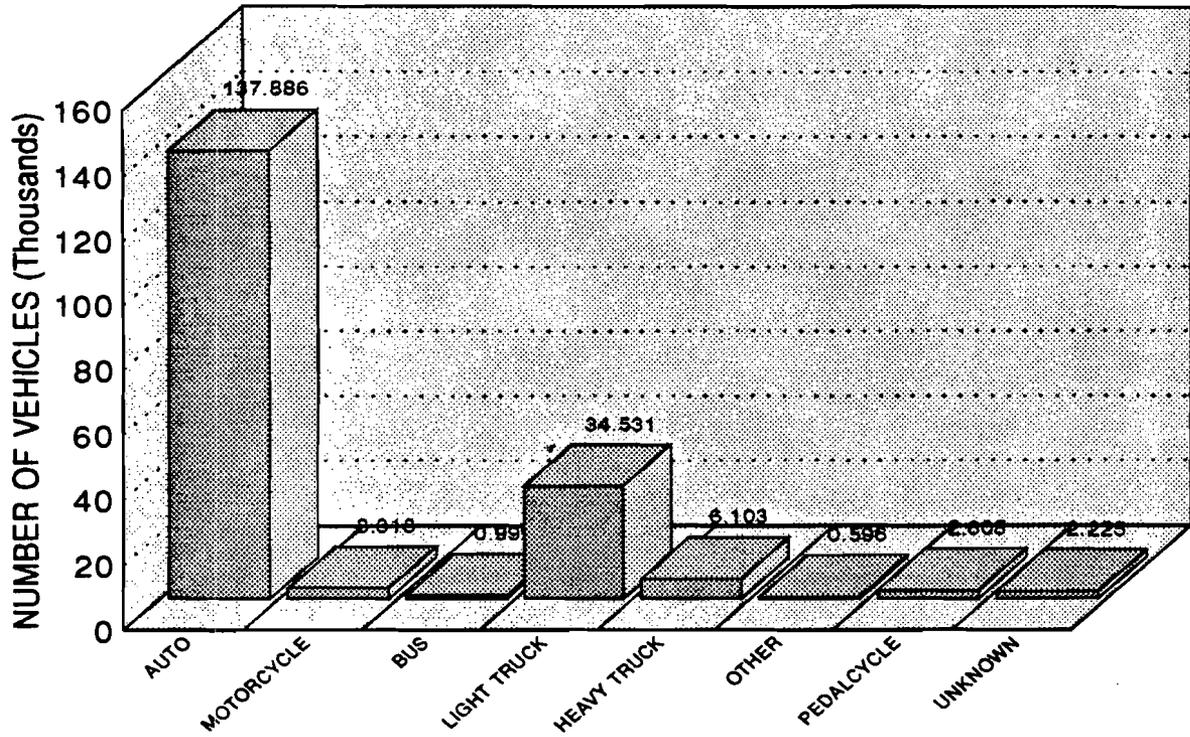
1991 SINGLE VEHICLE HIT PEDESTRIAN ACCIDENTS



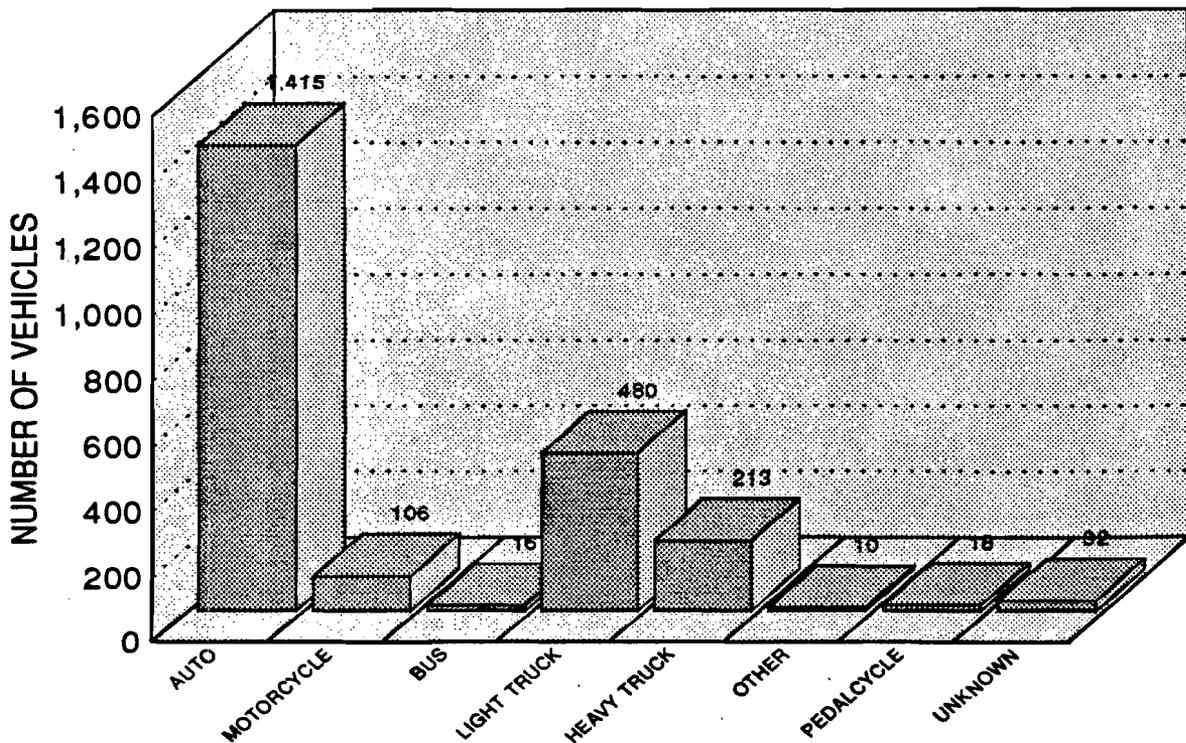
1991 TWO VEHICLE COLLISIONS

VEHICLE STRUCK / STRIKING VEHICLE	CAR	LIGHT TRUCK	HEAVY TRUCK	BUS/ TROLLEY	MOTORCYCLE/ MOPED	OTHER/ UNKNOWN	TOTAL ACCIDENTS
CAR	36,557	8,380	1,467	231	837	1,632	49,104
LIGHT TRUCK	8,707	2,277	329	44	220	328	11,905
HEAVY TRUCK	1,568	481	271	5	23	28	2,376
BUS/ TROLLEY	371	84	19	14	5	20	513
MOTORCYCLE/ MOPED	395	112	10	3	34	21	575
OTHER/ UNKNOWN	1,629	356	27	10	42	188	2,252
TOTAL ACCIDENTS	49,227	11,690	2,123	307	1,161	2,217	66,725

1991 VEHICLE INVOLVEMENT IN ACCIDENTS



1991 VEHICLE INVOLVEMENT IN FATAL ACCIDENTS



1991 PASSENGER CAR ACCIDENTS

ALL ACCIDENTS

FATAL ACCIDENTS

Vehicle Registration:

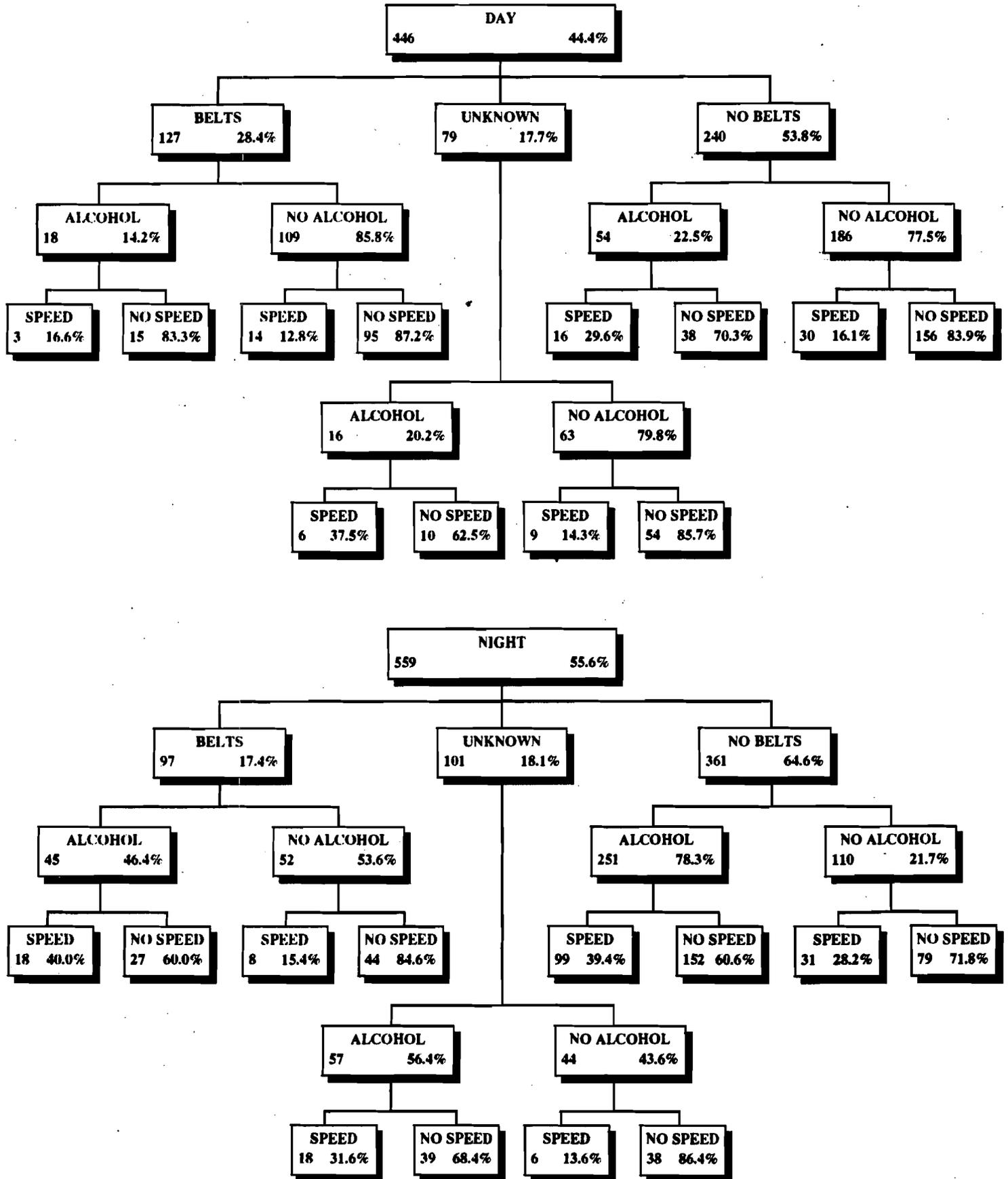
Pennsylvania	126,086	(91.44%)		1,107	(90.37%)
Out of State.....	10,233	(7.42%)		116	(9.47%)
Not Applicable/Unknown.....	1,567	(1.14%)		2	(0.16%)

Driver License:

Pennsylvania	120,343	(87.28%)		1,066	(87.02%)
Out of State.....	10,859	(7.88%)		114	(9.31%)
No license	2,406	(1.74%)		31	(2.53%)
Not Applicable/Unknown.....	4,278	(3.10%)		14	(1.14%)

1991 PASSENGER CAR FATALITIES*

1,005 100%



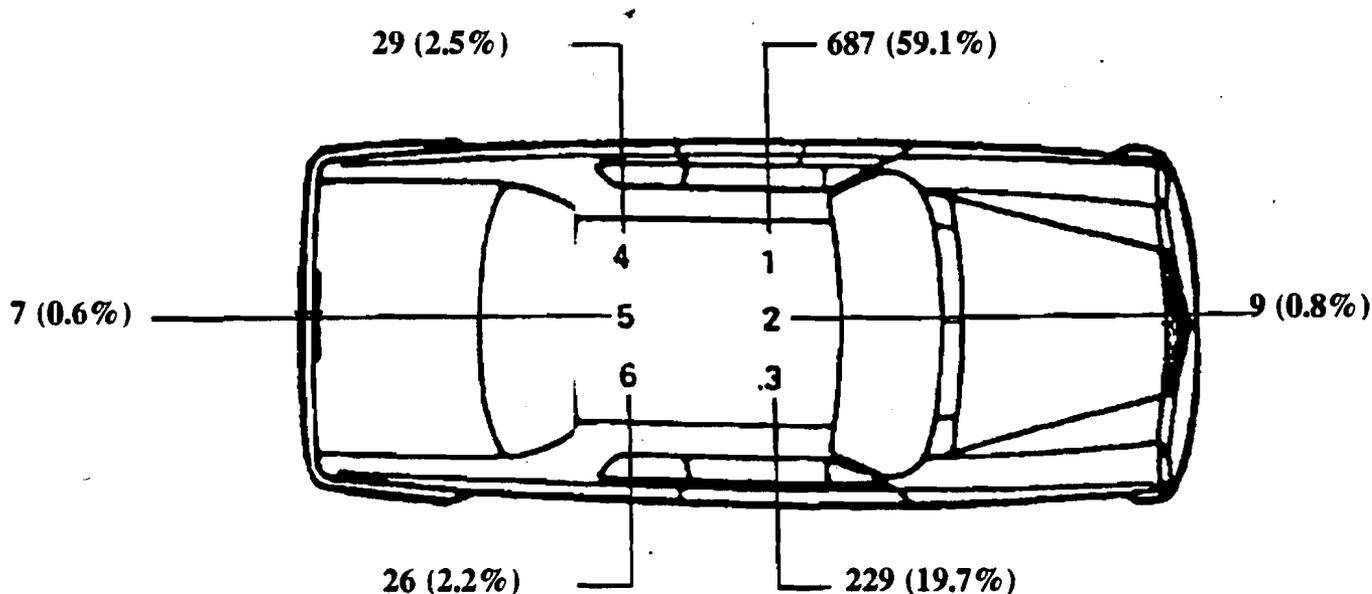
* PEDESTRIANS EXCLUDED

1991

SEATING POSITION OF PASSENGER CAR FATALITIES

PASSENGER CAR FATALITIES IN 1991: 1,162 (70.0%)
OF THE TOTAL HIGHWAY DEATHS IN 1991
DRIVERS KILLED: 687 (59.1%) PASSENGERS KILLED: 300 (25.8%)

PASSENGER CAR FATALITIES BY SEATING POSITION:



- 7 = 157 (13.5%)
- 8 = 4 (0.3%)
- 9 = 14 (1.2%)

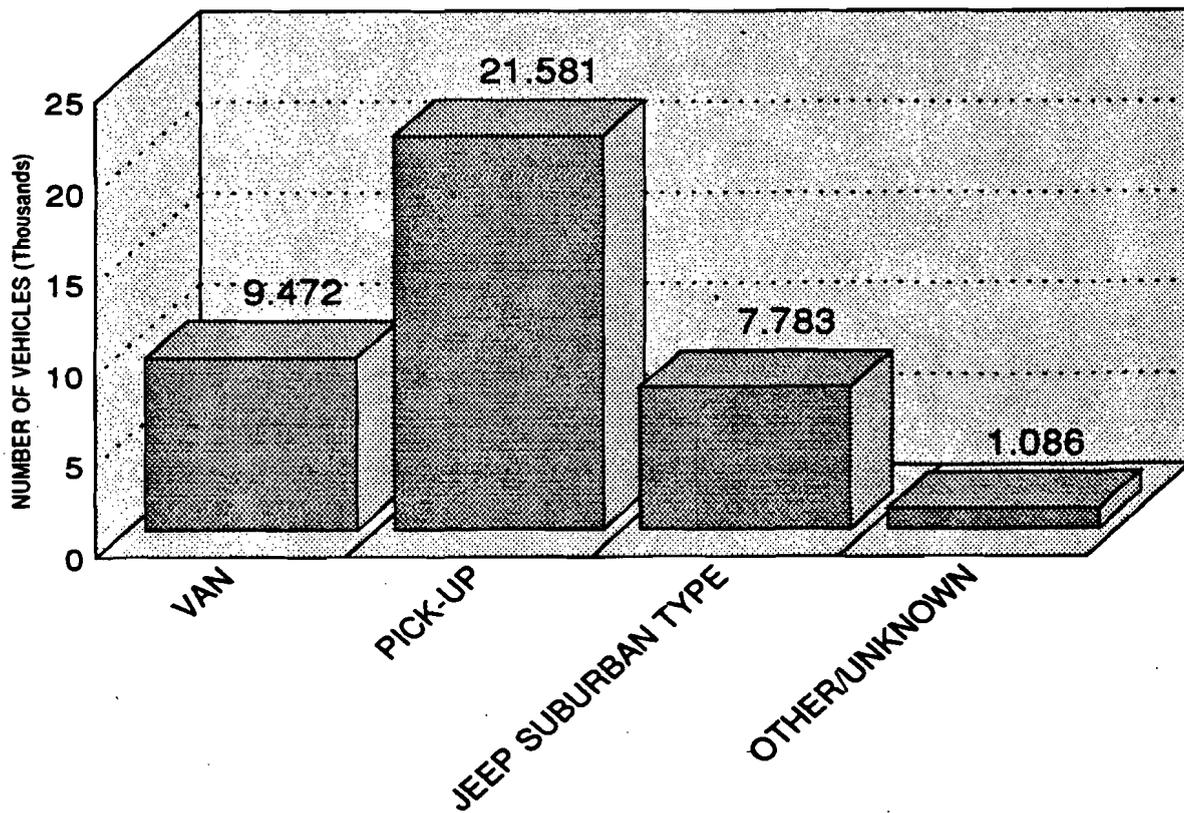
LEGEND:

- 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

1991 LIGHT TRUCK ACCIDENTS

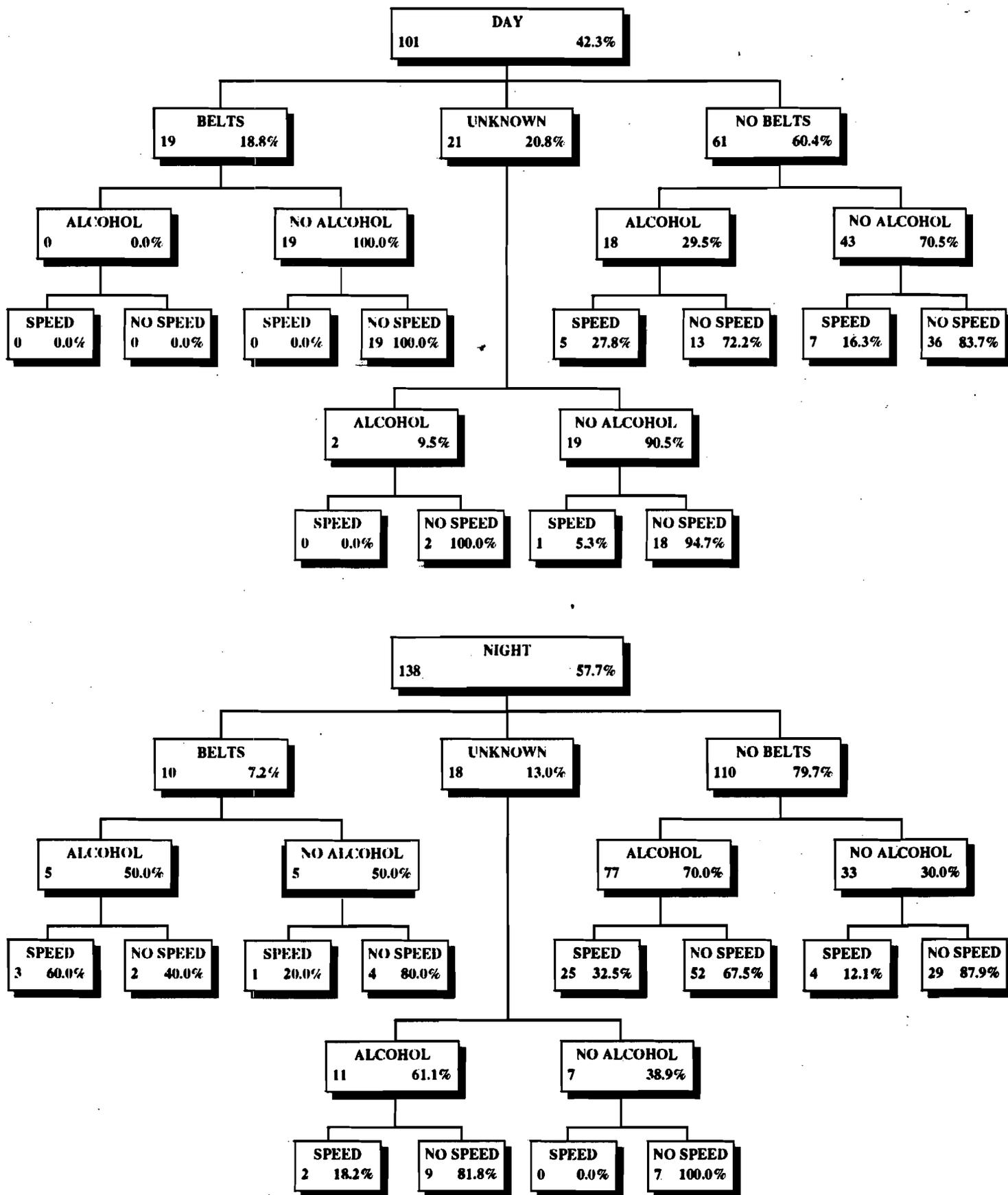
	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	31,415 (90.98%)	374 (92.12%)
Out of State	2,754 (7.98%)	31 (7.64%)
Not Applicable/Unknown	362 (1.05%)	1 (0.25%)
 Driver License:		
Pennsylvania	30,480 (88.27%)	364 (89.66%)
Out of State	2,877 (8.33%)	31 (7.64%)
No license	302 (0.87%)	4 (0.99%)
Not Applicable/Unknown	872 (2.53%)	7 (1.72%)

1991 LIGHT TRUCK INVOLVEMENT IN ACCIDENTS BY TYPE



1991 LIGHT TRUCK FATALITIES*

239 100%



* PEDESTRIANS EXCLUDED

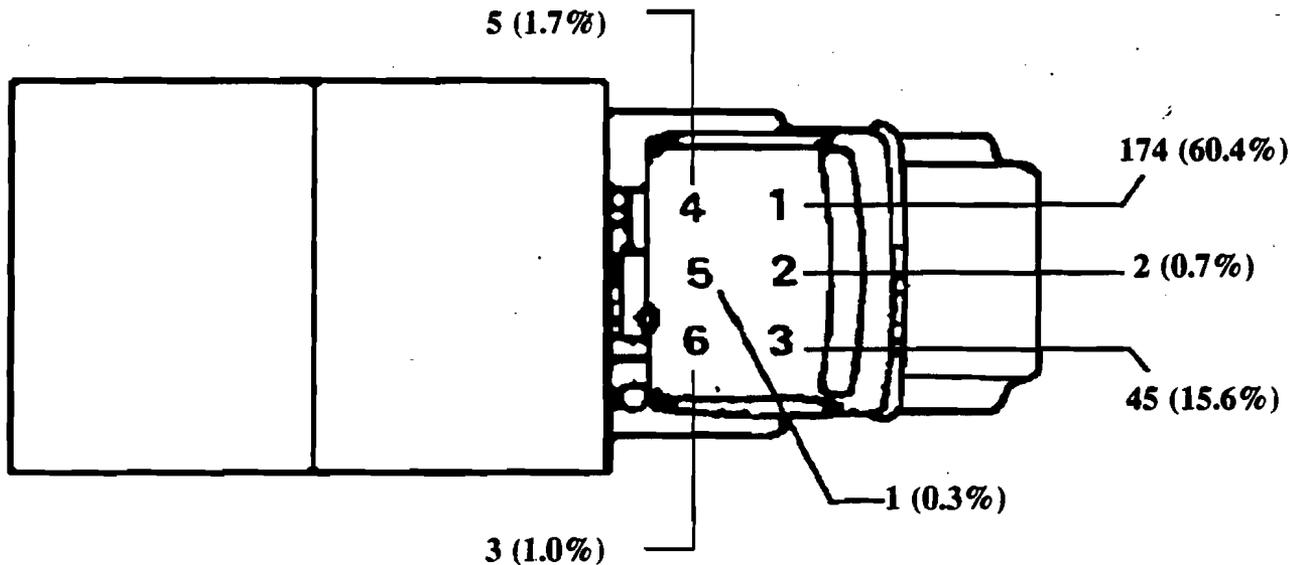
1991

SEATING POSITION OF LIGHT TRUCK FATALITIES

**SINGLE UNIT TRUCK OCCUPANTS KILLED IN 1991: 288 (17.34%)
OF THE TOTAL HIGHWAY DEATHS IN 1991**

DRIVERS KILLED: 174 (60.47%) **PASSENGERS KILLED: 56 (19.3%)**

LIGHT UNIT TRUCK FATALITIES BY SEATING POSITION:



- 7 = 49 (17.0%)
- 8 = 8 (2.8%)
- 9 = 1 (0.3%)

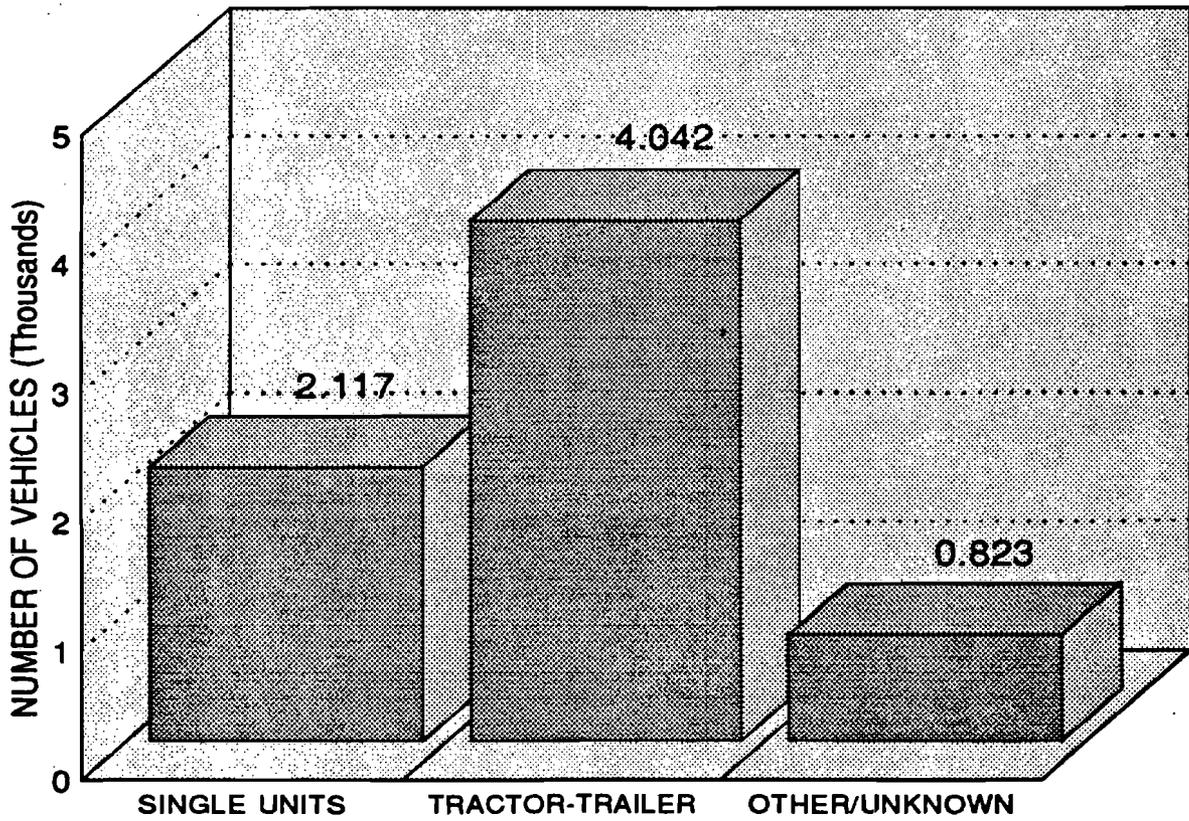
LEGEND:

- 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.
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- 9 = ANY TOWED UNIT/OTHER

1991 HEAVY TRUCK ACCIDENTS

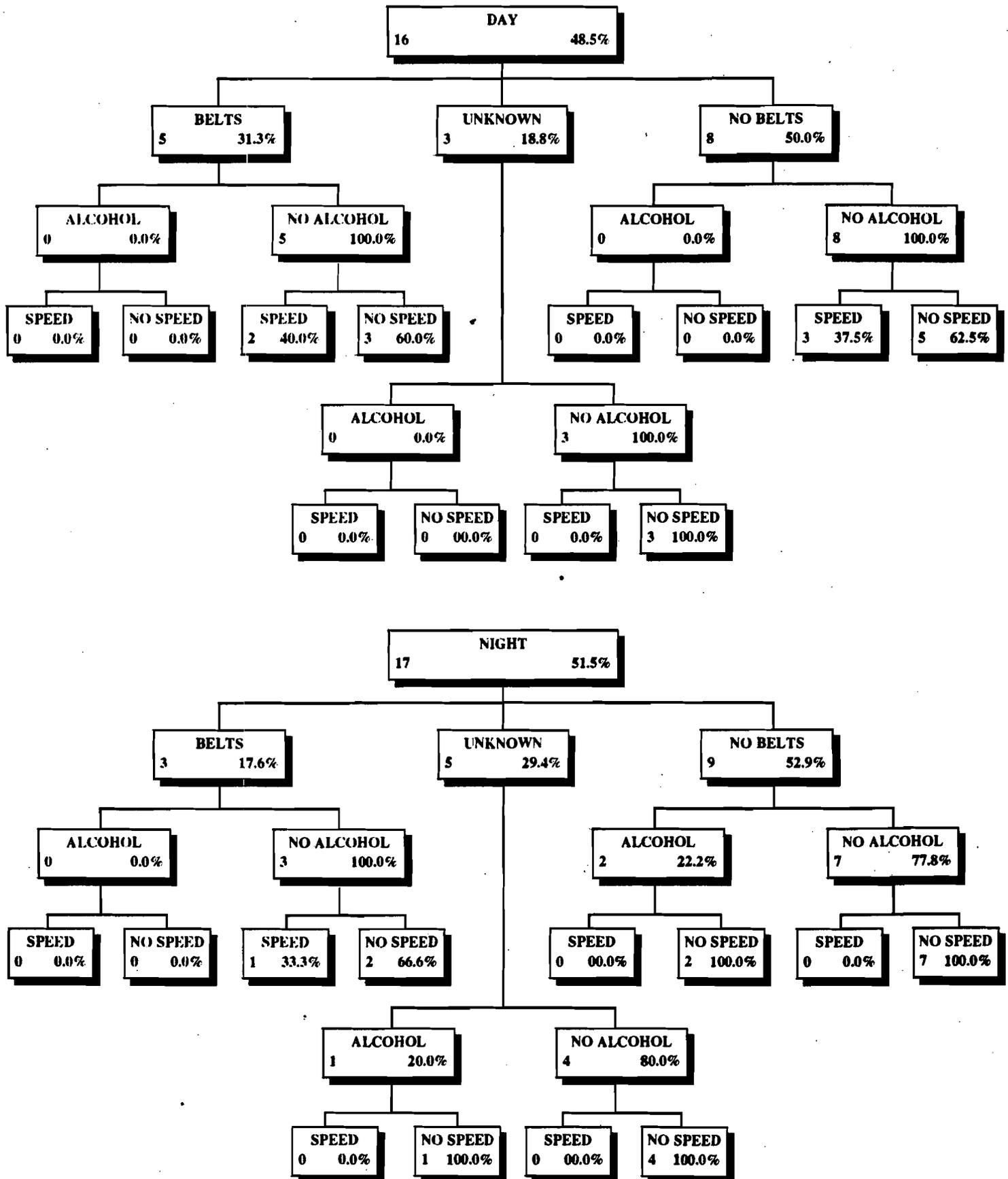
	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	3,618 (59.28%)	80 (50.96%)
Out of State.....	2,324 (38.08%)	76 (48.41%)
Not Applicable/Unknown.....	161 (2.64%)	1 (0.64%)
 Driver License:		
Pennsylvania	3,813 (62.48%)	91 (57.96%)
Out of State.....	2,314 (33.88%)	64 (40.76%)
No license	9 (0.15%)	0 (0.00%)
Not Applicable/Unknown.....	213 (3.49%)	2 (1.27%)

1991 HEAVY TRUCK CRASHES BY TYPE



1991 HEAVY TRUCK FATALITIES*

33 100%

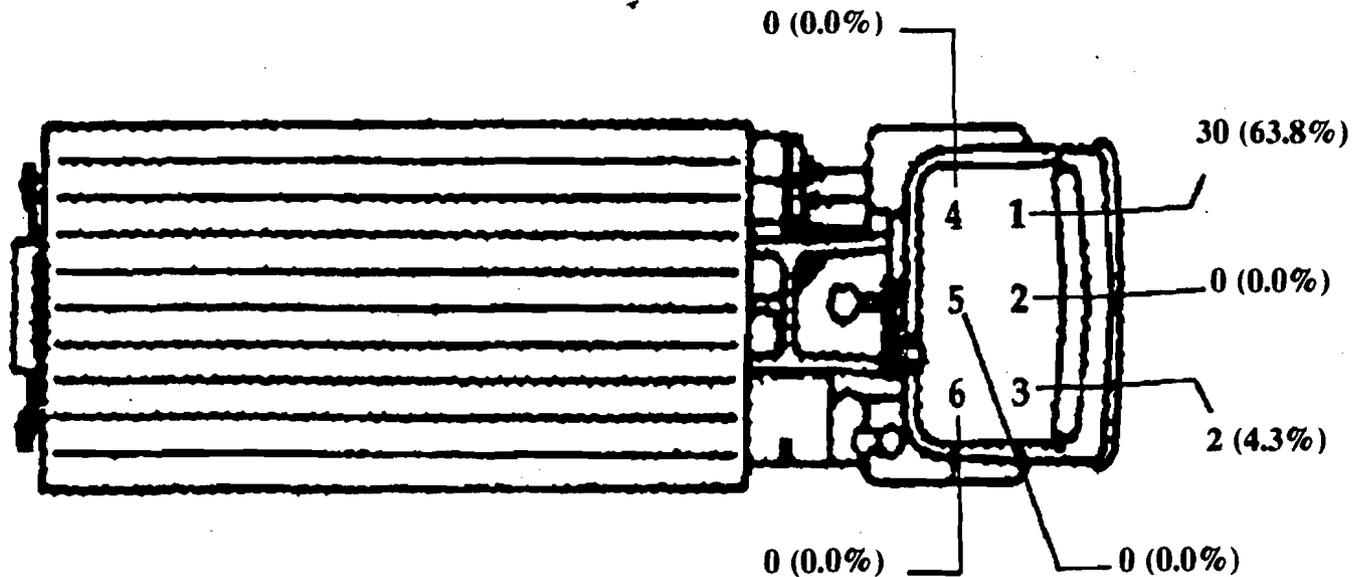


* PEDESTRIANS EXCLUDED

1991 SEATING POSITION OF
HEAVY TRUCK FATALITIES

HEAVY TRUCK FATALITIES IN 1991: 47 (2.83%)
OF THE TOTAL HIGHWAY DEATHS IN 1991
DRIVERS KILLED: 30 (63.8%) PASSENGERS KILLED: 2 (4.3%)

TRUCK FATALITIES BY SEATING POSITION:



- 7 = 14 (29.8%)
- 8 = 1 (2.1%)
- 9 = 0 (0.0%)

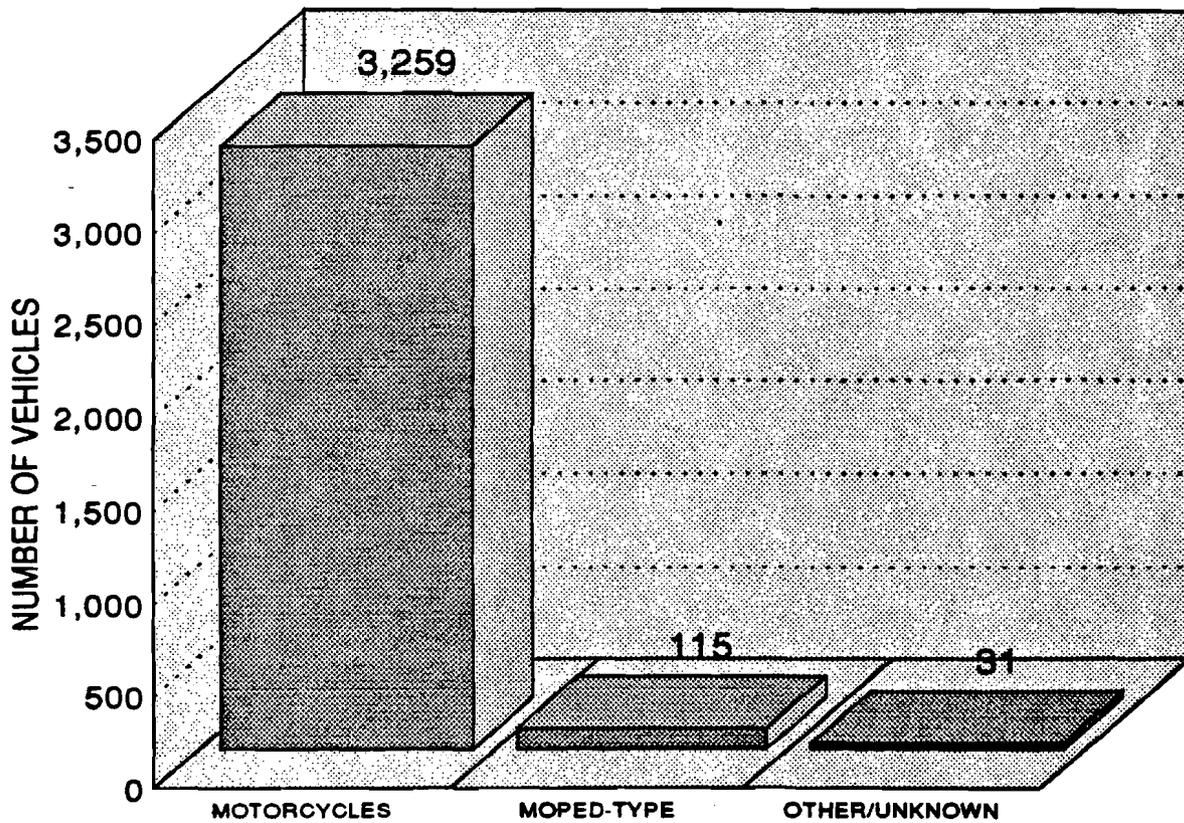
LEGEND:

- 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

1991 MOTORCYCLE ACCIDENTS

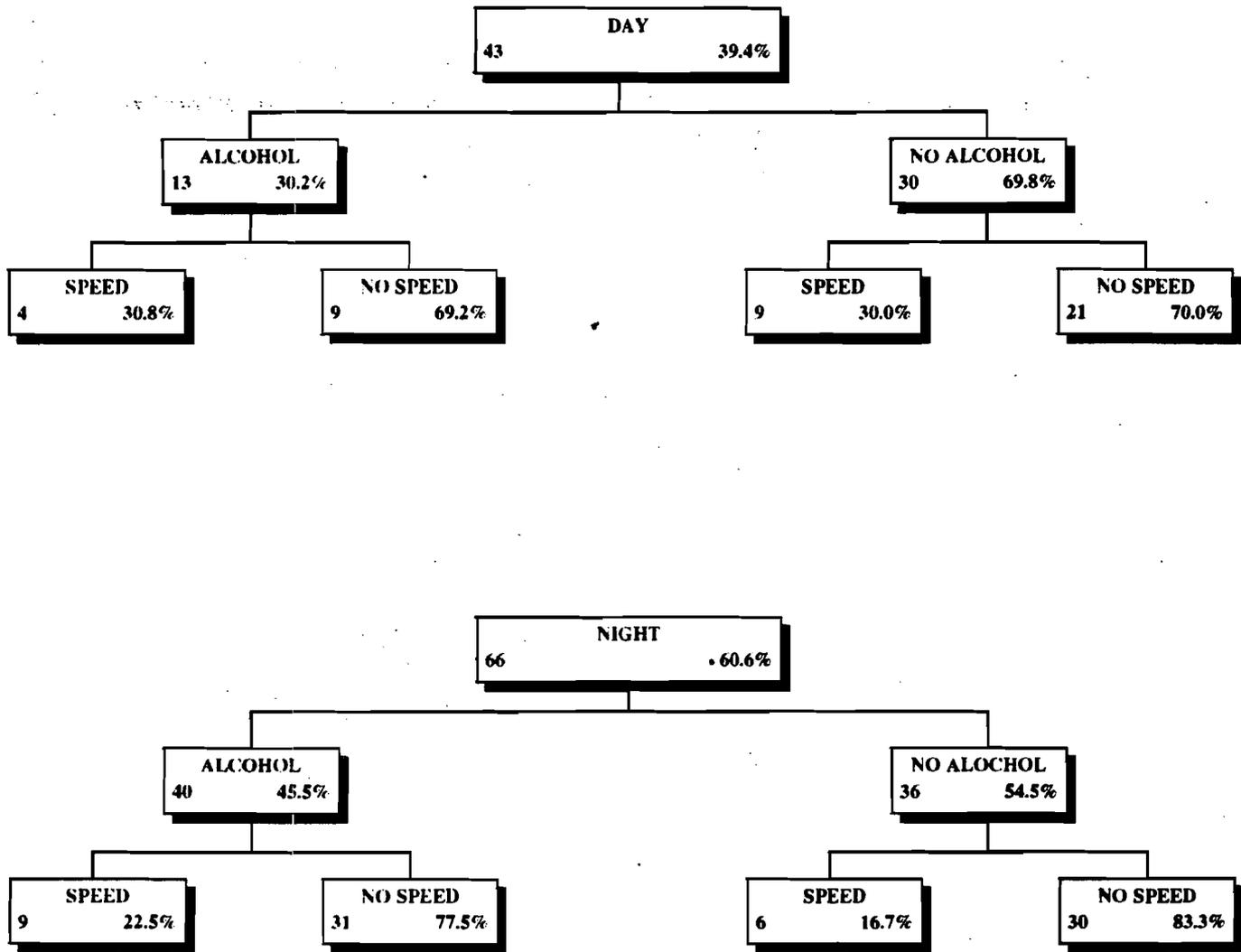
	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	2,956 (89.22%)	94 (92.16%)
Out of State.....	213 (6.43%)	5 (4.90%)
Not Applicable/Unknown.....	144 (4.35%)	3 (2.94%)
 Driver License:		
Pennsylvania	2,850 (86.02%)	91 (89.22%)
Out of State.....	205 (6.19%)	6 (5.88%)
No license	162 (4.89%)	5 (4.90%)
Not Applicable/Unknown.....	96 (2.90%)	0 (0.00%)

1991 MOTORCYCLE ACCIDENTS BY TYPE



1991 MOTORCYCLE FATALITIES*

109 100%



* PEDESTRIANS EXCLUDED

1991

SEATING POSITION OF MOTORCYCLE FATALITIES

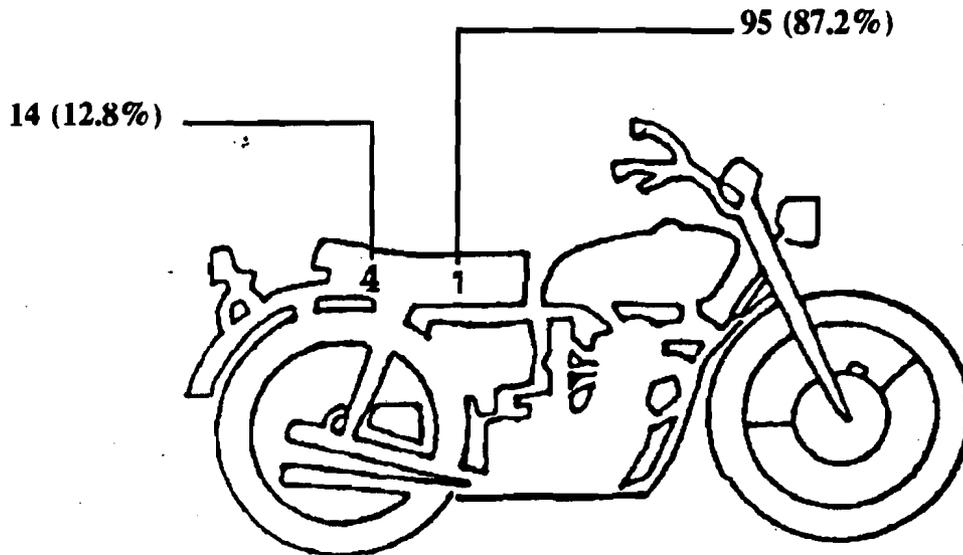
MOTORCYCLE FATALITIES IN 1991: 109 (6.56%)

OF THE TOTAL HIGHWAY DEATHS IN 1991

DRIVERS KILLED: 95 (87.2%)

PASSENGERS KILLED: 14 (12.8%)

MOTORCYCLE FATALITIES BY SEATING POSITION:



8 = 0 (0.0%)

LEGEND:

1 = DRIVER

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

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

1991 PEDALCYCLE ACCIDENTS

NUMBER OF ACCIDENTS INVOLVING PEDACYCLES IN 1991:

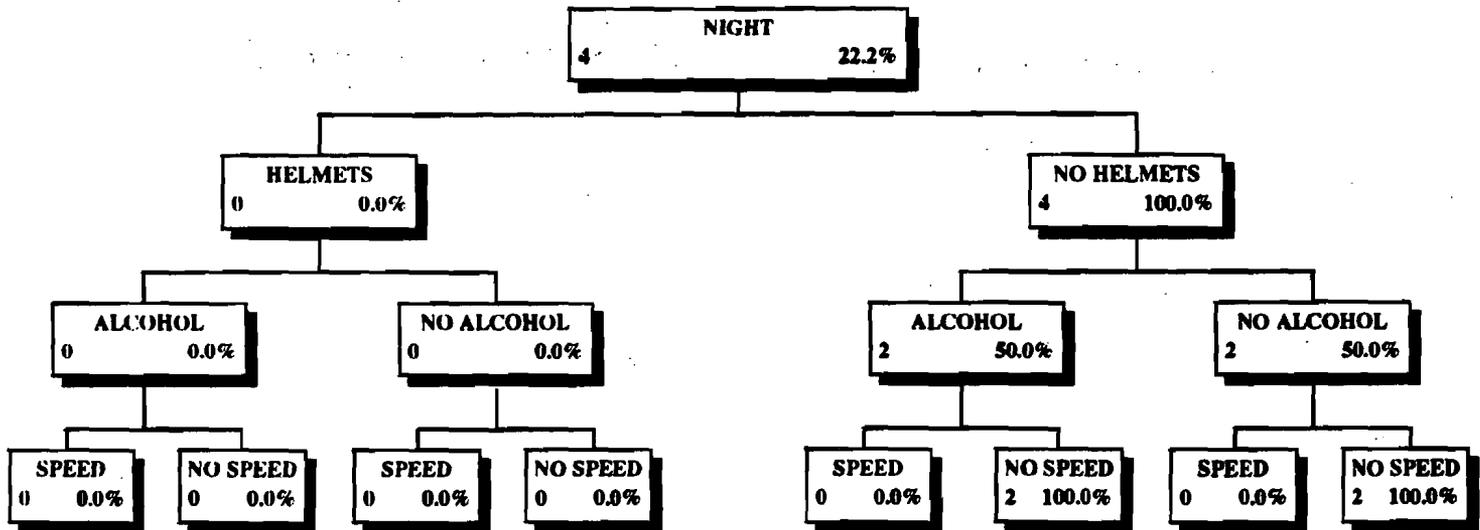
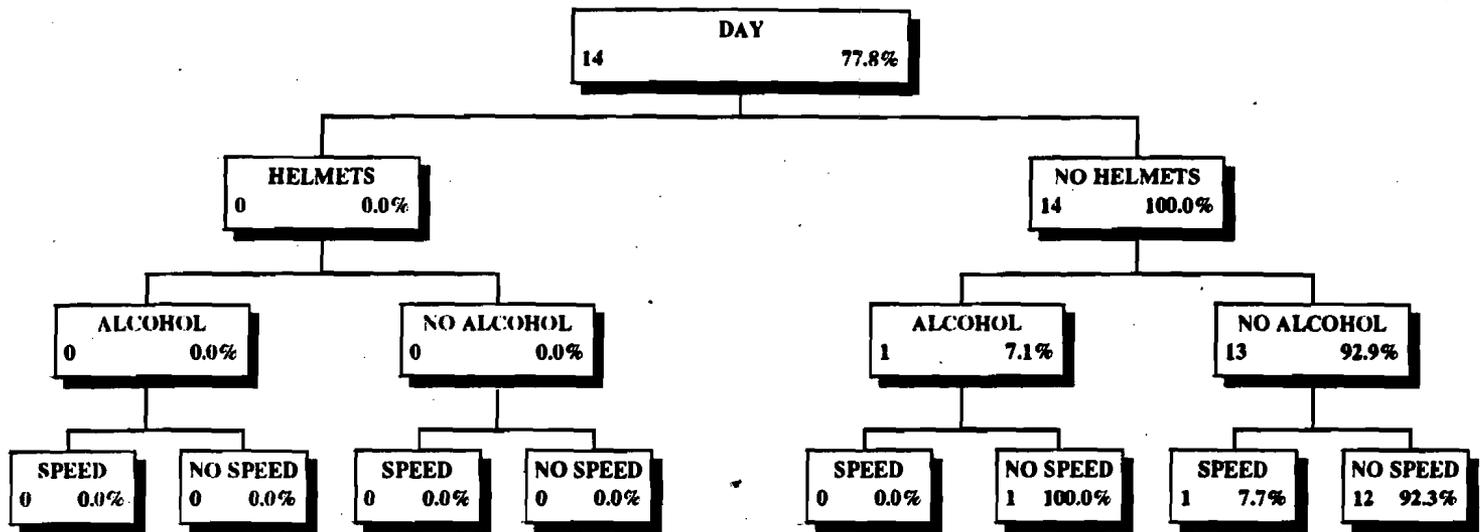
2,608

NUMBER OF PEDACYCLISTS INVOLVED IN FATAL ACCIDENTS IN 1990:

18

1991 PEDALCYCLE FATALITIES*

18 100%



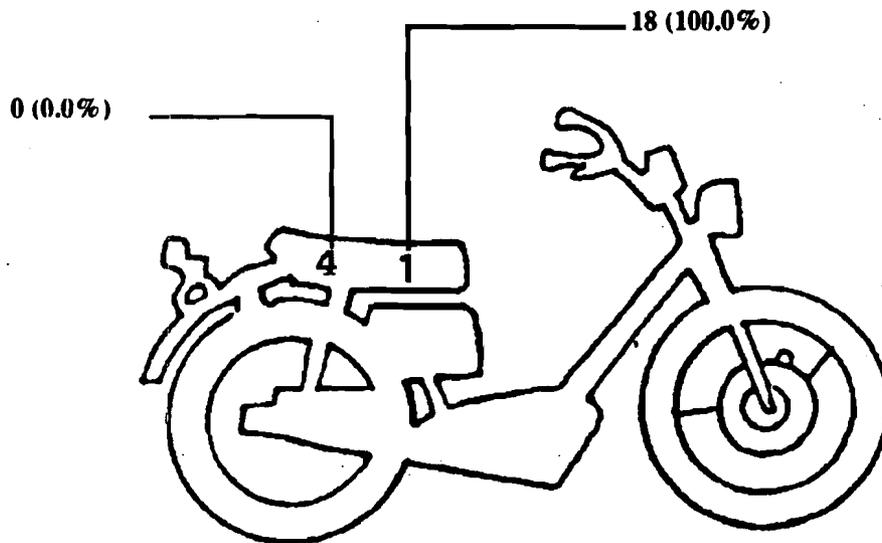
* PEDESTRIANS EXCLUDED

1991

SEATING POSITION OF PEDACYCLIST FATALITIES

**PEDACYCLIST FATALITIES IN 1991: 18 (1.08%)
OF THE TOTAL HIGHWAY DEATHS IN 1991
DRIVERS KILLED: 18 (100.0%) PASSENGERS KILLED: 0 (0.0%)**

PEDALCYCLIST FATALITIES BY SEATING POSITION:



LEGEND:

1 = DRIVER

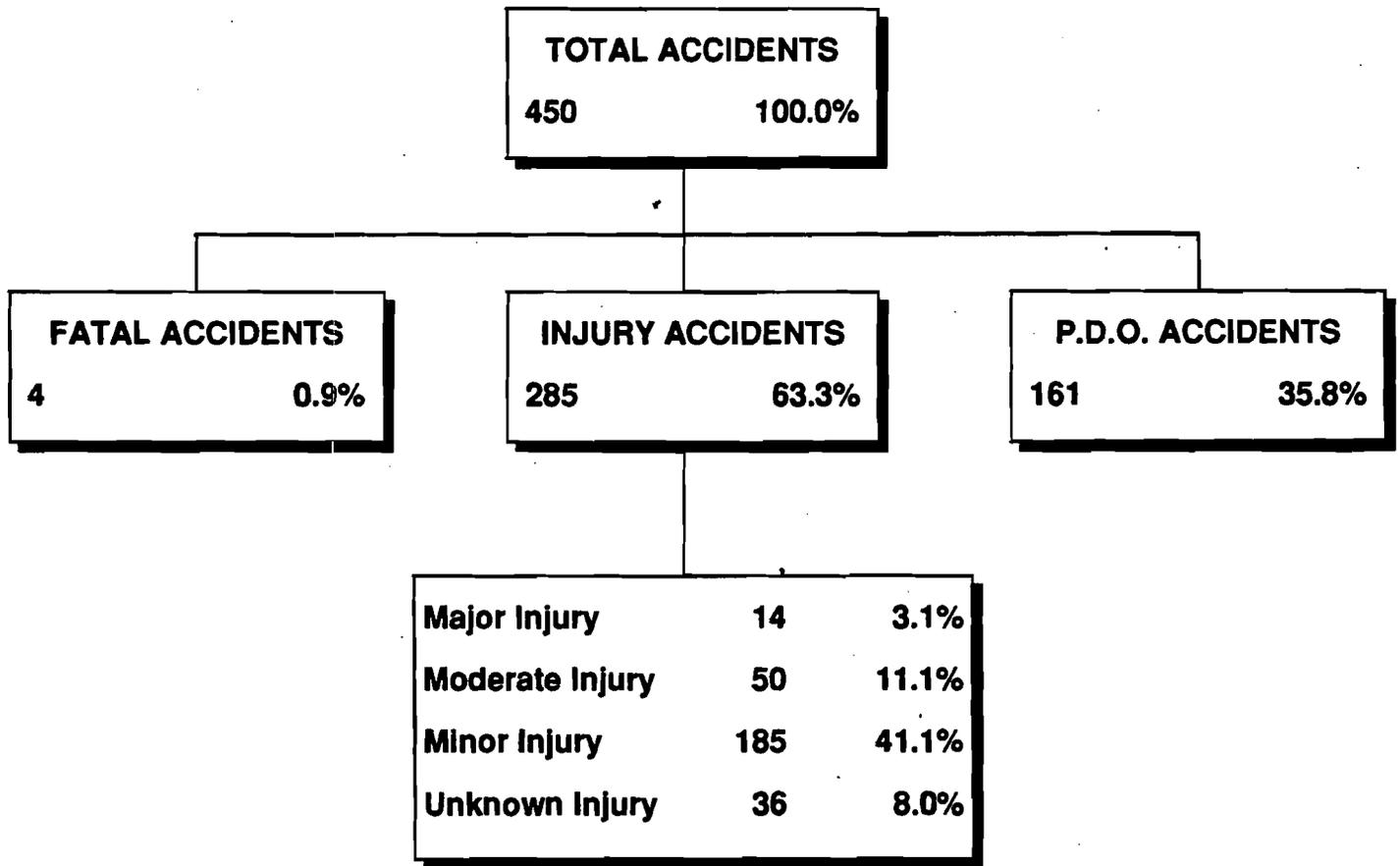
4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGER ON A BUS OR VAN. ETC.

**ACCIDENTS INVOLVING SCHOOL BUSES
IN PUPIL TRANSPORT
1986-1991**

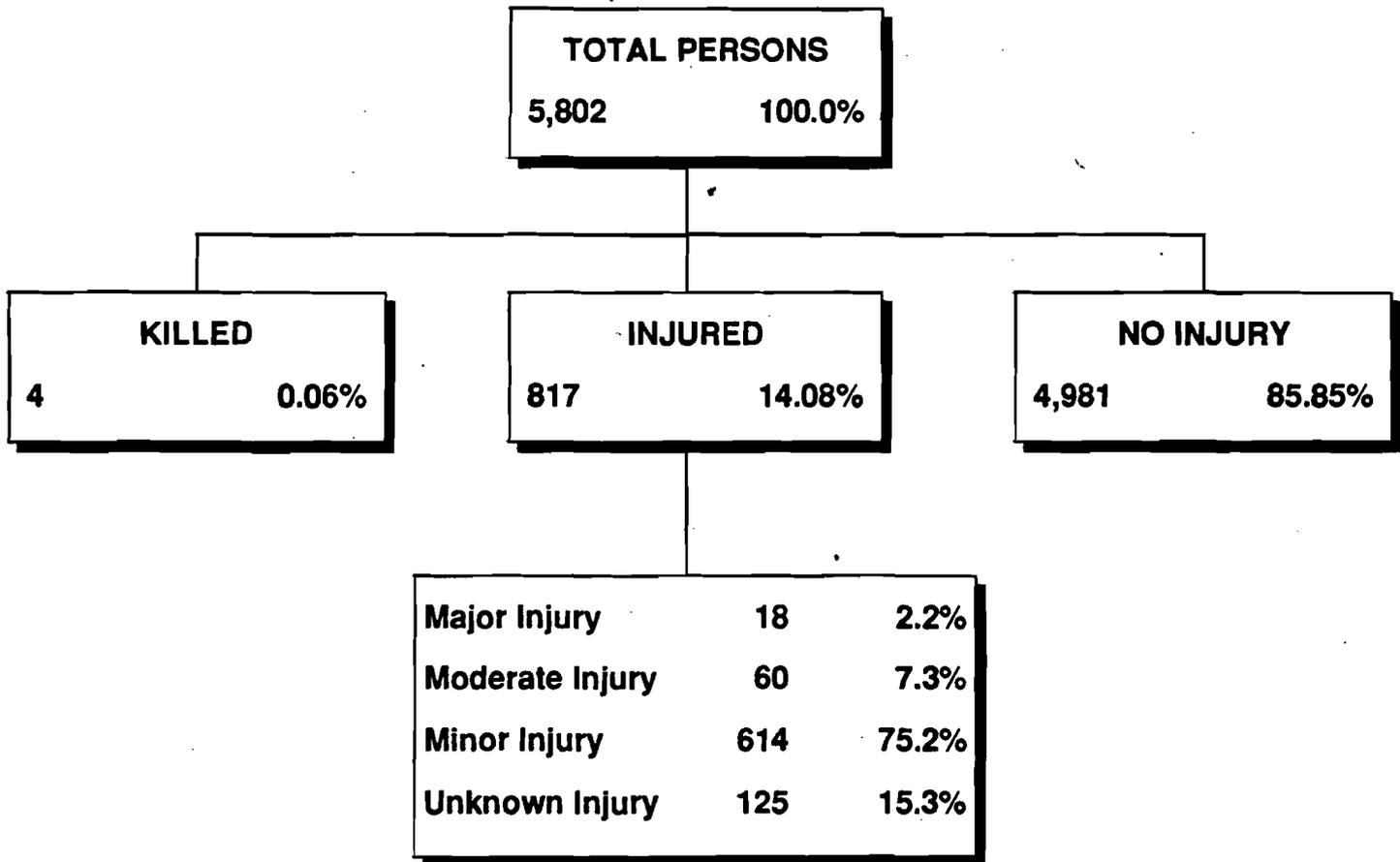
YEAR	ACCIDENT SEVERITY				PERSONS KILLED	PERSONS INJURED
	FATAL	INJURY	P.D.O.	TOTAL		
1986	4	323	187	514	4	723
1987	8	312	156	476	8	911
1988	5	265	111	381	6	741
1989	2	297	160	459	2	867
1990	6	317	151	474	7	977
1991	4	285	161	450	4	817

1991

SCHOOL BUS ACCIDENTS IN PUPIL TRANSPORT



1991 SCHOOL BUS ACCIDENTS IN PUPIL TRANSPORT PERSONS INVOLVED



**PERSONS KILLED IN ACCIDENTS INVOLVING SCHOOL BUSES
IN PUPIL TRANSPORTATION
1987 - 1991**

YEAR	SCHOOL BUS DRIVERS	SCHOOL BUS PASSENGER	PEDESTRIANS HIT BY SCHOOL BUS		DRIVER/PASSENGER OF OTHER VEHICLE	TOTAL
			SCHOOL-AGE	OTHER		
1987	0	1	1	0	6	8
1988	1	2	0	1	2	6
1989	0	0	0	0	2	2
1990	0	1	2	0	4	7
1991	0	0	2	0	2	4
5-YEAR TOTAL	1	4	5	1	16	27

66

IX. DEFINITIONS

DEFINITIONS

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

- **Accident Description:** A description which characterizes the first harmful event which caused the accident 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).

ACCIDENT SEVERITY:

- **Fatal Accident:** An accident in which one or more of the involved persons died within 30 days of the accident.
- **Injury Accident:** An accident in which none of the involved were killed but at least one was injured.
- **Property Damaged Only Accident (P.D.O.):** A reportable accident where no one was killed or injured, but damage to the vehicle required towing.
- **Alcohol Related Accident:** Any reportable accident 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 accidents and/or fatalities (injuries) are equal to, or greater than, those occurring on the actual holiday weekend.

INJURY SEVERITY:

- **Fatality:** Any injury which causes death within 30 days of the accident - attributable to the accident.
- **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 accident 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 ACCIDENTS:

- **Highway Accidents Characterized by the following:**
 - Accidents resulting in a death within at least 30 days of the accident or injury, in any degree, to any persons involved.
 - Accidents 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, limosine, 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, trackles trolley.
- **Motorcycle Body Type:** Includes motorcycle, mo-ped, mini-bike, motor scooter, trike (motorized tricycle), go-cart, vendor cycle.
- **Pedacycle:** 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