

TRAFFIC ACCIDENT FACTS and STATISTICS



Pennsylvania Department of Transportation

1986

INTRODUCTION

The 1986 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 motor vehicle traffic accidents in the Commonwealth of Pennsylvania for the calendar year 1986. The figures are compiled from the traffic accident reports that are submitted to the Pennsylvania Department of Transportation by state, county, municipality and other law enforcement agencies.

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

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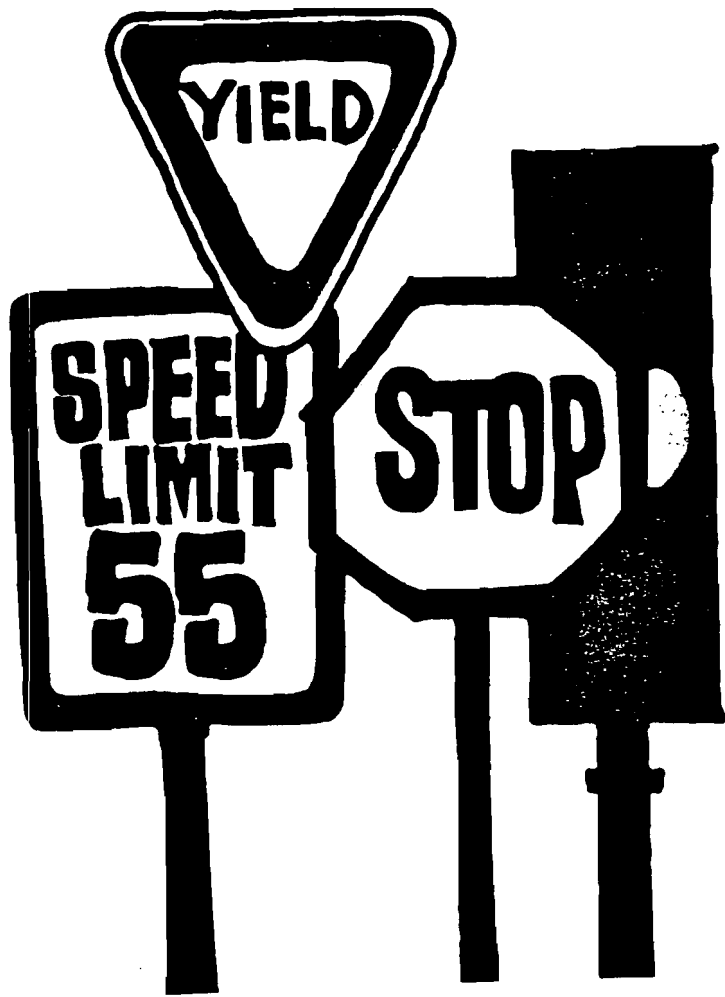
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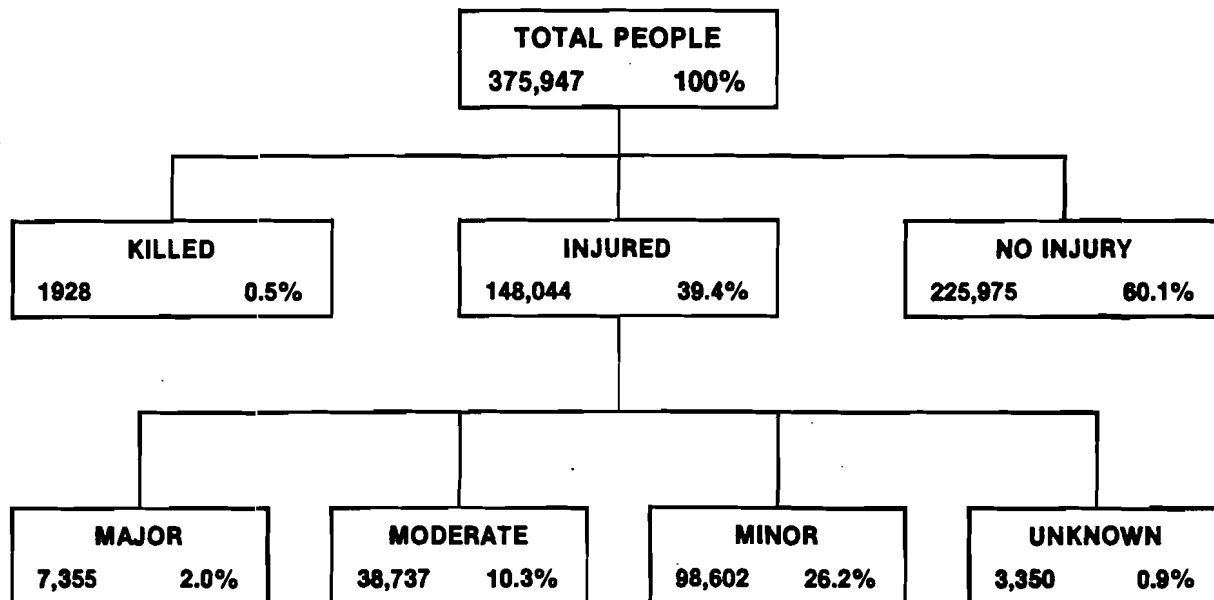
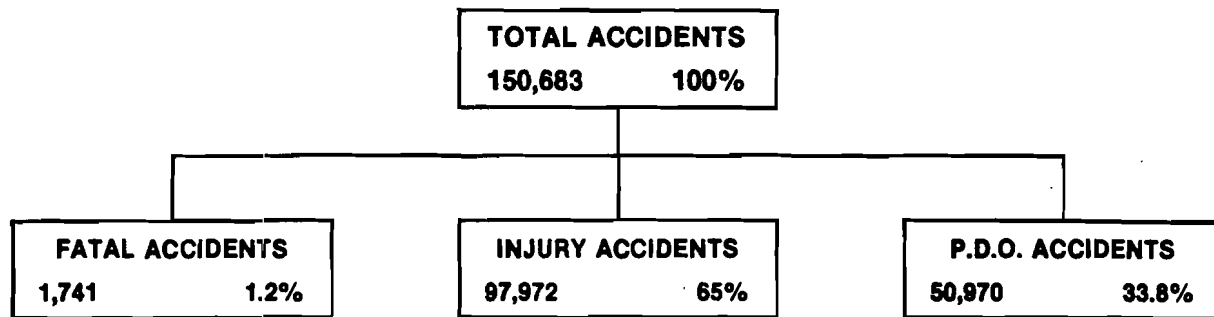
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I. HIGHLIGHTS

1986

TOTAL ACCIDENTS BY ACCIDENT SEVERITY



1986 OPERATOR VEHICLE-ROAD DATA

7,691,269	LICENSED OPERATORS
7,793,921	REGISTERED MOTOR VEHICLES
11,863,895	POPULATION OF THE COMMONWEALTH OF PENNSYLVANIA (1985 est.)
114,865.309	MAINTAINED MILES OF ROAD
	STATE: 43,333.359
	LOCAL: 66,668.030
	TURNPIKE: 469.000
	OTHER: 4,394.920

77.2 BILLION VEHICLE MILES DRIVEN

	State Highways	Interstates	Turnpike	Local & Other
Accidents	93,290	6,639	1,498	49,256
Persons Killed	1,503	93	24	308
Persons Injured	94,272	5,886	1,151	46,256
Vehicles Miles Traveled (100 million vehicle miles)	48,723	9,139	3,710	15,627
Accidents/100 million vehicle miles	191.47	72.64	39.84	315.20
Persons killed/ 100 million vehicle miles	3.08	1.02	0.65	1.97
Persons injured/ 100 million vehicle miles	193.49	64.41	31.02	299.07

1986 ACCIDENT STATISTICS

5.3 PERSONS WERE KILLED EVERY DAY (ONE EVERY 4.5 HOURS).

405.6 PERSONS WERE INJURED EVERY DAY (ONE EVERY 3.6 MINUTES).

ONE PA LICENSED DRIVER OUT OF 36.3 WAS INVOLVED IN AN ACCIDENT.

ONE PA REGISTERED VEHICLE OUT OF 40.2 WAS INVOLVED IN AN ACCIDENT.

ONE PENNSYLVANIAN OUT OF 80.6 WAS INJURED IN AN ACCIDENT.

ONE PENNSYLVANIAN OUT OF 31.5 WAS INVOLVED IN AN ACCIDENT.

68.4% OF DRIVERS IN ALL ACCIDENTS WERE MALE.

80.1% OF DRIVERS IN FATAL ACCIDENTS WERE MALE.

55.1% OF ALL ACCIDENTS HAPPENED IN DAYLIGHT CONDITIONS.

54.5% OF FATAL ACCIDENTS HAPPENED IN DARK CONDITIONS.

41.5% OF FATAL ACCIDENTS HAPPENED ON WEEKENDS FROM 6PM FRIDAY TO MIDNIGHT SUNDAY.

MOST DANGEROUS DAY: SATURDAY WITH 17.3% OF ALL ACCIDENTS.

75.2% OF ALL ACCIDENTS OCCURRED UNDER NO ADVERSE WEATHER CONDITIONS.

67.9% OF ALL ACCIDENTS OCCURRED ON A DRY SURFACE.

14.6% OF ALL ACCIDENTS INVOLVED ALCOHOL.

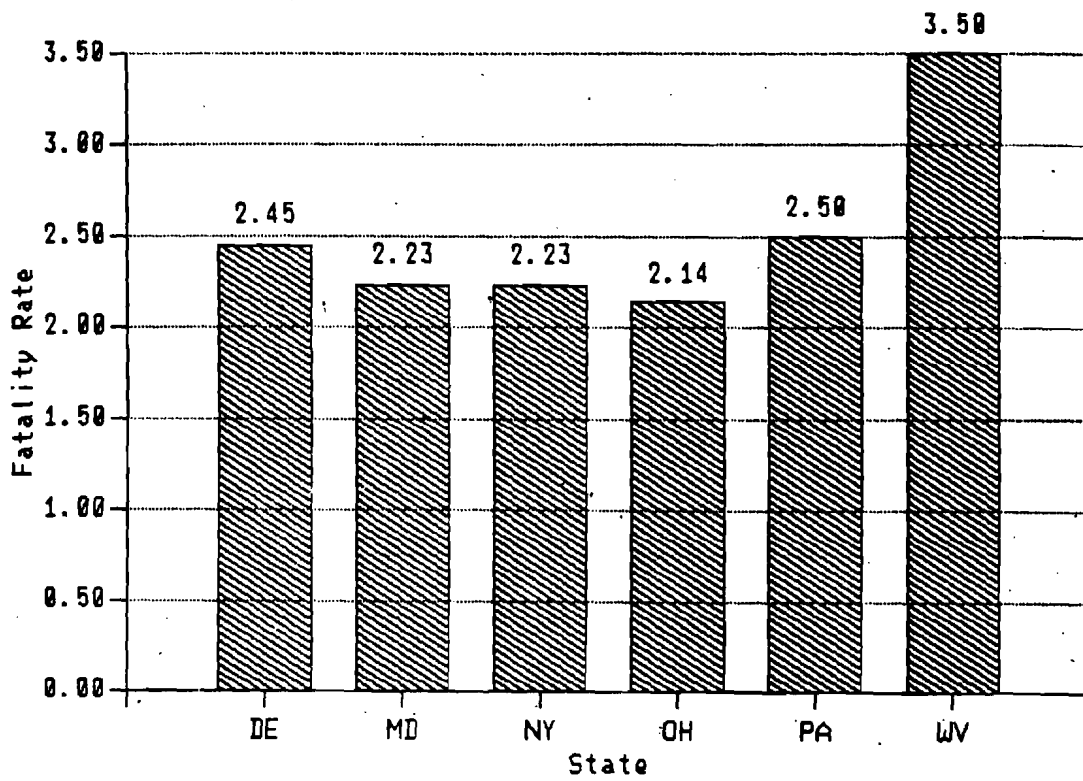
42.8% OF FATAL ACCIDENTS INVOLVED ALCOHOL.

**ECONOMIC LOSS DUE TO
REPORTABLE TRAFFIC ACCIDENTS
1986**

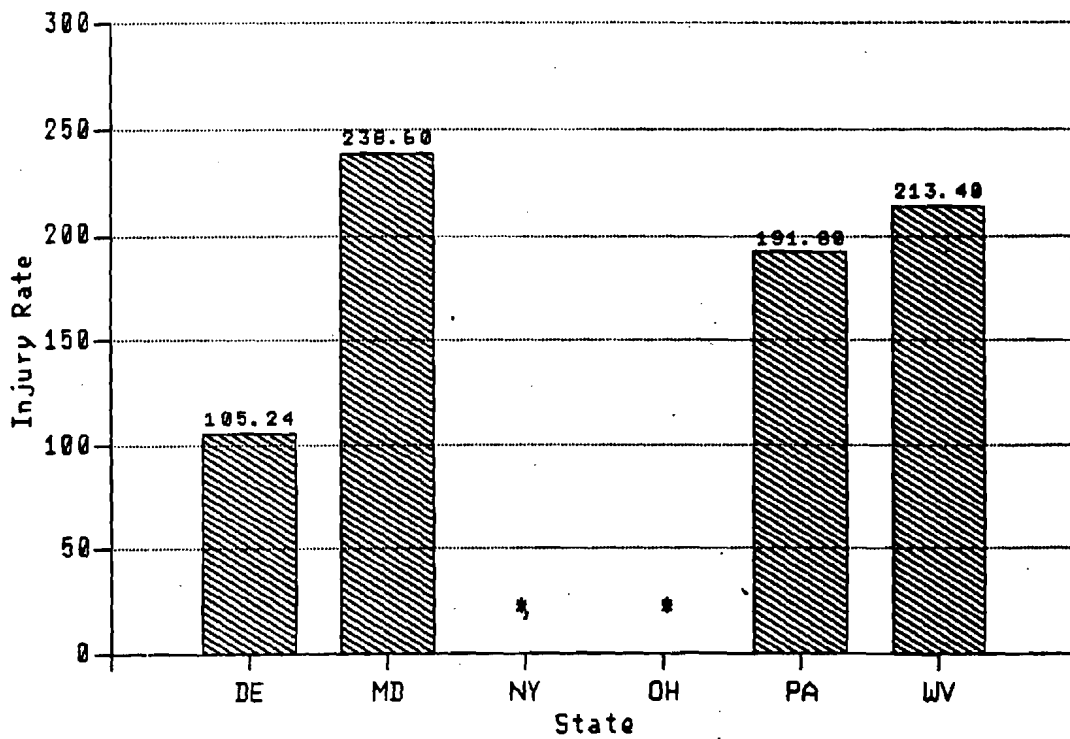
SEVERITY	NUMBER	AVERAGE* COSTS	ESTIMATED COSTS
FATALITIES	1,928	\$333,631.00	\$643,240,568.00
INJURIES			
MAJOR	7,355	99,695.00	733,256,725.00
MODERATE	38,737	7,859.00	304,434,083.00
MINOR	98,602	2,825.00	278,550,650.00
PROPERTY DAMAGE ONLY ACCIDENTS	51,967	1,828.00	94,693,810.00
		TOTAL	\$2,054,175,836.00

***THE ECONOMIC LOSS TO EVERY MAN, WOMAN AND CHILD IN PA IN 1986 WAS \$172.00.**

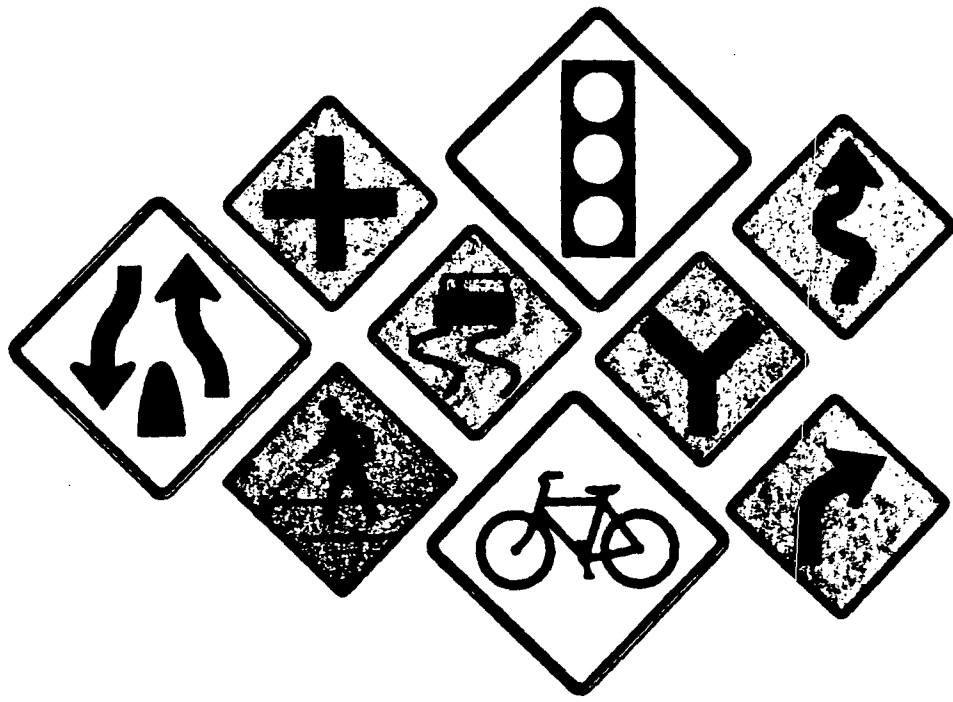
1986 Fatality Rates: PA vs Neighboring States
 Rate: Fatalities per 100 Million Vehicle Miles



1986 Injury Rates: PA vs Neighboring States
 Rate: Injury per 100 Million Vehicle Miles



* Not available as of 8/3/87



II. TRENDS

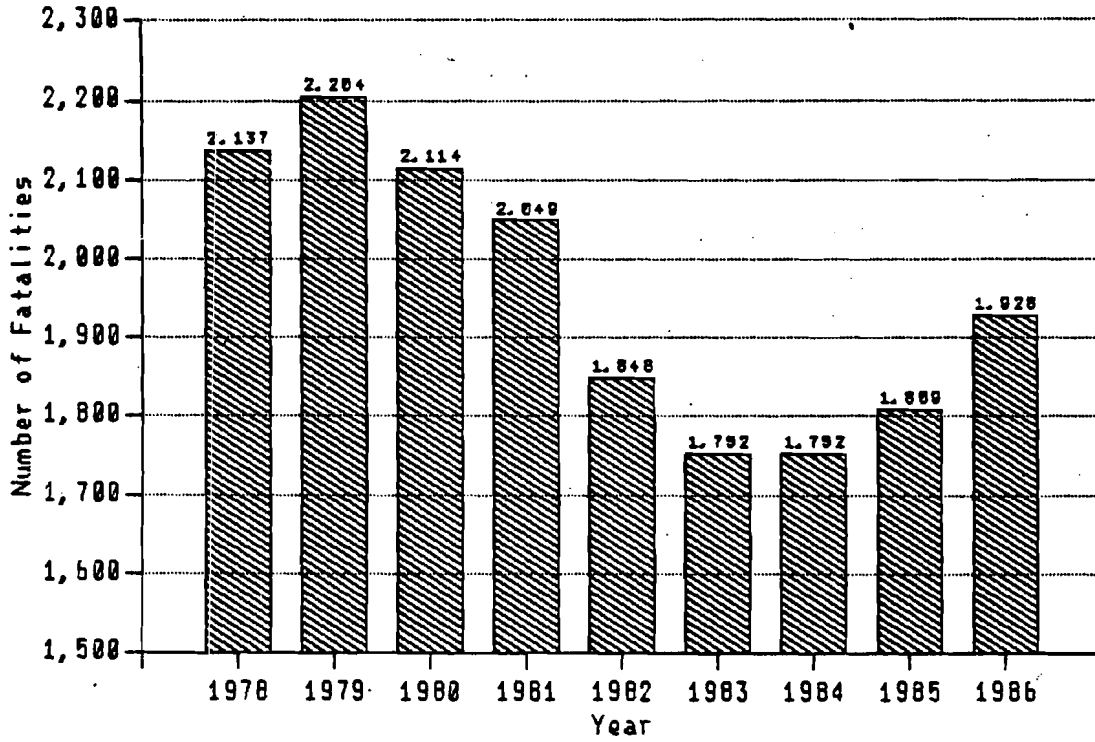
PA ACCIDENT FACTS

	1984	1985	1986	PERCENTAGE CHANGE	
				84-85	85-86
REPORTED ACCIDENTS	139,914	143,244	150,683	+ 2.4	+ 5.2
TOTAL KILLED	1,752	1,809	1,928	+ 3.3	+ 6.6
TOTAL INJURED	134,714	140,067	148,044	+ 4.0	+ 5.7
MAJOR	6,642	6,978	7,355	+ 5.1	+ 5.4
MODERATE	35,533	36,397	38,737	+ 2.4	+ 6.4
MINOR	89,994	93,958	98,602	+ 4.4	+ 4.9
UNKNOWN	2,545	2,734	3,350	+ 4.4	+22.5
PEDESTRIANS KILLED	316	265	245	- 16.1	- 7.5
PEDESTRIANS INJURED	6,784	6,869	7,029	+ 1.3	+ 2.3
MOTORCYCLISTS KILLED	172	177	145	+ 2.9	- 18.1
MOTORCYCLISTS INJURED	5,617	6,005	5,261	+ 6.9	- 12.4
PEDACYCLISTS KILLED	29	30	39	+ 3.4	+30.0
PEDACYCLISTS INJURED	3,249	3,484	3,431	+ 7.2	- 1.5
BILLIONS OF VEHICLE MILES	74.1	75.6	77.2	+ 2.0	+ 2.1
DEATHS PER 100 MILLION VEHICLE MILES	2.36	2.39	2.50	+ 1.3	+ 4.6
INJURIES PER 100 Million VEHICLE MILES	181.80	185.17	191.8	+ 1.9	+ 3.6

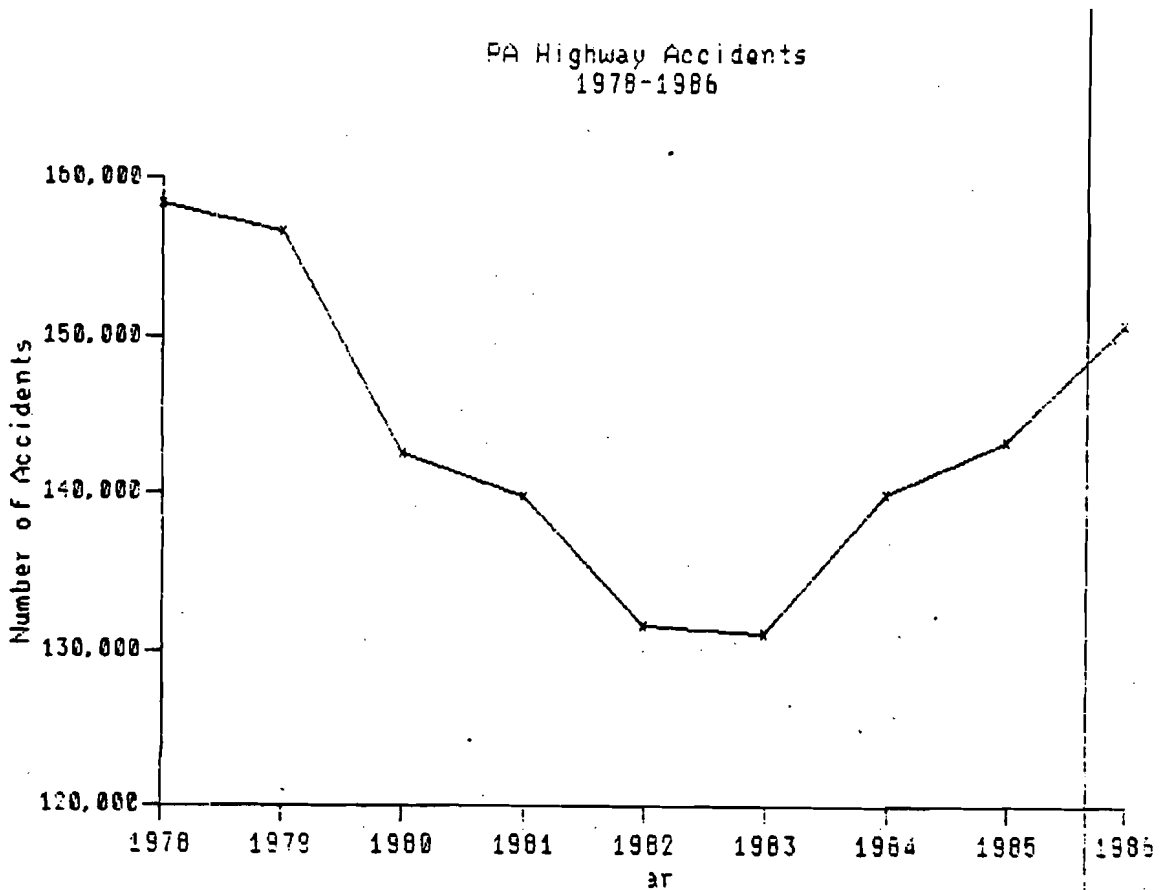
HISTORICAL TRENDS — PA HIGHWAY ACCIDENT STATISTICS

YEAR	TOTAL ACCIDENTS	TOTAL KILLED	TOTAL INJURED	REGISTERED VEHICLES	(Billion) Motor Vehicle MILEAGE	(Per 100 Million Vehicle Miles) PA FATALITY RATE	(Per 100 Million Vehicle Miles) US FATALITY RATE
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	1,727	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	116,527	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

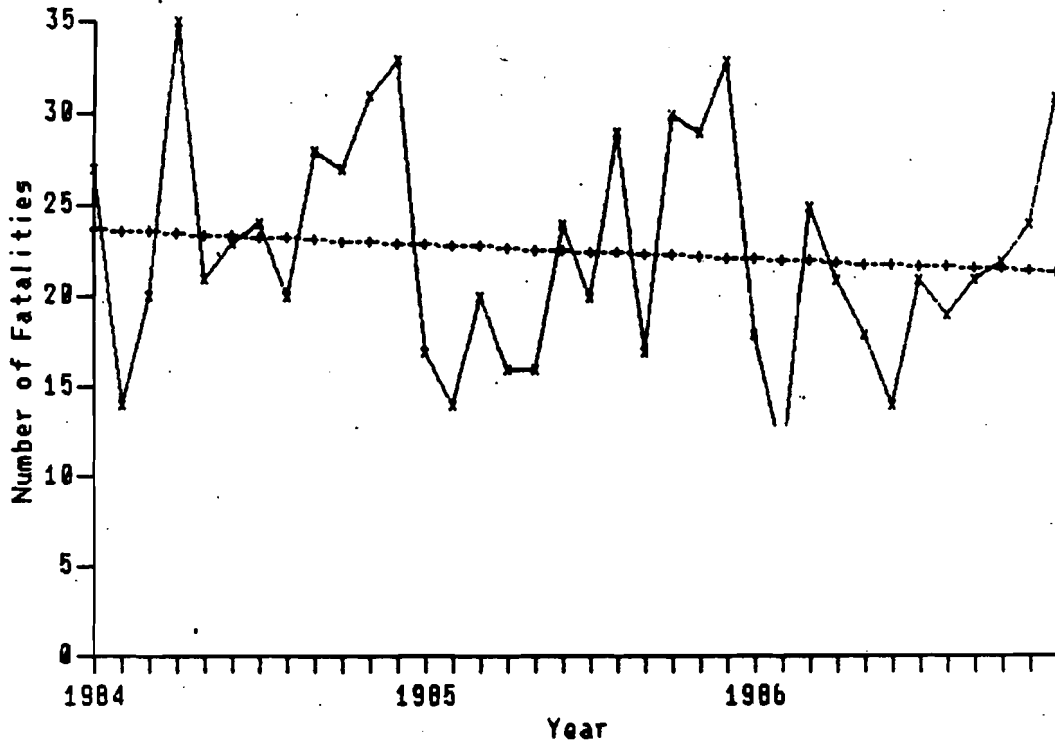
Pennsylvania Highway Fatalities
1978-1986



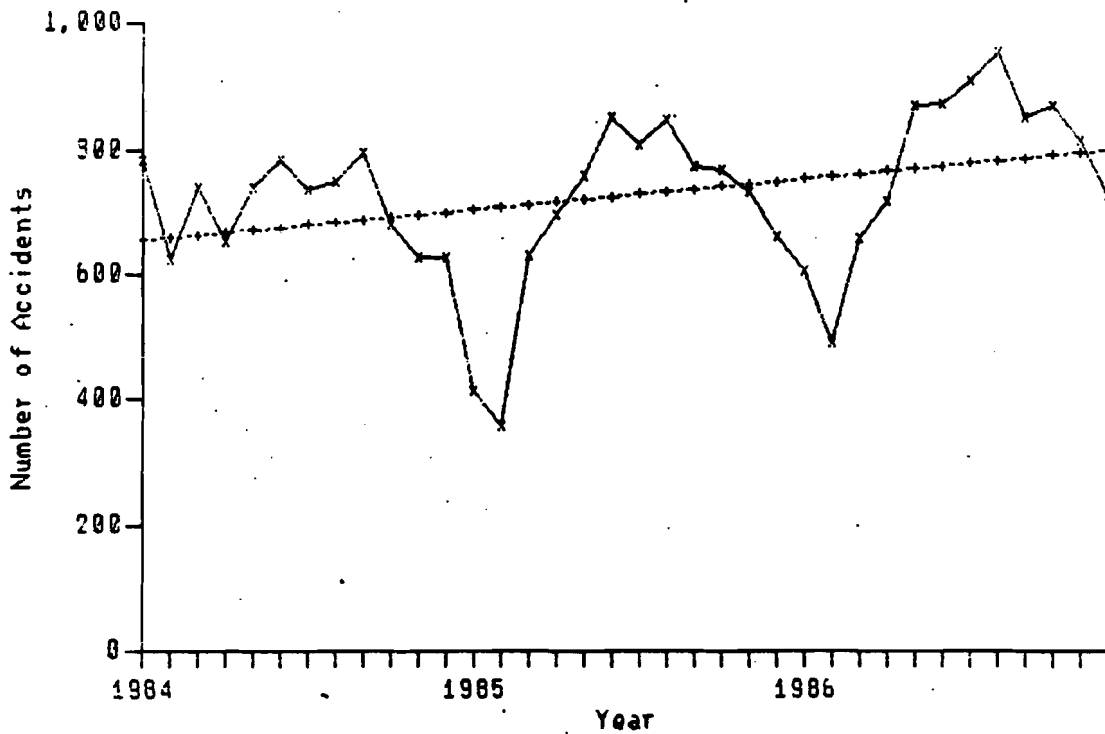
PA Highway Accidents
1978-1986



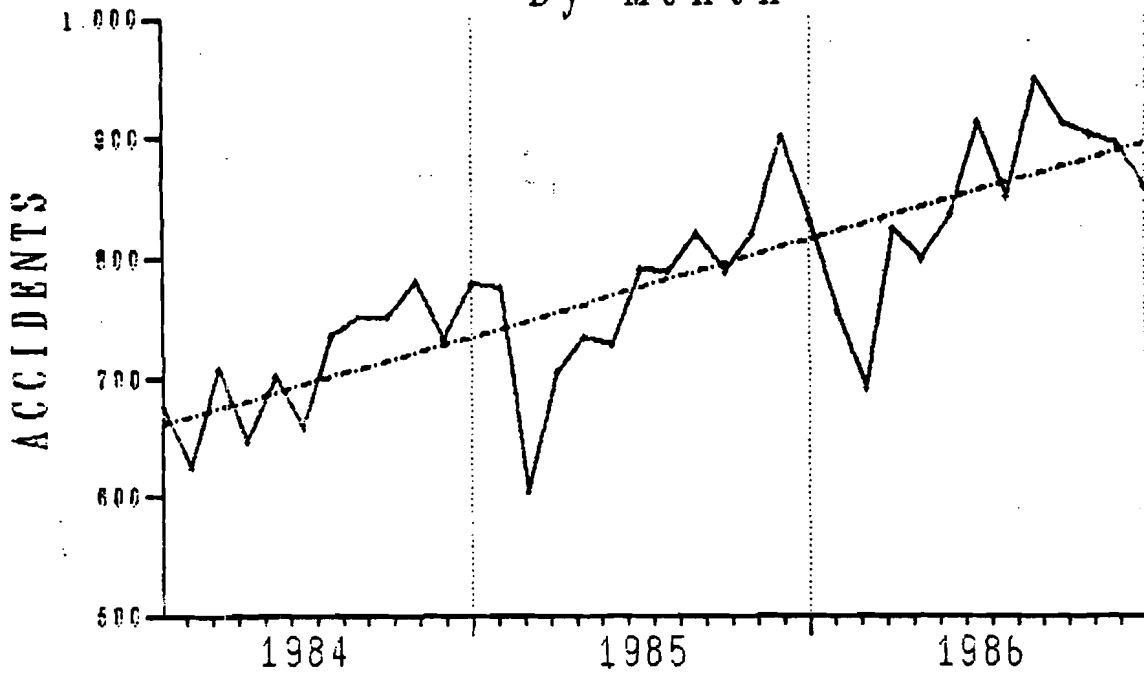
Pedestrian Fatalities
by Month
1984-1986



Speed Related Accidents
by Month
1984-1986

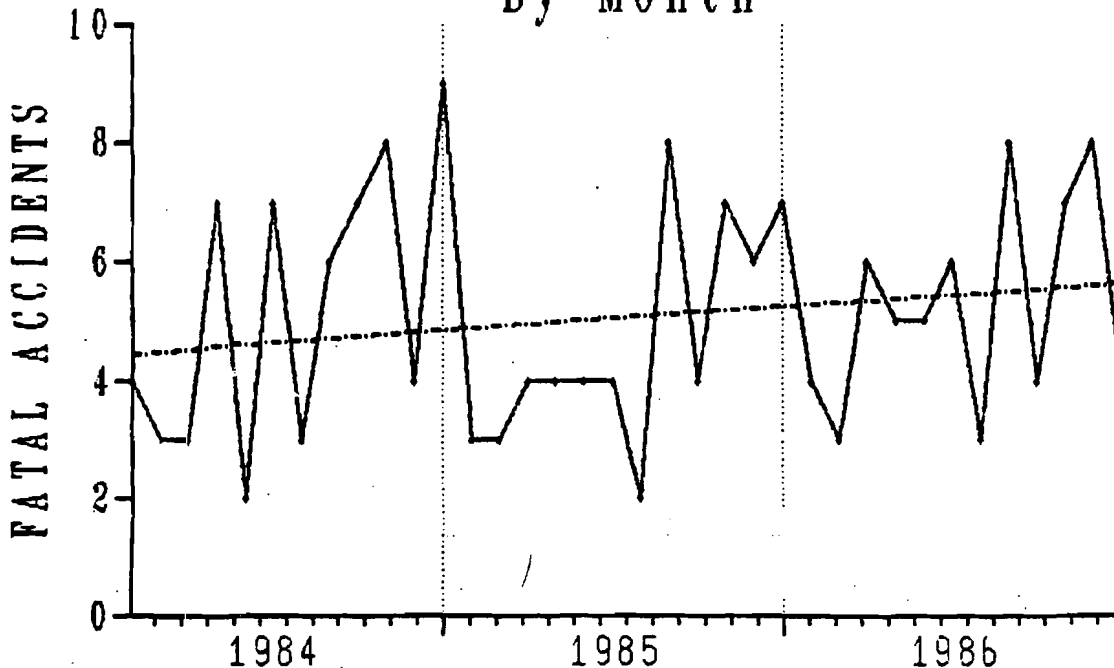


TRAFFIC ACCIDENTS 1984 - 1986 INVOLVING HIT & RUN By Month



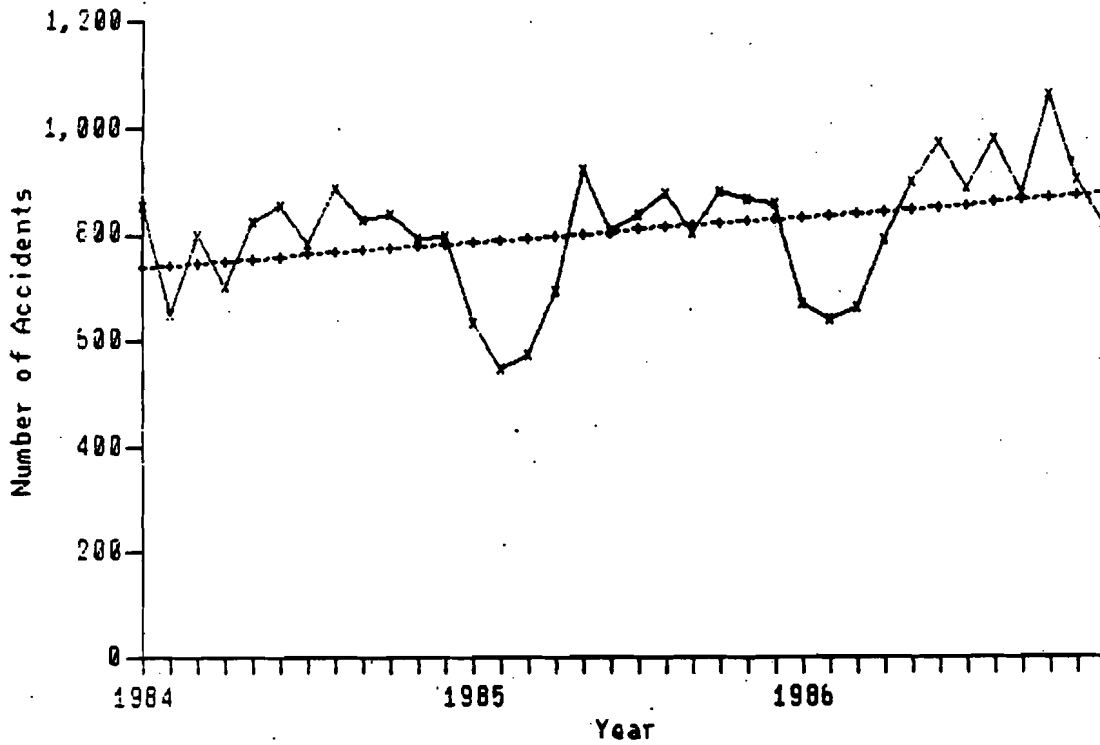
Source: Center for Highway Safety, PADOT

FATAL ACCIDENTS 1984 - 1986 INVOLVING HIT & RUN By Month

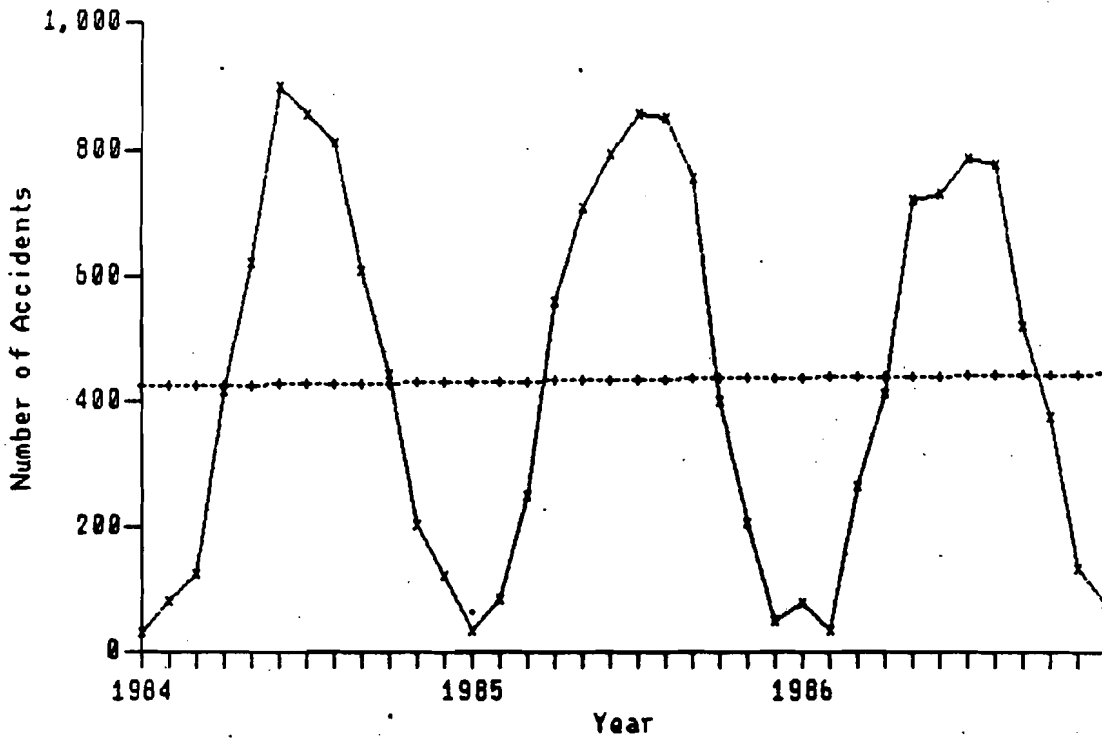


Source: Center for Highway Safety, PADOT

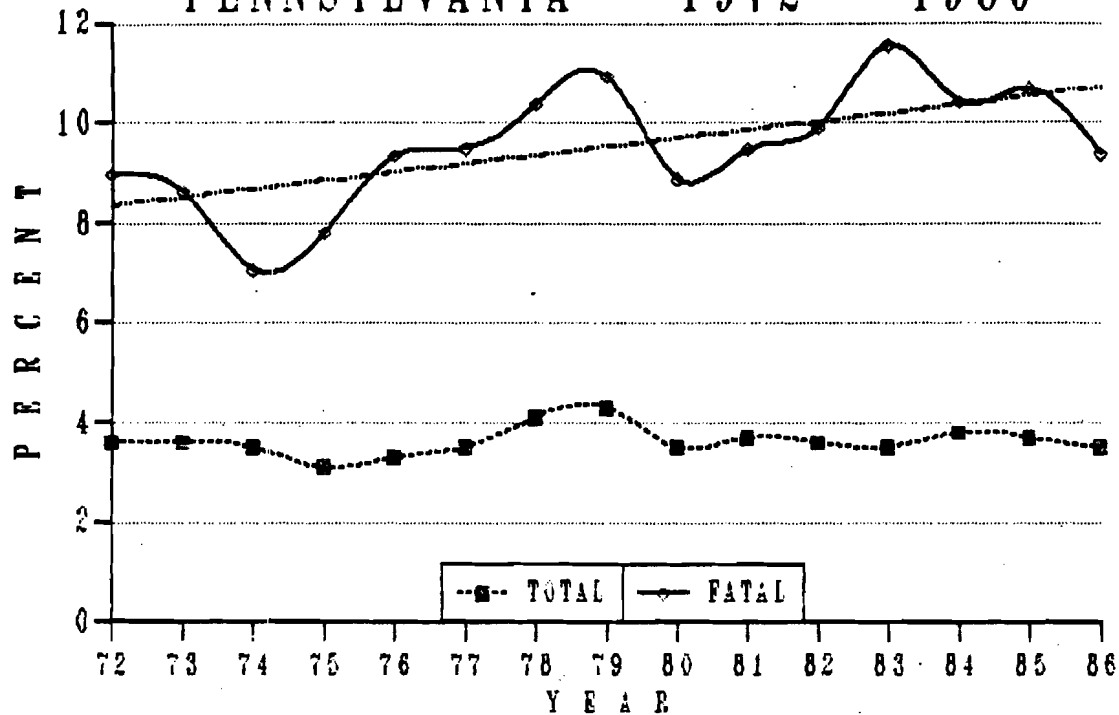
1985 Tailgating Related Accidents
1984-1986



Motorcycle Accidents
by Month
1984-1986

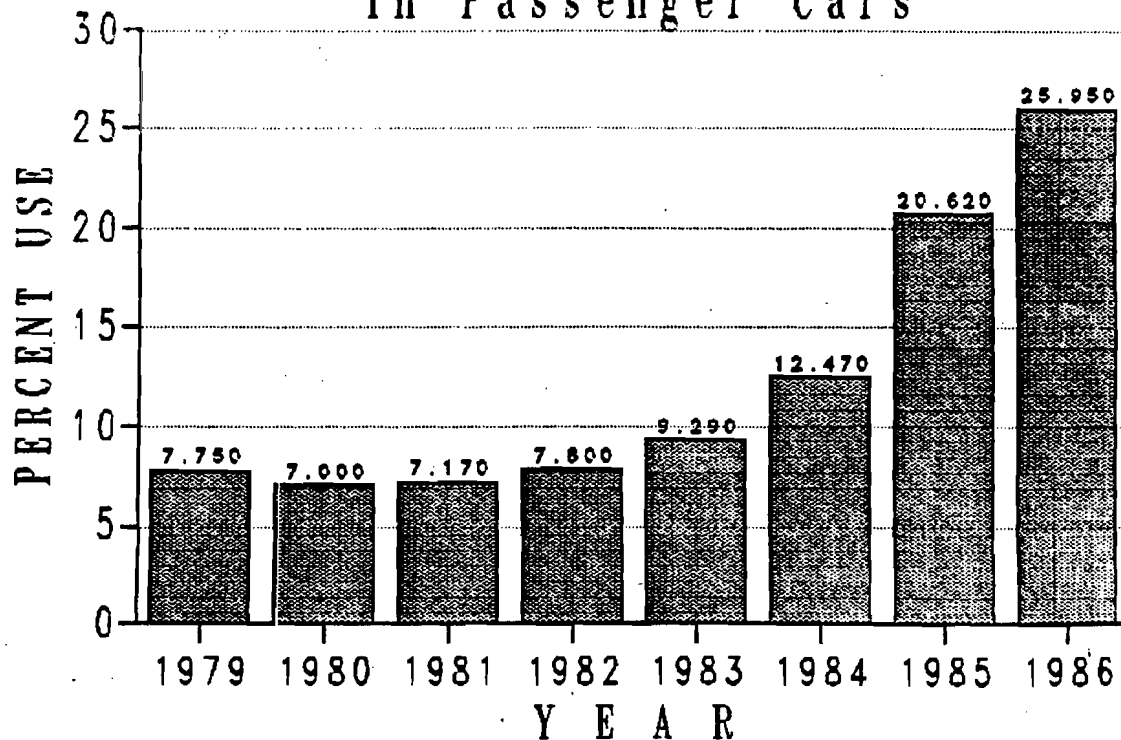


PERCENT OF ACCIDENTS INVOLVING TRACTOR TRAILERS PENNSYLVANIA 1972 - 1986

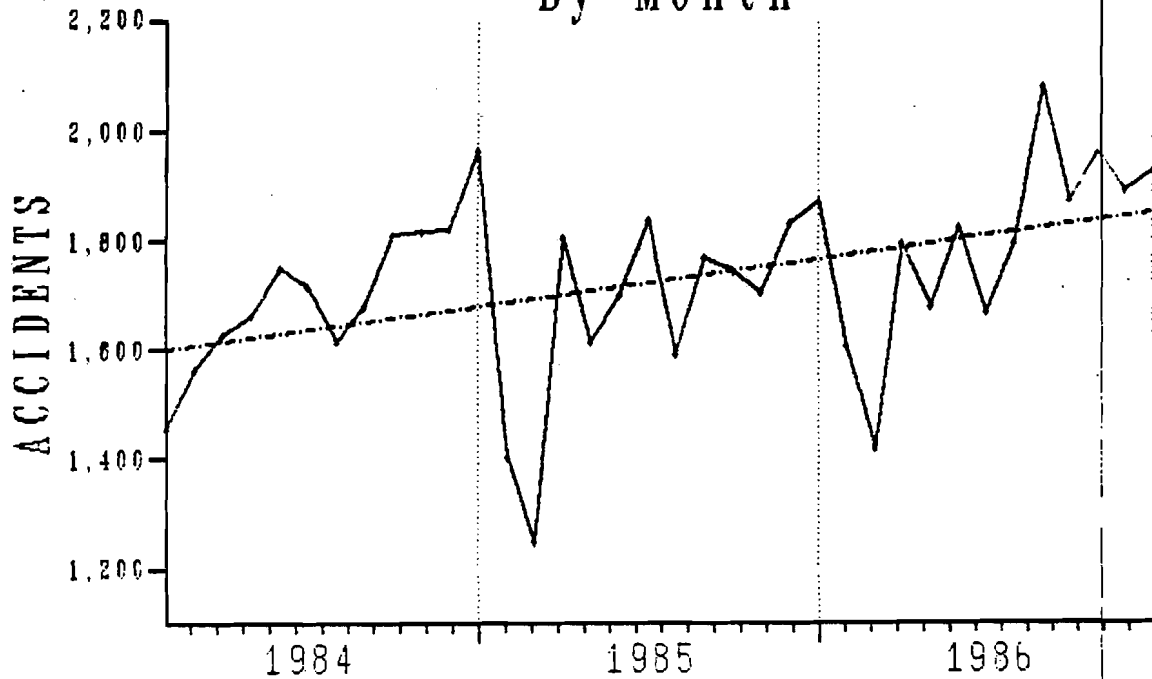


Source: PADOT, Center for Highway Safety

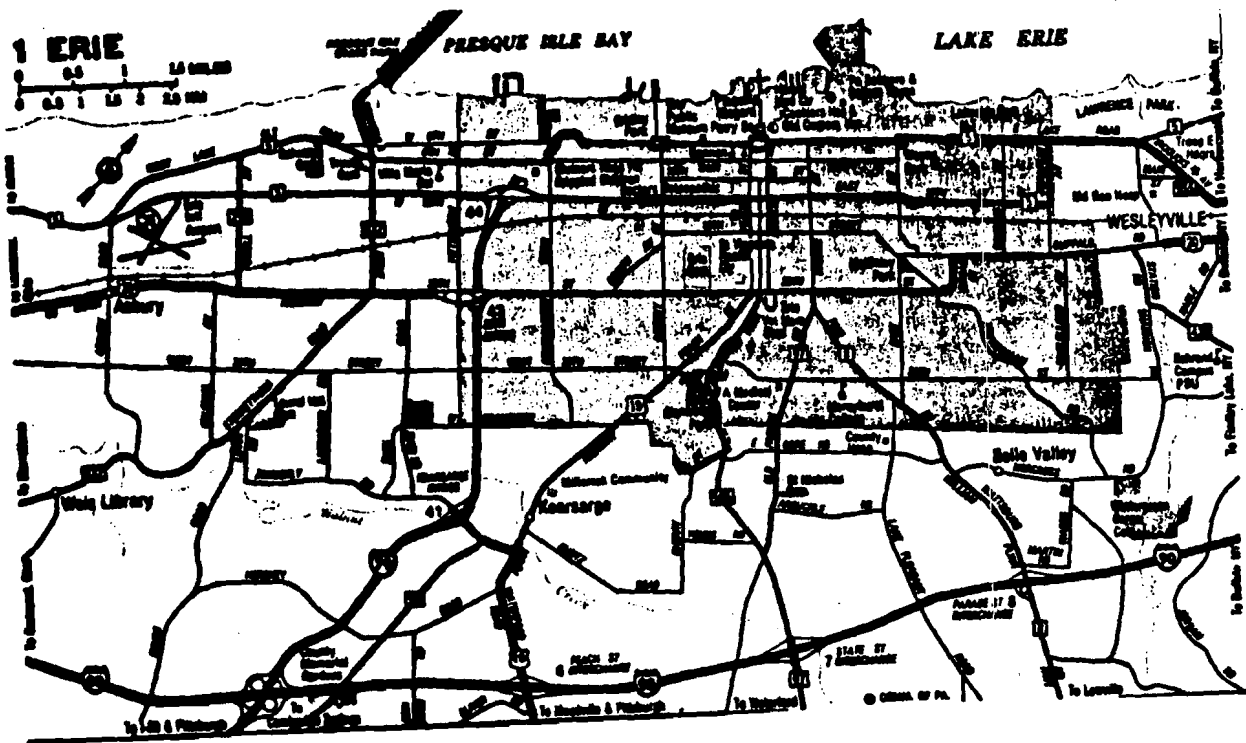
PENNSYLVANIA ACCIDENTS REPORTED SAFETY BELT USE In Passenger Cars



TRAFFIC ACCIDENTS 1984 - 1986 INVOLVING ALCOHOL By Month



Source: Center for Highway Safety, PADOT



III. GEOGRAPHIC INFORMATION

1986

COUNTY	FATALITIES ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS	TOTAL ACCIDENTS
ADAMS	17	573	401	991
ALLEGHENY	116	8,839	5,662	14,617
ARMSTRONG	17	457	213	687
BEAVER	28	1,196	744	1,968
BEDFORD	19	369	233	621
BERKS	63	3,032	2,004	5,099
BLAIR	16	987	580	1,583
BRADFORD	19	457	223	699
BUCKS	86	5403	3009	8498
BUTLER	27	1246	727	2000
CAMBRIA	22	990	538	1,550
CAMERON	1	37	42	80
CARBON	16	495	324	835
CENTRE	21	763	460	1244
CHESTER	83	3,590	2,134	5,807
CLARION	11	396	166	573
CLEARFIELD	13	675	351	1,039
CLINTON	8	321	178	507
COLUMBIA	8	598	228	834
CRAWFORD	17	684	376	1,077
CUMBERLAND	29	1,595	1,020	2,644
DAUPHIN	31	2,023	1,288	3,342
DELAWARE	57	4,477	2,370	6,904
ELK	7	253	137	397
ERIE	39	2,625	1,108	3,772
FAYETTE	27	1,186	562	1,775
FOREST	2	65	39	106
FRANKLIN	30	909	512	1,451
FULTON	4	145	114	263
GREENE	8	310	144	462
HUNTINGDON	10	320	163	493
INDIANA	14	767	303	1,084
JEFFERSON	11	386	214	611
JUNIATA	4	142	70	216
LACKAWANNA	26	1,768	854	2,648
LANCASTER	63	3,499	1,763	5,325
LAWRENCE	15	696	354	1,065
LEBANON	18	975	614	1,607
LEHIGH	51	2,900	1,709	4,660
LUZERNE	55	2,615	1,341	4,011
LYCOMING	19	1,008	482	1,509
MCKEAN	9	321	157	487
MERCER	13	920	542	1,475
MIFFLIN	10	349	172	531
MONROE	25	1,271	757	2,053
MONTGOMERY	72	7,192	3,703	10,967
MONTOUR	4	117	68	189
NORTHAMPTON	21	1,840	1,050	2,911
NORTHUMBERLAND	17	589	311	917
PERRY	8	369	204	581
PIKE	8	311	226	545
POTTER	4	115	55	174
SCHUYLKILL	34	1,149	663	1,846
SNYDER	16	303	162	481
SOMERSET	14	528	268	810
SULLIVAN	4	93	24	121
SUSQUEHANNA	10	265	145	420
TIOGA	18	324	136	478
UNION	4	252	136	392
VENANGO	18	584	257	859
WARREN	11	338	233	582
WASHINGTON	38	1,585	981	2,604
WAYNE	11	310	139	460
WESTMORELAND	65	3,086	1,658	4,809
WYOMING	8	295	140	443
YORK	54	3,024	1,662	4,740
PHILADELPHIA	117	12,670	3,367	16,154
TOTAL	1,741	97,972	50,970	150,707 150,683

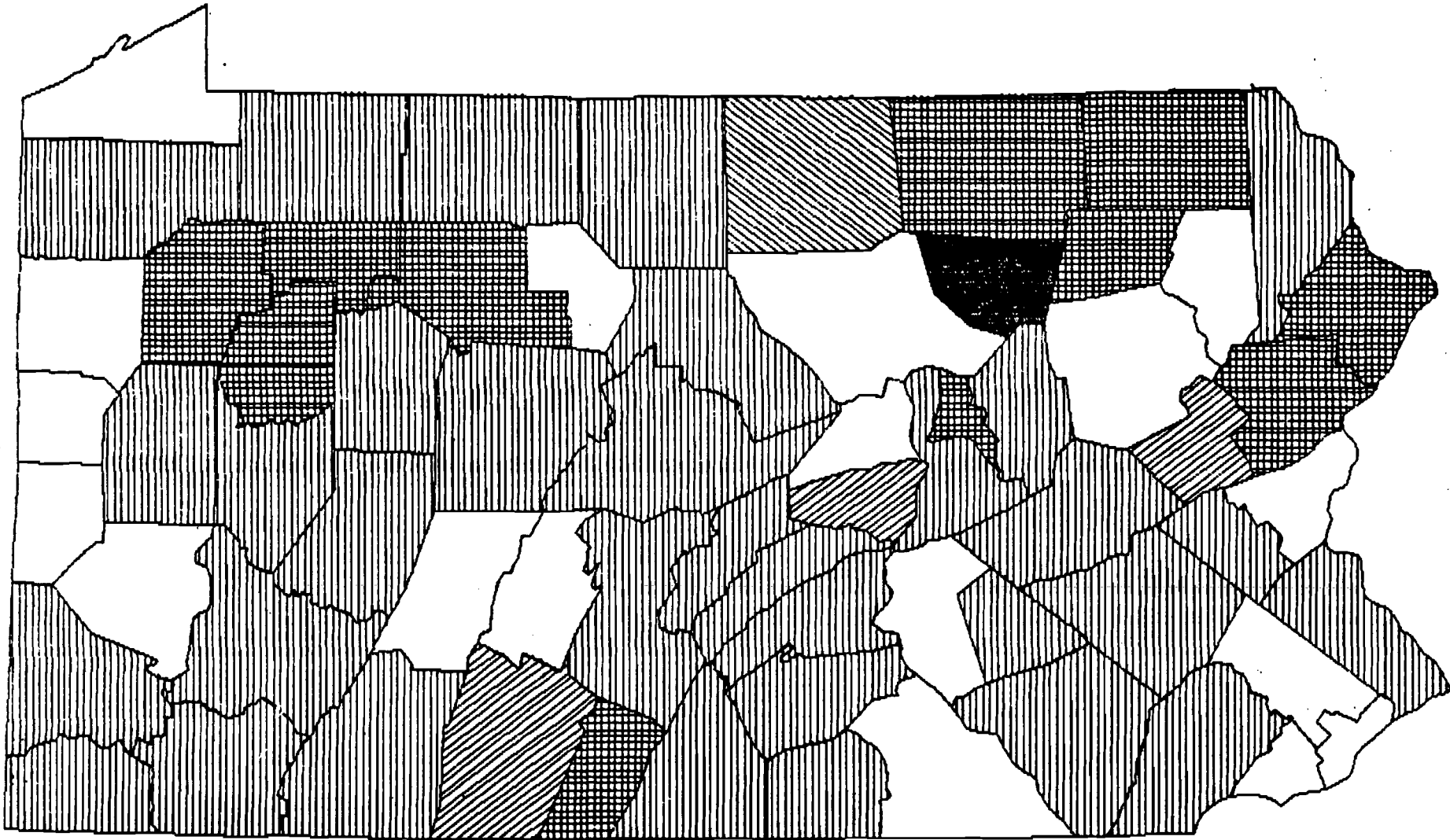
**1986 PENNSYLVANIA DATA BY COUNTY
FATALITIES AND INJURIES AND RATES/10,000 POPULATION**

COUNTY	FATALITIES	FATALITIES PER 10,000 POPULATION	FATALITIES PLUS INJURIES	FAT. + INJ. PER 10,000 POPULATION	FAT/100 MIL VEHICLES MILES	POPULATION
ADAMS	19	2.8996	839	119.207	3.8934	70,382
ALLEGHENY	127	0.9028	12,849	91.342	2.5284	1,406,888
ARMSTRONG	20	2.4954	709	88.464	4.4543	80,146
BEAVER	31	1.5621	1,768	89.089	3.0392	198,453
BEDFORD	21	4.3927	651	136.173	5.6300	47,807
BERKS	67	2.0950	4,491	140.429	3.7704	319,805
BLAIR	16	1.1915	1,464	109.019	2.4465	134,289
BRADFORD	23	3.5918	704	109.940	7.0336	64,035
BUCKS	96	1.8754	8,570	167.415	3.3898	511,903
BUTLER	32	2.0923	1,980	129.462	3.3473	152,941
CAMBRIA	24	1.3638	1,501	85.292	2.8881	175,983
CAMERON	1	1.5251	49	74.729	3.5714	6,557
CARBON	21	3.9221	764	142.689	7.7778	53,543
CENTRE	25	2.1732	1,203	104.576	3.5162	115,036
CHESTER	89	2.6395	5,537	164.210	4.0290	337,190
CLARION	14	3.1505	618	139.070	3.4739	44,438
CLEARFIELD	15	1.7537	1,098	128.370	2.2157	85,534
CLINTON	8	2.0183	512	129.169	2.4242	39,638
COLUMBIA	12	1.9322	917	147.653	2.9484	62,105
CRAWFORD	21	2.3434	1,068	119.179	3.5354	89,613
CUMBERLAND	37	1.9915	2,363	127.185	3.0680	185,793
DAUPHIN	35	1.4816	3,029	128.220	2.2364	236,234
DELAWARE	60	1.0894	6,918	125.604	2.9197	550,779
ELK	10	2.8216	370	96.998	5.4055	38,145
ERIE	43	1.5217	3,957	140.030	3.4566	282,583
FAYETTE	31	1.9439	1,864	116.884	3.9591	159,474
FOREST	2	3.9549	99	195.768	2.8986	5,057
FRANKLIN	33	2.8413	1,352	116.405	4.5020	116,146
FULTON	5	3.6969	233	172.274	3.1847	13,525
GREENE	9	2.1731	463	111.795	2.9508	41,415
HUNTINGDON	10	2.3254	510	118.596	3.5211	43,003
INDIANA	18	1.9215	1,186	126.605	3.0928	93,677
JEFFERSON	11	2.2383	602	122.497	3.0387	49,144
JUNIATA	5	2.5263	223	112.672	2.8736	19,792
LACKAWANNA	28	1.2503	2,700	120.560	2.5641	223,954
LANCASTER	70	1.8187	5,310	137.962	3.4861	384,888
LAWRENCE	15	1.4160	1,074	101.384	3.2258	105,934
LEBANON	21	1.8834	1,411	126.548	3.7906	111,499
LEHIGH	57	2.0511	4,440	159.770	4.2506	277,899
LUZERNE	58	1.7342	4,046	120.974	3.4793	334,451
LYCOMING	19	1.6456	1,552	134.421	2.7338	115,458
MCKEAN	13	2.6484	483	98.398	5.0980	49,087
MERCER	13	1.0272	1,400	110.622	1.4994	126,557
MIFFLIN	11	2.3705	512	110.338	4.1199	48,403
MONROE	25	3.1519	2,005	252.783	3.3422	79,317
MONTGOMERY	78	1.1818	11,064	167.638	2.7121	659,994
MONTOUR	6	3.5342	206	121.341	4.0268	16,977
NORTHAMPTON	24	1.0361	2,738	118.203	2.3369	231,635
NORTHUMBERLAND	19	1.8468	877	85.245	3.6190	100,288
PERRY	9	2.3569	589	154.249	2.7607	38,185
PIKE	8	3.7576	509	239.079	2.9963	21,290
POTTER	4	2.1362	180	96.128	3.2787	18,725
SCHUYLKILL	36	2.2986	1,779	113.588	4.0359	156,619
SNYDER	19	5.2627	472	130.737	7.3643	36,103
SOMERSET	15	1.8162	841	101.831	3.2051	82,588
SULLIVAN	5	8.1766	135	220.769	9.0909	6,115
SUSQUEHANNA	15	3.8048	424	107.549	4.0872	39,424
TIOGA	25	6.1219	499	122.193	8.0128	40,837
UNION	5	1.4942	386	115.355	1.8519	33,462
VENANGO	19	2.9650	848	132.333	4.0685	64,081
WARREN	13	2.7500	496	104.922	4.2763	47,273
WASHINGTON	40	1.8414	2,362	108.735	2.7529	217,225
WAYNE	11	2.8878	479	125.751	4.4000	38,091
WESTMORELAND	73	1.8911	4,838	125.331	3.8665	386,017
WYOMING	10	3.6346	442	160.651	5.8140	27,513
YORK	55	1.6865	4,481	137.402	3.0336	326,123
PHILADELPHIA	118	0.7211	19,973	122.056	3.3062	1,636,385

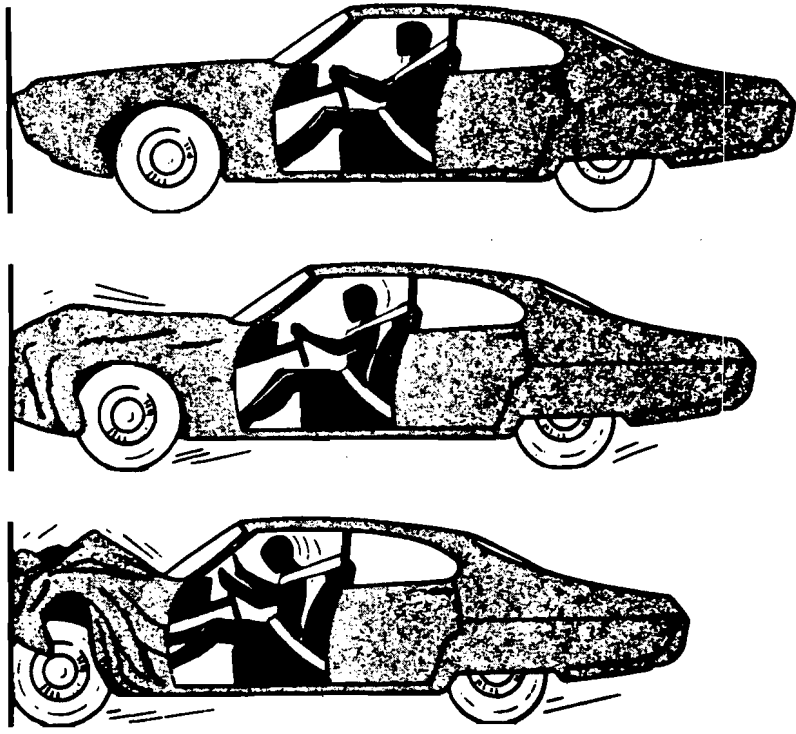
1986 PENNSYLVANIA DATA BY COUNTY MISCELLANEOUS ACCIDENT DATA

COUNTY	FATALITIES	% DEAD AT SCENE	TOTAL ACCIDENTS	% ACCIDENTS DRV < 21	% ALCOHOL ACCIDENTS DRV < 21	% LATE NITE WEEKEND ACCIDENTS
ADAMS	19	73.68	991	24.27	17.48	16.347
ALLEGHENY	127	41.73	14,617	15.69	12.70	12.978
ARMSTRONG	20	55.00	687	20.80	14.18	15.429
BEAVER	31	54.84	1,968	18.96	15.27	13.059
BEDFORD	21	57.14	621	20.68	19.59	15.459
BERKS	67	38.81	5,099	20.09	15.61	11.708
BLAIR	16	31.25	1,583	21.16	16.82	12.571
BRADFORD	23	69.57	699	21.86	15.00	18.026
BUCKS	96	19.79	8,498	21.39	18.46	11.367
BUTLER	32	43.75	2,000	20.53	15.96	13.600
CAMBRIA	24	54.17	1,550	19.77	22.36	14.581
CAMERON	1	0.00	80	20.20	30.00	20.000
CARBON	21	52.38	835	22.87	21.83	14.970
CENTRE	25	20.00	1,244	20.20	20.78	13.023
CHESTER	89	17.98	5,807	19.79	17.48	11.710
CLARION	14	64.29	573	17.91	15.44	13.438
CLEARFIELD	15	40.00	1,039	21.78	16.81	13.763
CLINTON	8	12.50	507	19.97	16.87	14.990
COLUMBIA	12	75.00	834	25.16	18.26	14.508
CRAWFORD	21	52.38	1,077	22.08	22.75	13.185
CUMBERLAND	37	64.86	2,644	22.22	16.23	11.195
DAUPHIN	35	48.57	3,342	17.45	15.28	12.657
DELAWARE	60	31.67	6,904	17.43	13.99	11.587
ELK	10	30.00	397	20.57	17.35	15.365
ERIE	43	44.19	3,772	19.41	15.43	13.097
FAYETTE	31	32.26	1,775	19.40	14.60	17.859
FOREST	2	100.00	106	14.88	5.56	15.094
FRANKLIN	33	39.39	1,451	24.38	20.81	11.647
FULTON	5	60.00	263	18.73	24.00	12.167
GREENE	9	66.67	462	23.27	17.86	13.636
HUNTINGDON	10	40.00	493	21.95	14.42	12.982
INDIANA	18	66.67	1,084	19.04	17.33	15.314
JEFFERSON	11	54.55	611	22.41	20.80	14.566
JUNIATA	5	60.00	216	22.95	23.73	15.278
LACKAWANNA	28	7.14	2,648	19.28	16.76	14.804
LANCASTER	70	47.14	5,325	20.38	15.00	11.136
LAWRENCE	15	60.00	1,065	19.28	18.82	12.488
LEBANON	21	47.62	1,607	23.31	17.52	11.450
LEHIGH	57	42.11	4,660	18.65	16.09	13.090
LUZERNE	58	43.10	4,011	21.99	18.29	15.108
LYCOMING	19	42.11	1,509	19.78	16.13	13.121
MCKEAN	13	69.23	487	21.54	16.07	17.864
MERCER	13	38.46	1,475	20.35	19.05	12.678
MIFFLIN	11	36.36	531	21.48	17.56	16.008
MONROE	25	52.00	2,053	18.60	15.21	13.785
MONTGOMERY	78	14.10	10,967	17.57	16.35	10.149
MONTOUR	6	33.33	189	18.48	14.81	15.873
NORTHAMPTON	24	41.67	2,911	22.80	19.81	13.329
NORTHUMBERLAND	19	36.84	917	22.43	13.46	13.850
PERRY	9	66.67	581	23.10	18.44	16.867
PIKE	8	50.00	545	17.38	17.91	12.661
POTTER	4	100.00	174	17.89	7.32	18.966
SCHUYLKILL	36	55.56	1,846	20.82	20.80	14.301
SNYDER	19	73.68	481	20.08	17.39	12.890
SOMERSET	15	60.00	810	19.92	18.38	13.580
SULLIVAN	5	60.00	121	20.41	10.53	21.488
SUSQUEHANNA	15	80.00	420	24.05	23.33	15.714
TIOGA	25	80.00	478	22.12	18.55	14.854
UNION	5	20.00	392	24.37	18.52	11.224
VENANGO	19	73.68	859	18.10	15.12	12.224
WARREN	13	46.15	582	21.24	15.56	15.120
WASHINGTON	40	35.00	2,604	20.32	16.03	14.823
WAYNE	11	36.36	460	23.77	17.65	12.174
WESTMORELAND	73	17.81	4,809	19.73	15.81	14.993
WYOMING	10	50.00	443	21.14	10.48	15.350
YORK	55	45.45	4,740	23.56	18.52	12.363
PHILADELPHIA	118	13.56	16,154	11.92	8.87	10.344

1986 FATALITY RATES PER 10,000 POPULATION
PENNSYLVANIA STATE HIGHWAY

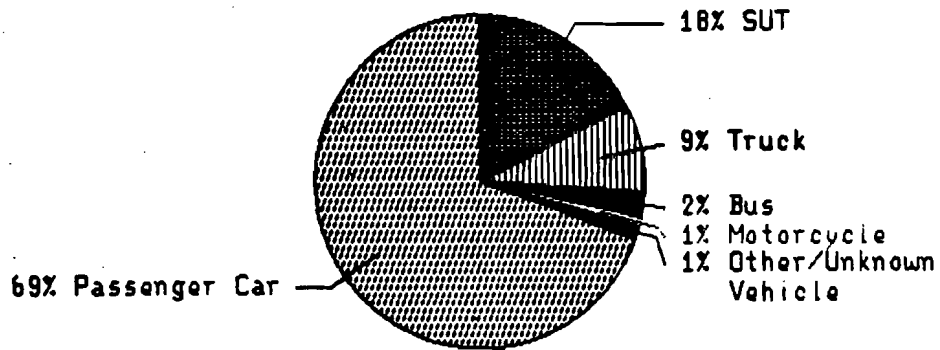


FATALITY RATE	0-1.7	1.8-2.9	3.0-4.1
			
			
			

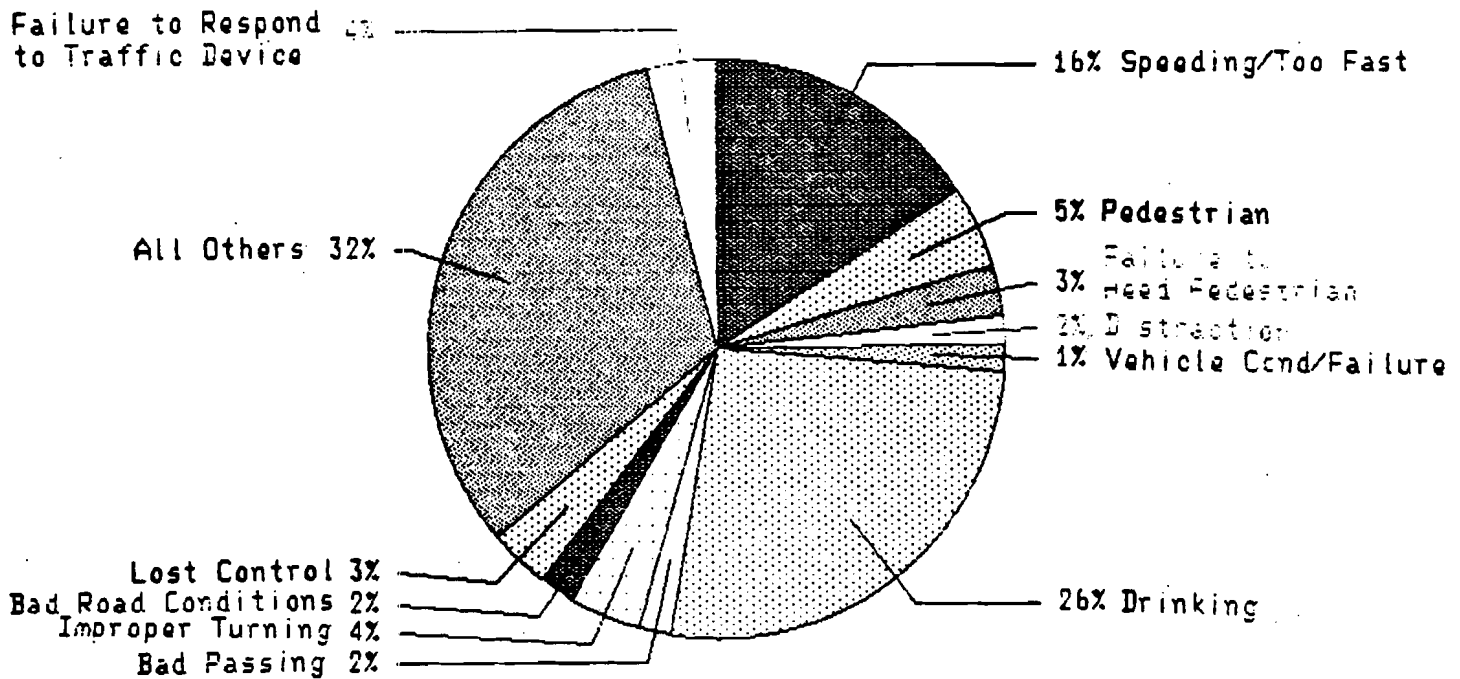


IV. FATALITY AND INJURY CHARACTERISTICS

Type of Vehicle to Kill Pedestrian 1986 Accidents

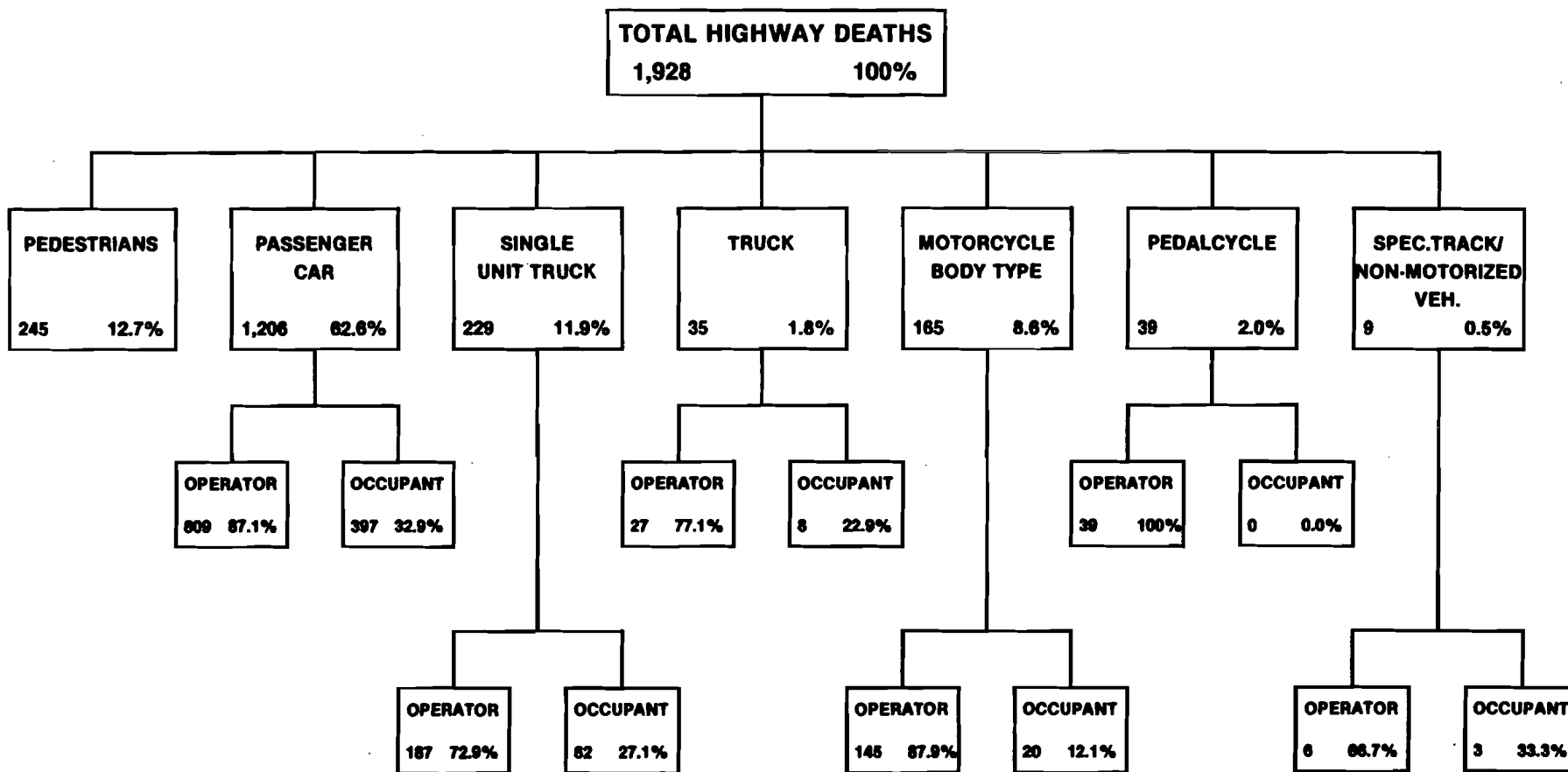


Fatal Accident Causation Factors 1986

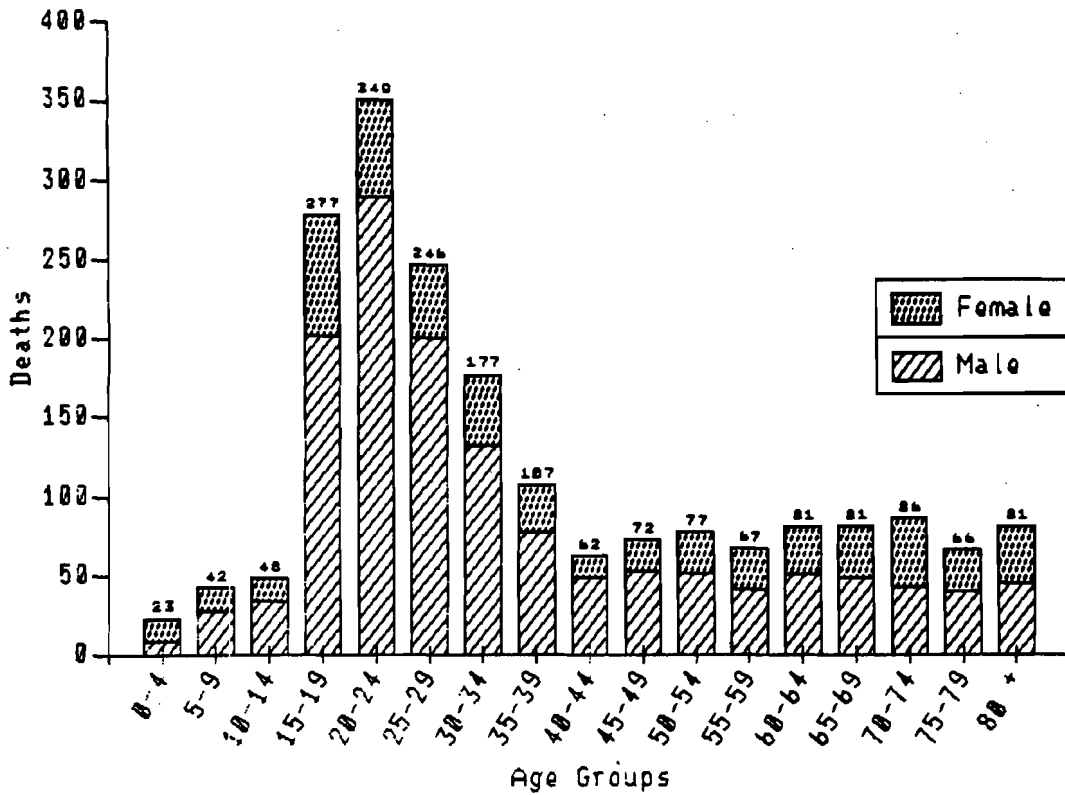


1986

HIGHWAY DEATHS: DISTRIBUTION BY VEHICLE TYPE

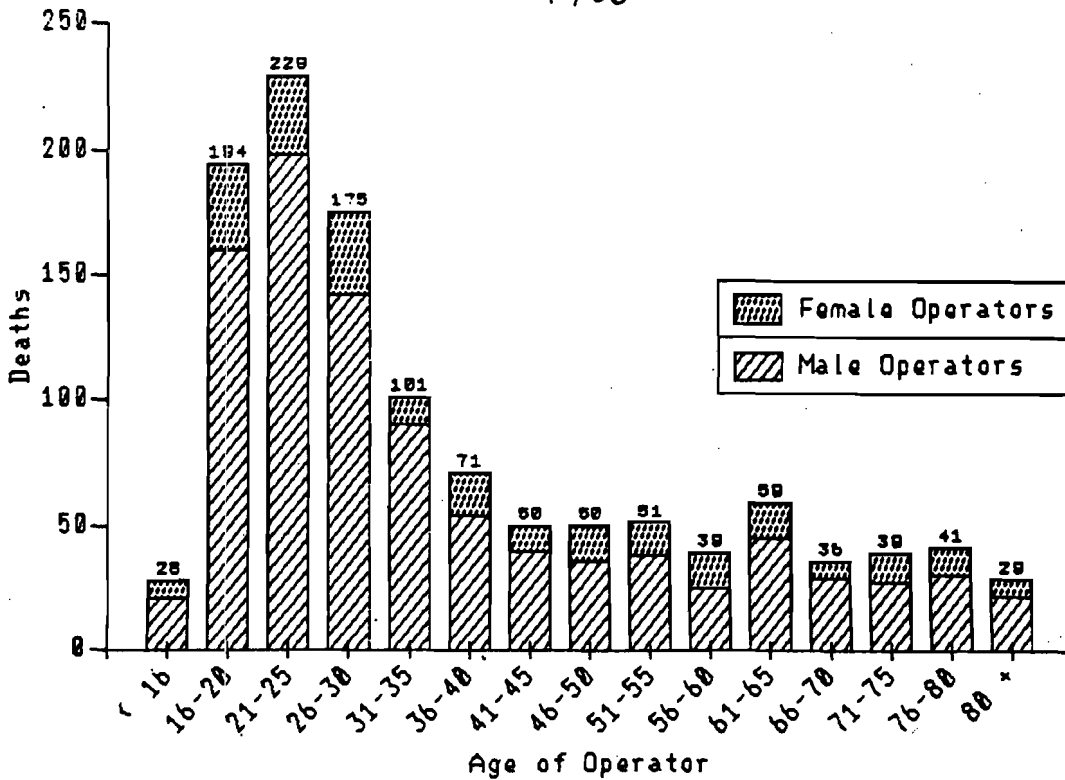


1986 Highway Deaths
By Age and Sex

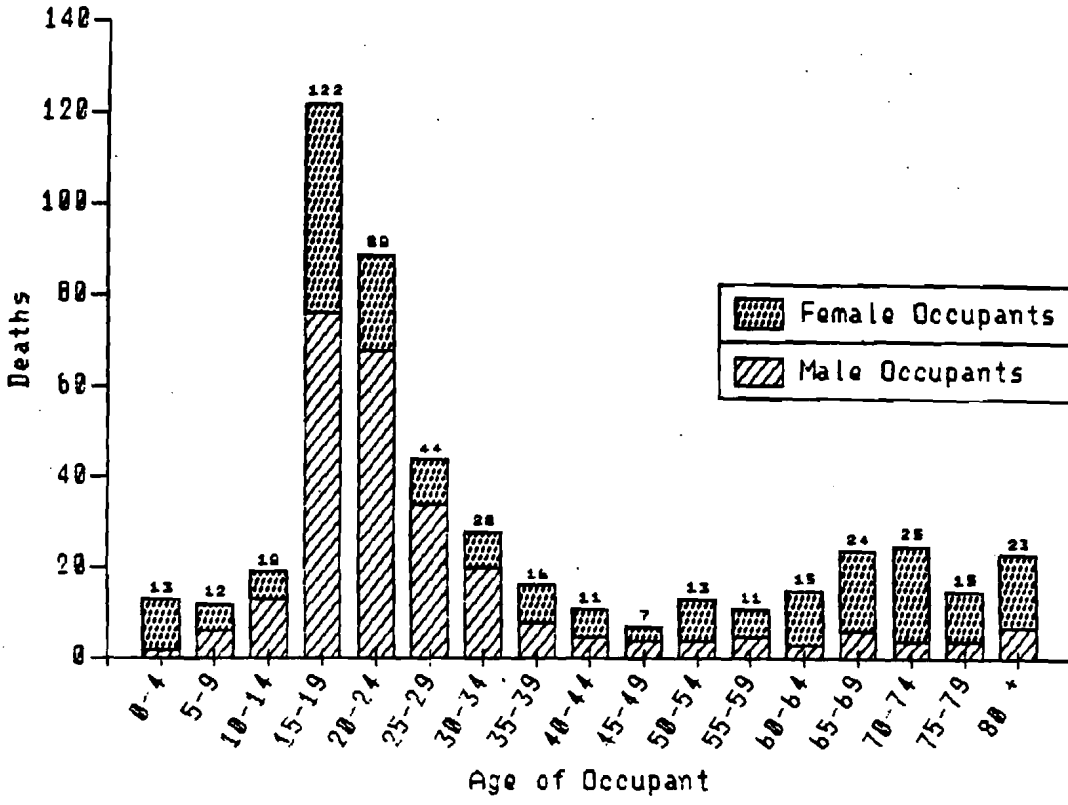


Vehicle Operator Deaths
Distribution by Age and Sex

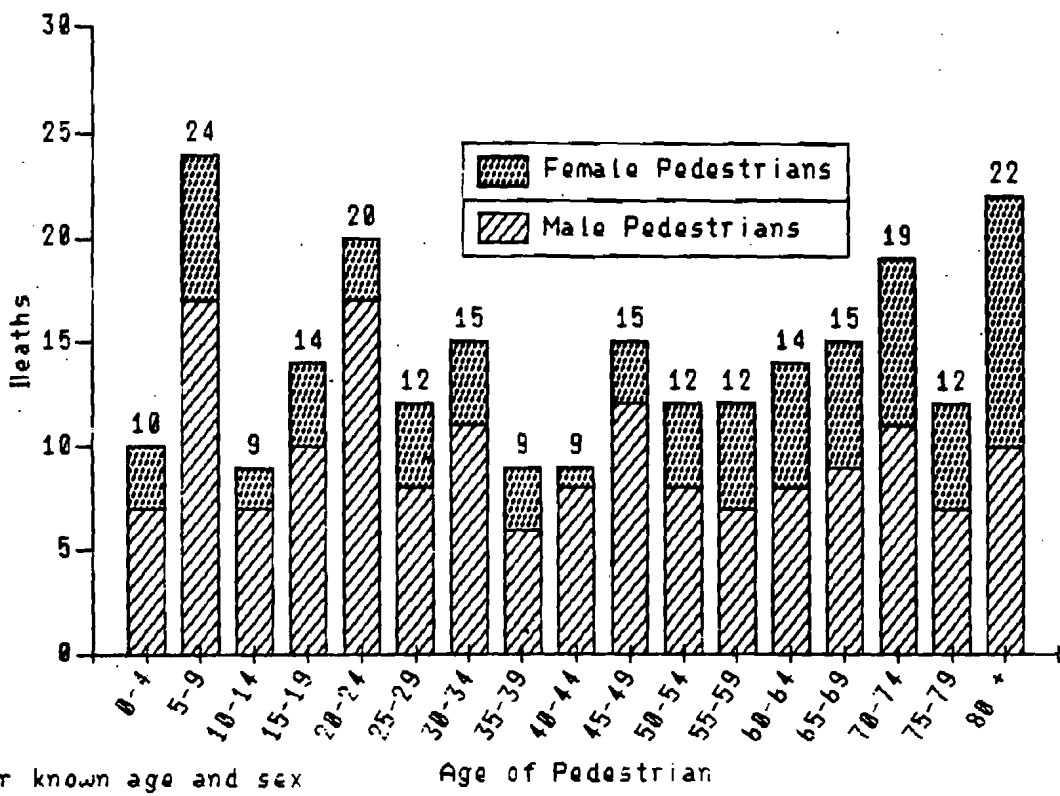
1986



Vehicle Occupant Deaths
Distribution by Age and Sex
1986

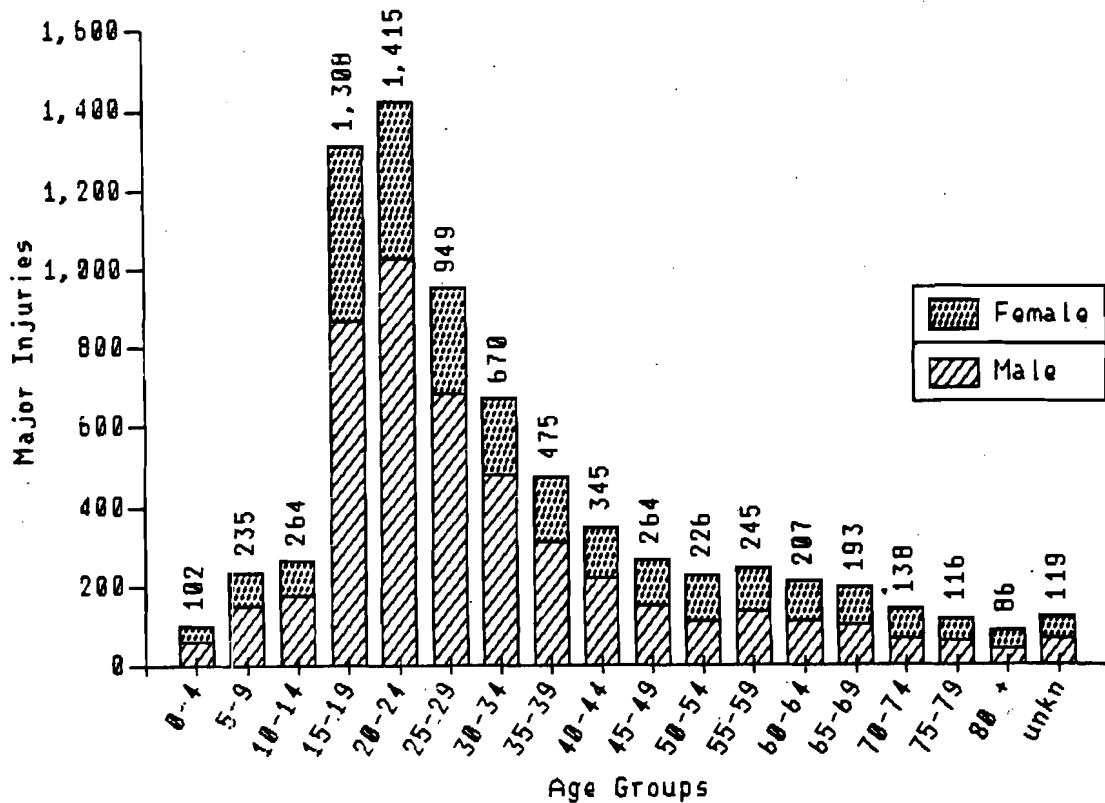


Pedestrian Deaths
Distribution by Age and Sex*
1985 Accidents

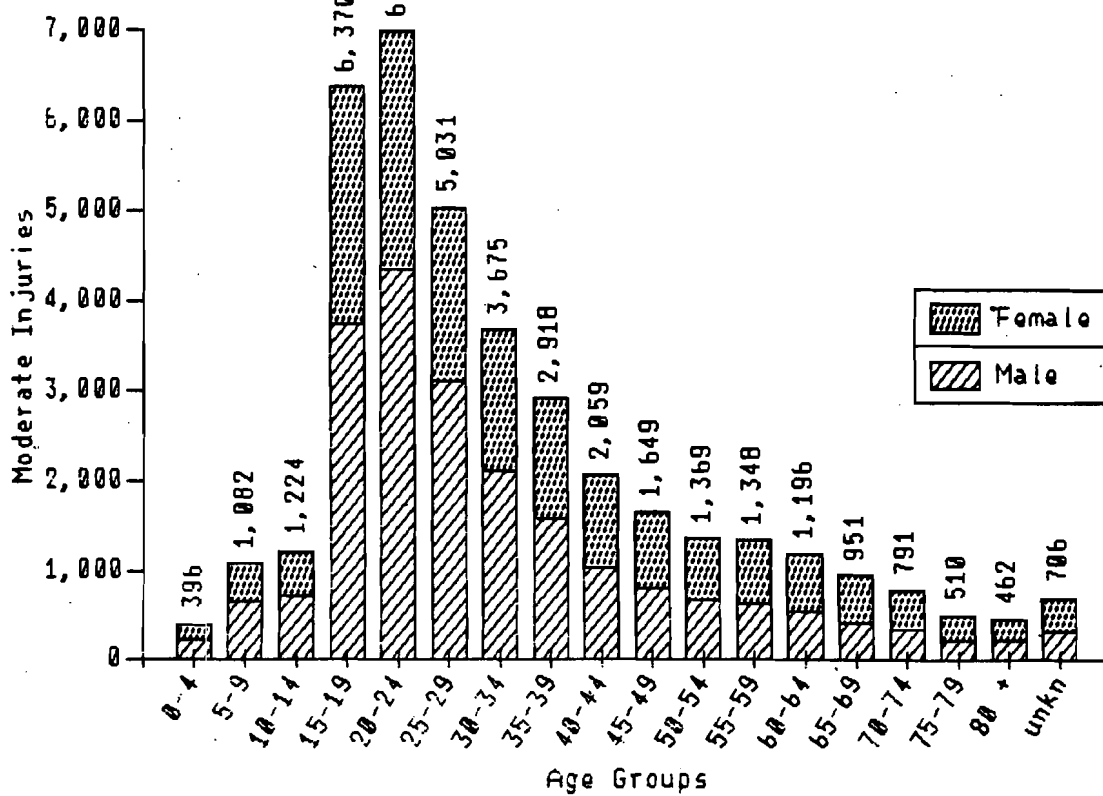


*For known age and sex

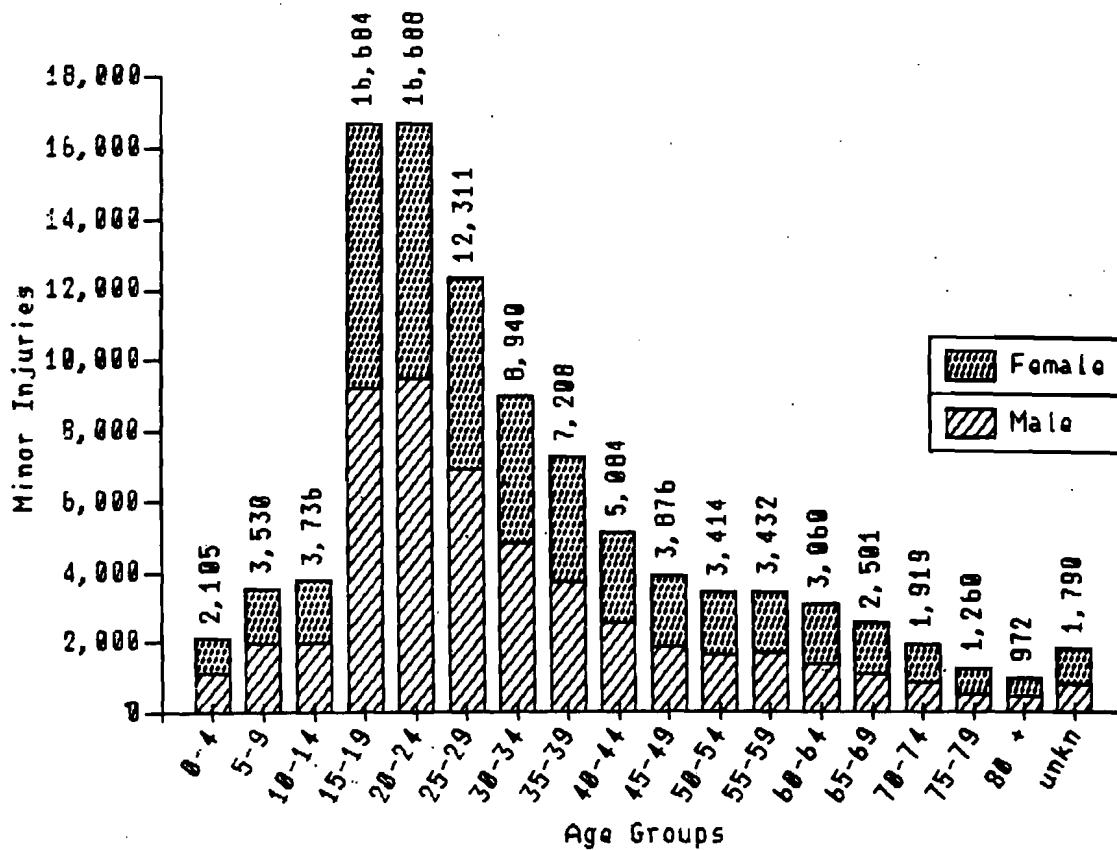
1986 Major Injuries
By Age and Sex



1986 Moderate Injuries
By Age and Sex



1985 Minor Injuries
By Age and Sex

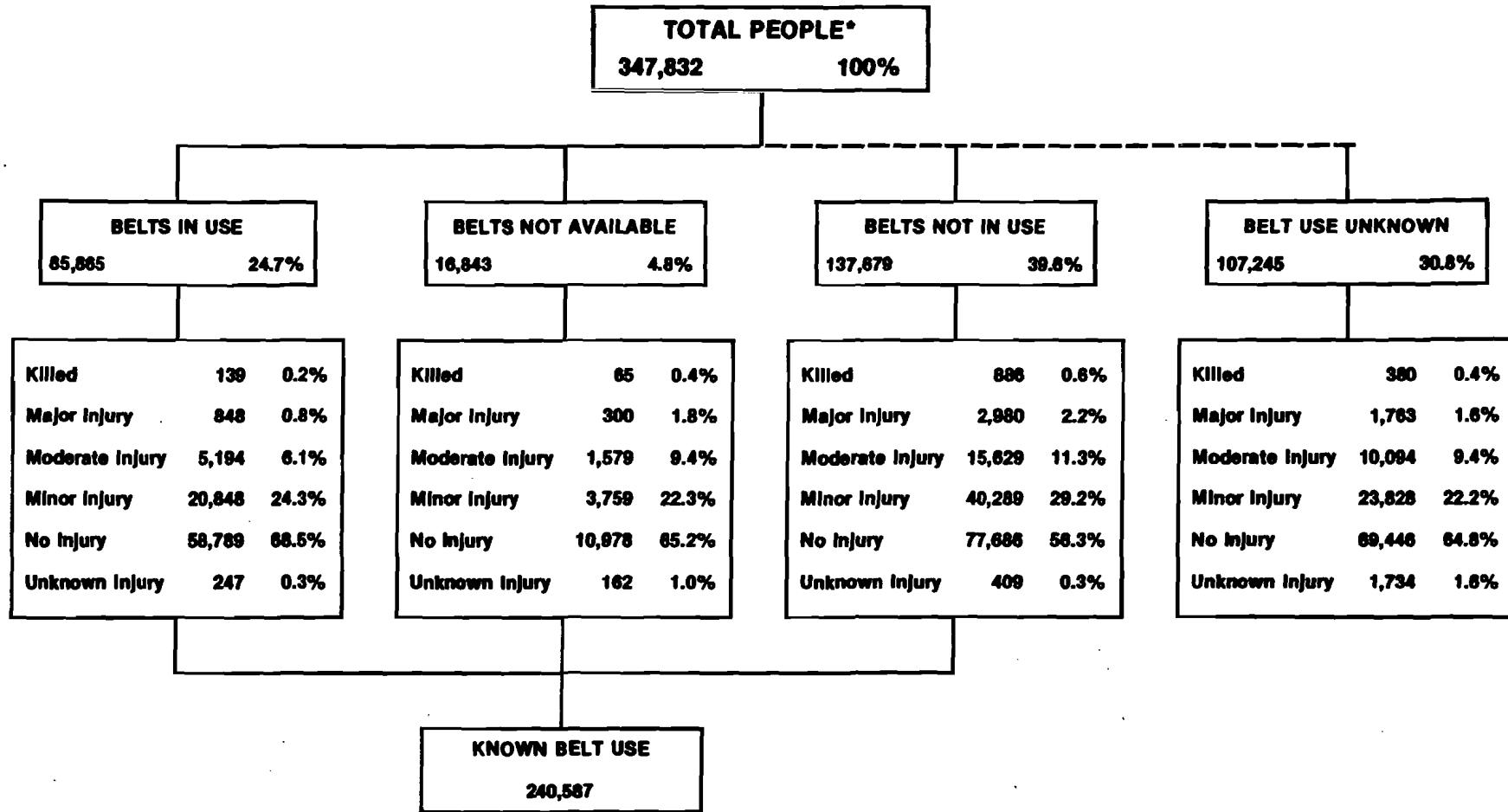




V. SEAT BELT STATISTICS

1986

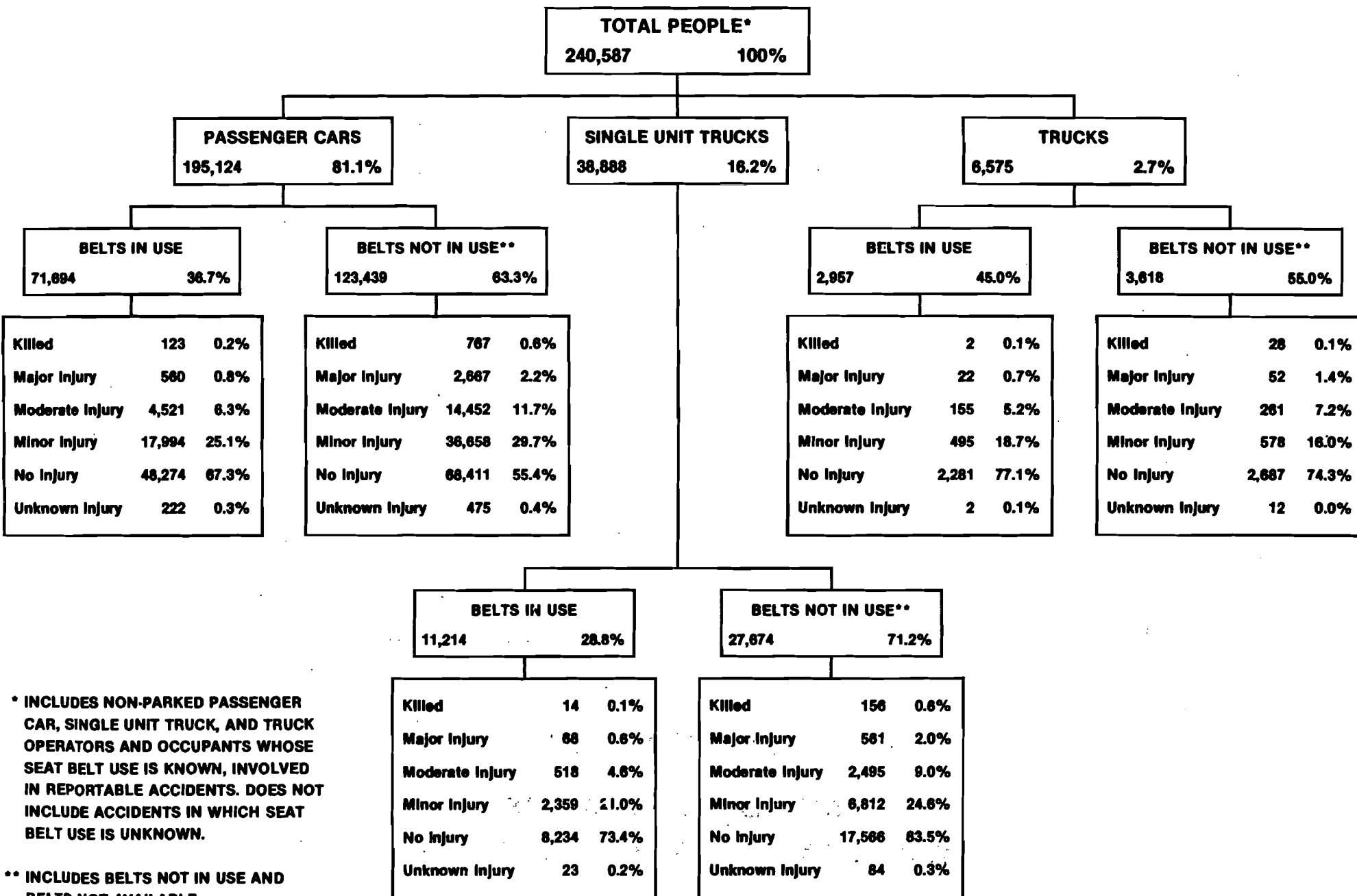
TOTAL PEOPLE INVOLVED IN ACCIDENTS: DISTRIBUTION BY BELT USAGE



* INCLUDES NON-PARKED PASSENGER CAR, SINGLE UNIT TRUCK, AND TRUCK OPERATORS AND OCCUPANTS IN REPORTABLE ACCIDENTS.

1986

TOTAL PEOPLE INVOLVED IN ACCIDENTS: DISTRIBUTION BY VEHICLE TYPE

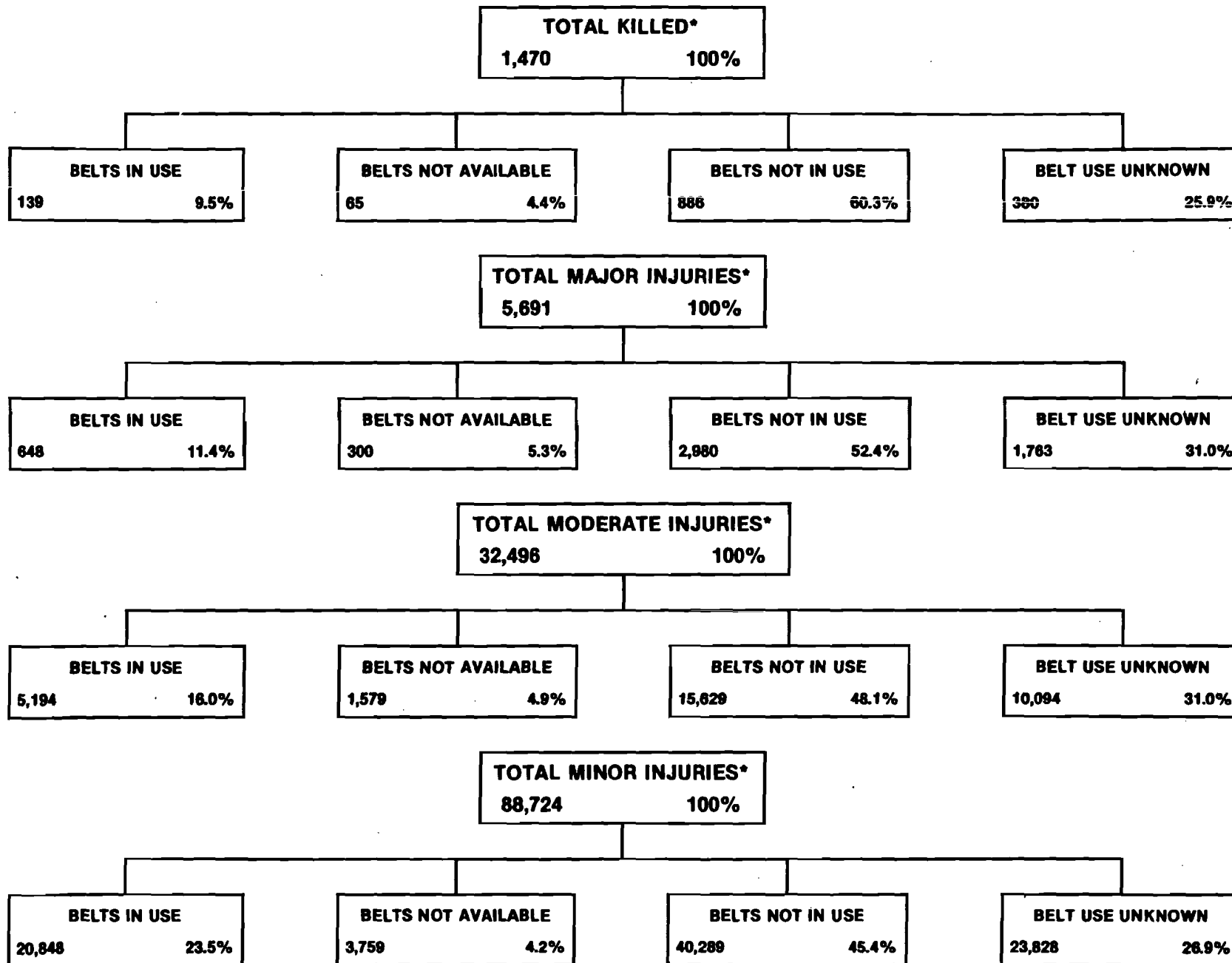


* INCLUDES NON-PARKED PASSENGER CAR, SINGLE UNIT TRUCK, AND TRUCK OPERATORS AND OCCUPANTS WHOSE SEAT BELT USE IS KNOWN, INVOLVED IN REPORTABLE ACCIDENTS. DOES NOT INCLUDE ACCIDENTS IN WHICH SEAT BELT USE IS UNKNOWN.

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

1986

INJURY SEVERITY OF PERSONS BY BELT USAGE



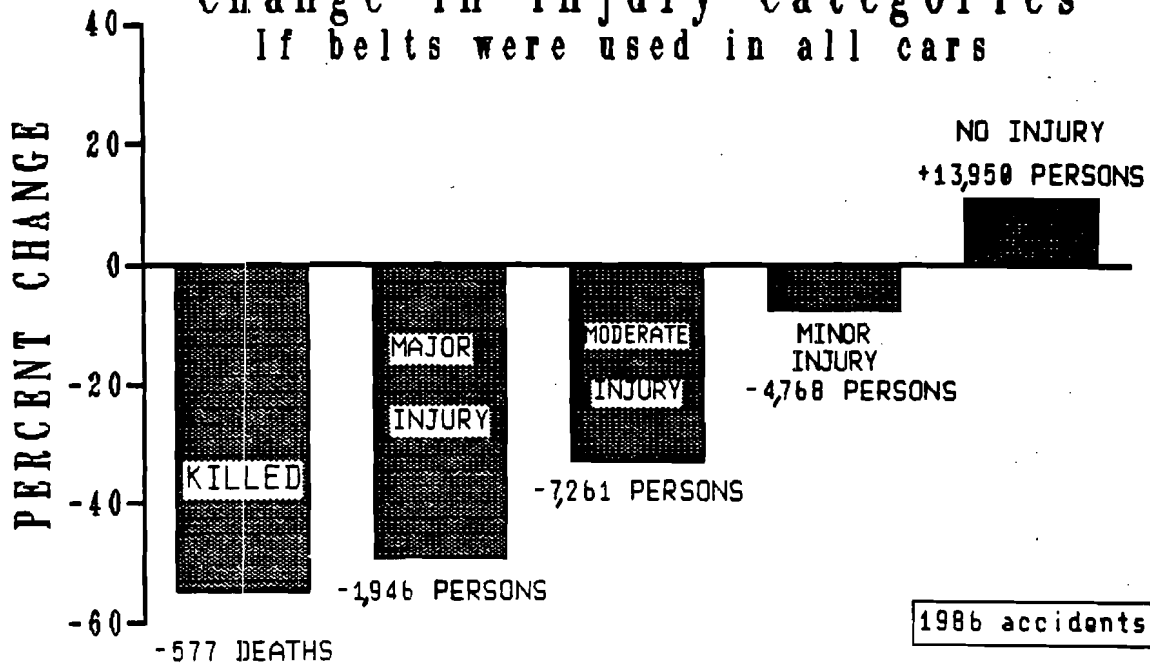
* INCLUDES ALL NON-PARKED PASSENGER CAR, SINGLE UNIT TRUCK AND TRUCK OPERATORS AND OCCUPANTS IN REPORTABLE ACCIDENTS.

1986 ~~1984~~ **IMPACT OF 100% BELT USE ON FATALITIES & INJURIES — PASSENGER CARS ONLY**

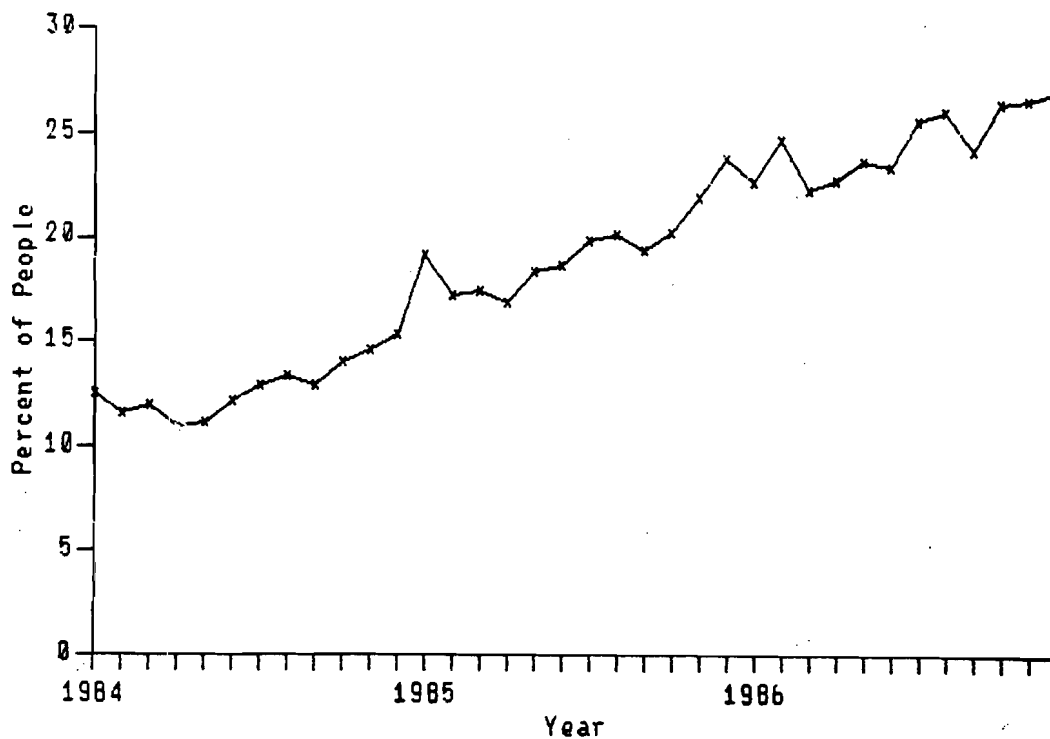
	SUM					
	KILLED	MAJOR INJURY	MODERATE INJURY	MINOR INJURY	NO INJURY	TOTAL PERSONS
NO BELTS	30	150	979	2,349	5,734	9,242
BELTS USED	122	530	4,307	16,755	42,398	64,112
BELTS NOT USED	693	2,375	12,784	32,241	56,336	104,429
USE UNKNOWN	207	898	4,564	10,193	22,942	38,804
TOTAL	1,052	3,953	22,634	61,538	127,410	216,587
EXPECTED 100% USE	473	1,997	15,332	56,665	141,040	-0-
NET GAIN/LOSS	- 577	- 1,946	- 7,261	- 4,768	13,950	-0-

EFFECT OF 100% BELT USE IN PASSENGER CAR ACCIDENTS

Change in Injury Categories If belts were used in all cars



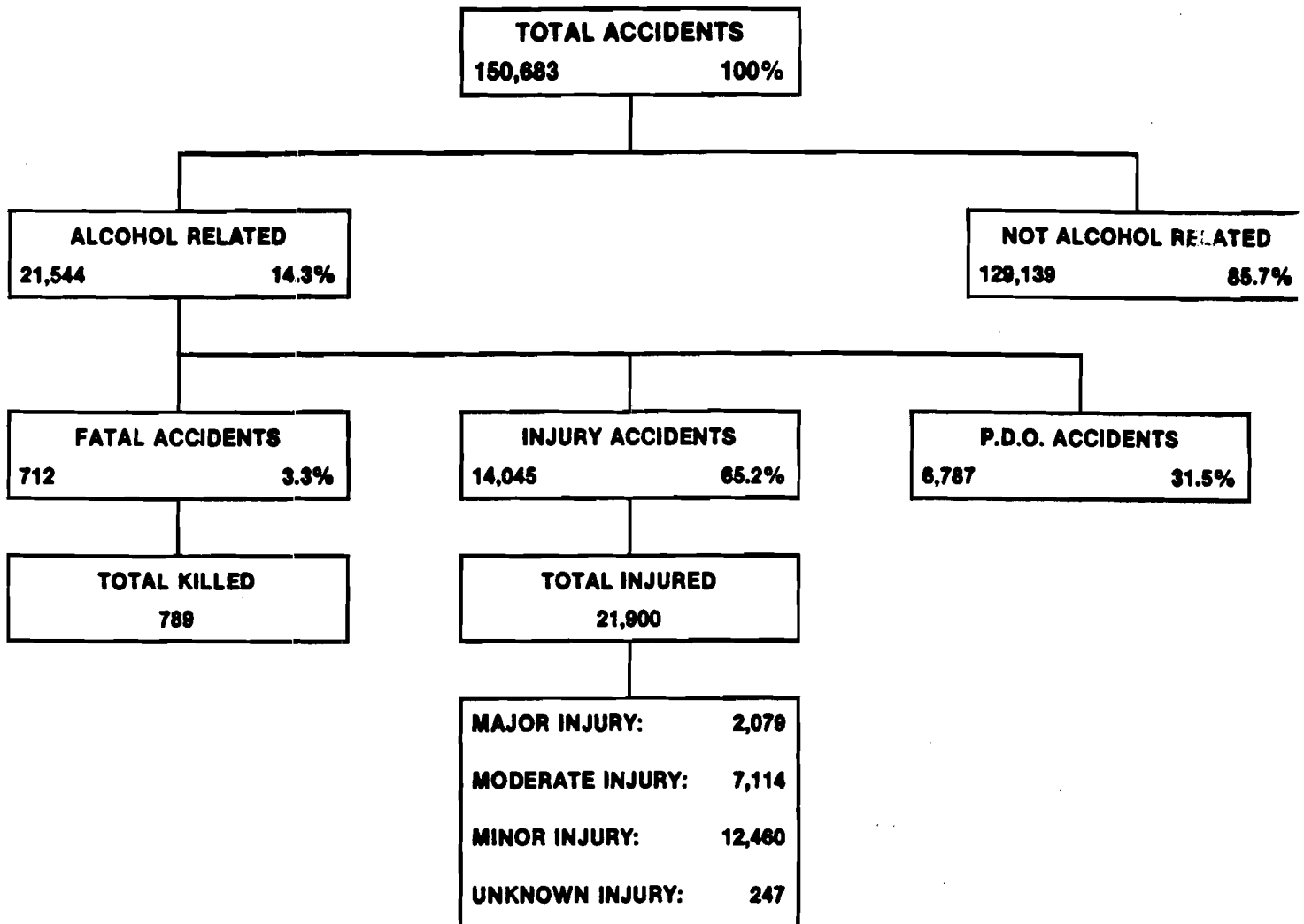
Percent of People Involved in Accidents Wearing Seat Belts
1984-1986





VI. ALCOHOL INVOLVEMENT IN ACCIDENTS

1986 **ALCOHOL INVOLVEMENT IN ACCIDENTS**
DISTRIBUTION BY ACCIDENT SEVERITY



ECONOMIC LOSS DUE TO ALCOHOL RELATED ACCIDENTS = \$573,914,826.00

THE ECONOMIC LOSS TO EVERY MAN, WOMAN, AND CHILD IN PENNSYLVANIA DUE TO ALCOHOL RELATED ACCIDENTS IN 1986 WAS \$48.00.

1986

ALCOHOL RELATED ACCIDENTS BY ILLUMINATION

ALCOHOL RELATED ACCIDENTS
21,544 100%

DAY
4,121 19.1%

UNKNOWN
5 0.0%

NIGHT
17,418 80.8%

FATAL ACCIDENTS
149 3.6%

INJURY ACCIDENTS
2,866 69.5%

P.D.O. ACCIDENTS
1,106 26.8%

FATAL ACCIDENTS
563 3.2%

INJURY ACCIDENTS
11,175 64.2%

P.D.O. ACCIDENTS
5,680 32.8%

TOTAL KILLED
168

Major Injury 450
Moderate Injury 1,494
Minor Injury 2,748
Unknown Injury 67

TOTAL KILLED
623

Major Injury 1,629
Moderate Injury 5,620
Minor Injury 9,708
Unknown Injury 160

INJURY ACCIDENTS
4 80.0%

P.D.O. ACCIDENTS
1 20.0%

Major Injury 0
Moderate Injury 0
Minor Injury 4
Unknown Injury 0

ALCOHOL RELATED ACCIDENTS

	1984	1985	1986	PERCENT CHANGE	
				84-85	85-86
ACCIDENTS	20,493	20,137	21,544	-1.7	+7.0
FATAL ACCIDENTS	625	673	712	+7.7	+5.8
INJURY ACCIDENTS	13,187	13,219	14,045	+0.2	+6.2
P.D.O. ACCIDENTS	6,681	6,245	6,787	-6.5	+8.7
NUMBER KILLED	704	767	789	+8.9	+2.9
NUMBER INJURED	20,179	20,230	21,900	+0.3	+8.3
MAJOR INJURY	1,768	1,832	2,079	+3.6	+13.5
MODERATE INJURY	6,399	6,504	7,114	+1.6	+9.4
MINOR INJURY	11,805	11,688	12,460	-1.0	+6.6
UNKNOWN INJURY	207	206	247	-0.5	+19.9
FATAL ACCIDENTS PER 100,000 LICENSED DRIVERS	8.4	8.3	9.3	-1.2	+12.0
INJURY ACCIDENTS PER 100,000 LICENSED DRIVERS	176.5	175.0	182.6	-0.8	+4.3
DEATHS PER 100,000 LICENSED DRIVERS	9.4	10.2	10.3	+8.5	+1.0
INJURIES PER 100,000 LICENSED DRIVERS	270.1	267.8	284.8	-0.9	+6.3

YEAR	FATAL ACC'S.	INJURY ACC'S.	P.D.O. ACC'S.	TOTAL ACC'S.	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

1986 OPERATOR INVOLVEMENT IN ALCOHOL RELATED ACCIDENTS BY VEHICLE TYPE

**TOTAL OPERATORS
IN ACCIDENTS**
259,379

**OPERATORS IN
FATAL ACCIDENTS**
2,751

**OPERATORS DUI
IN FATAL ACCIDENTS**
745 27.1%

**OPERATORS
DUI**
21,999 100%

**PASSENGER
CAR**
512 88.7%

**SINGLE UNIT
TRUCK**
138 18.5%

TRUCK
9 1.2%

MOTORCYCLE
80 10.7%

**OTHER MOTOR-
CYCLE TYPE**
3 0.4%

PEDACYCLE
1 0.1%

**SPECIAL MOTORIZED
VEHICLE**
2 0.3%

IN THE 21,544 ACCIDENTS INVOLVING ALCOHOL,
21,999 OPERATORS HAD BEEN DRINKING.

IN THE 712 FATAL ACCIDENTS INVOLVING ALCOHOL,
745 OPERATORS HAD BEEN DRINKING.

**PASSENGER
CAR**
16,832 76.5%

**SINGLE UNIT
TRUCK**
4,301 19.6%

TRUCK
102 0.5%

BUS
5 0.0%

MOTORCYCLE
633 2.9%

**OTHER MOTOR-
CYCLE TYPE***
23 0.1%

PEDACYCLE
74 0.3%

**SPECIAL MOTORIZED
VEHICLES**
20 0.1%

**UNKNOWN
VEHICLE BODIES**
9 0.0%

*INCLUDES MO-PEDS,
MINI-BIKES, TRIKES, ETC.

PERSONS KILLED IN ACCIDENTS INVOLVING DRINKING DRIVERS

1986

TOTAL KILLED

789 100%

AGE	DRINKING DRIVERS		OCCUPANTS WITH DRINKING DRIVER		NON-DRINKING DRIVERS		OCCUPANTS WITH NON-DRINKING DRIVERS		DRINKING PEDESTRIANS		NON-DRINKING PEDESTRIANS		AGE
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	
	489	62.0%	176	22.3%	68	8.6%	22	2.8%	5	0.6%	29	3.7%	
Under 16	1	0.2%	16	9.1%	1	1.5%	4	18.2%	0	0%	2	10.3%	Under 16
16-20	66	13.5%	65	36.9%	8	11.8%	4	18.2%	0	0%	1	3.5%	16-20
21-25	141	28.8%	42	23.9%	13	19.1%	4	18.2%	0	0%	6	20.7%	21-25
26-60	251	51.4%	48	27.3%	38	52.9%	6	27.2%	3	60.0%	10	34.5%	26-60
Over 60	30	6.1%	5	2.8%	10	14.7%	4	18.2%	2	40.0%	8	31.0%	Over 60

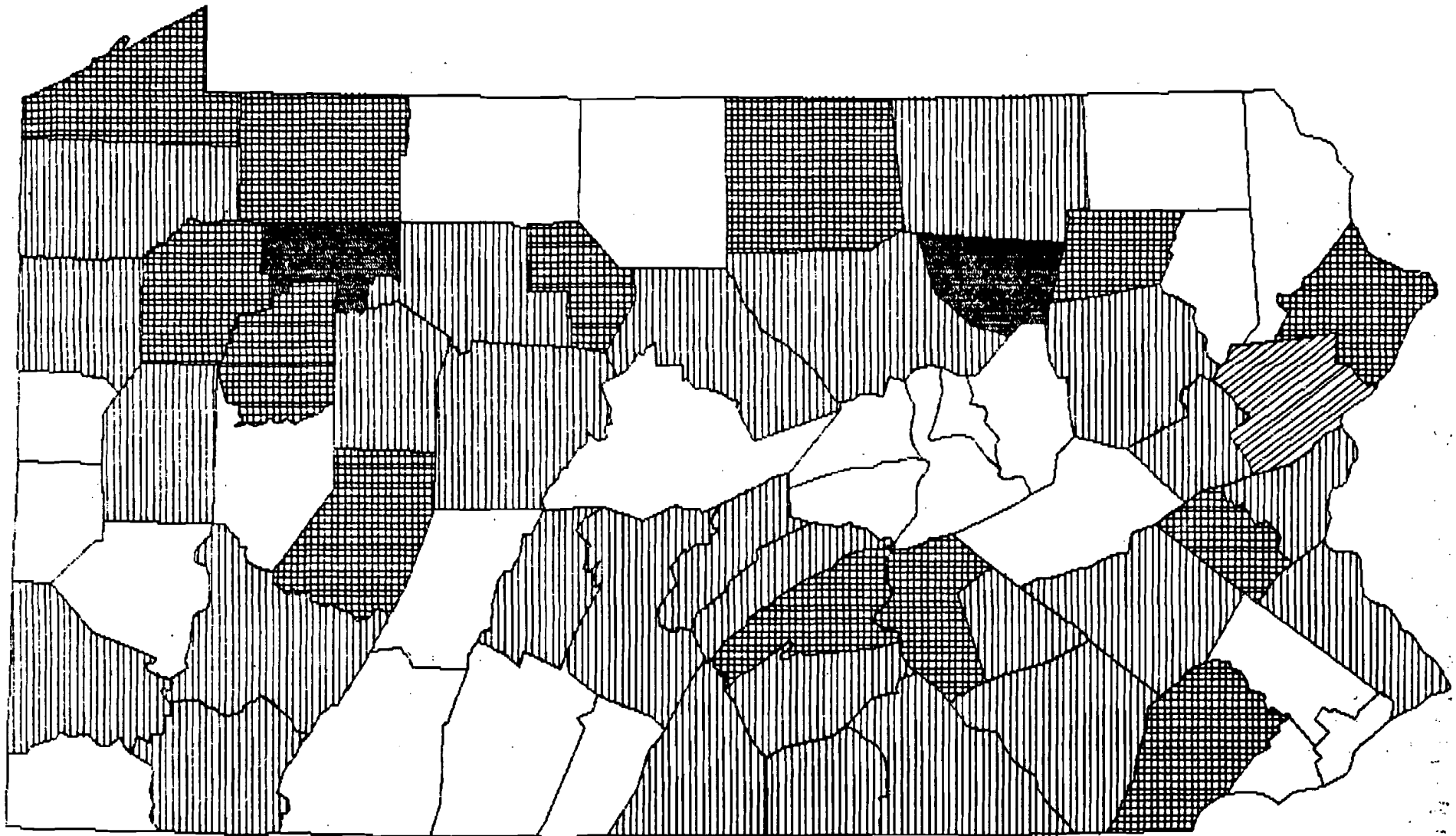
1986 PENNSYLVANIA ALCOHOL RELATED ACCIDENTS BY COUNTY








COUNTY	FATAL ACCIDENTS	INJURY ACCIDENTS	P.D.O. ACCIDENTS	TOTAL ACCIDENTS
ADAMS	9	96	59	164
ALLEGHENY	45	1,161	711	1,917
ARMSTRONG	5	74	28	107
BEAVER	13	195	119	327
BEDFORD	7	51	19	77
BERKS	18	438	237	693
BLAIR	9	153	87	249
BRADFORD	8	84	41	133
BUCKS	37	715	302	1,054
BUTLER	10	200	106	316
CAMBRIA	10	156	89	255
CAMERON	0	9	8	17
CARBON	8	84	31	123
CENTRE	7	79	39	125
CHESTER	28	541	263	832
CLARION	5	78	26	109
CLEARFIELD	5	124	50	179
CLINTON	1	59	21	81
COLUMBIA	4	70	22	96
CRAWFORD	6	136	58	200
CUMBERLAND	18	255	159	432
DAUPHIN	10	354	212	576
DELAWARE	24	623	377	1,024
ELK	4	53	22	79
ERIE	21	510	202	733
FAYETTE	13	258	110	381
FOREST	1	22	7	30
FRANKLIN	15	151	66	232
FULTON	1	11	8	20
GREENE	3	39	24	66
HUNTINGDON	2	57	23	82
INDIANA	9	155	53	217
JEFFERSON	2	76	22	100
JUNIATA	2	32	12	46
LACKAWANNA	11	250	118	379
LANCASTER	27	531	244	802
LAWRENCE	6	93	44	143
LEBANON	6	157	78	241
LEHIGH	17	455	248	720
LUZERNE	26	411	193	630
LYCOMING	12	188	71	271
MCKEAN	3	61	26	90
MERCER	6	187	99	292
MIFFLIN	4	71	21	96
MONROE	8	200	90	298
MONTGOMERY	33	862	362	1,257
MONTOUR	0	11	12	23
NORTHAMPTON	8	383	179	550
NORTHUMBERLAND	6	88	31	125
PERRY	6	71	33	110
PIKE	3	37	18	58
POTTER	2	19	14	35
SCHUYLKILL	16	157	80	253
SNYDER	6	31	17	54
SOMERSET	6	103	41	150
SULLIVAN	2	27	4	33
SUSQUEHANNA	6	29	13	48
TIOGA	9	76	19	104
UNION	2	25	15	42
VENANGO	7	114	45	166
WARREN	1	71	47	119
WASHINGTON	24	307	165	496
WAYNE	5	52	23	80
WESTMORELAND	27	613	270	910
WYOMING	4	49	24	77
YORK	24	545	236	805
PHILADELPHIA	29	692	294	1,015
TOTAL	712	14,045	6,787	21,544

1986 PENNSYLVANIA DATA BY COUNTY DUI ARRESTS AND ALCOHOL ACCIDENTS/1,000 DRIVERS

COUNTY	ALCOHOL ACCIDENTS	ALCOHOL ACCIDENTS PER 1000 DRVS	D.U.I. ARRESTS	D.U.I. ARRESTS PER 1000 DRVS	DRVR < 21 PER ALC ACCS	DRIVERS
ADAMS	164	3.3810	167	3.4428	18.2927	48,507
ALLEGHENY	1,917	2.1612	4,769	5.3765	13.1977	887,011
ARMSTRONG	107	1.8671	126	2.1986	12.1495	57,308
BEAVER	327	2.5830	532	4.2023	16.2080	126,596
BEDFORD	77	2.3818	76	2.3509	18.1818	32,328
BERKS	693	3.0227	486	2.1700	14.5743	214,748
BLAIR	249	2.8303	354	4.0238	16.7895	42,319
BRADFORD	133	3.1428	92	2.174	15.7895	42,319
BUCKS	1,054	2.8994	92	2.174	15.7895	42,319
BUTLER	316	2.9467	509	4.7465	16.4557	107,237
CAMBRIA	255	2.2333	387	3.3893	21.5686	114,183
CAMERON	17	3.7711	11	2.4401	29.4118	4508
CARBON	123	3.2657	88	2.6020	23.5772	37,664
CENTRE	125	1.8568	479	7.1153	20.8000	67,320
CHESTER	832	3.8665	810	3.5696	17.5481	226,917
CLARION	109	3.9560	130	4.7182	14.6789	27,553
CLEARFIELD	179	3.2760	159	2.9100	16.7598	54,639
CLINTON	81	3.4078	92	3.8706	19.7531	23,769
COLUMBIA	96	2.1881	99	2.2565	16.6667	43,874
CRAWFORD	200	3.4058	215	3.6613	21.5000	58,723
CUMBERLAND	432	3.0697	732	5.2014	16.8982	140,731
DAUPHIN	576	3.6873	999	6.3952	14.2361	156,210
DELAWARE	1,024	2.7065	1,617	4.2739	14.0625	378,346
ELK	79	3.0015	126	4.7872	18.9873	26,320
ERIE	733	3.9967	809	4.4111	14.7340	183,402
FAYETTE	381	3.5764	226	2.1214	14.9606	106,533
FOREST	30	7.1908	27	6.4717	3.3333	4172
FRANKLIN	232	3.0522	379	4.9862	17.6724	76,010
FULTON	20	2.2324	31	3.4602	30.0000	8959
GREENE	66	2.5536	83	3.2113	19.6970	25,846
HUNTINGDON	82	2.8728	70	2.4524	14.6342	28,544
INDIANA	217	3.6202	313	5.2218	16.5899	59,941
JEFFERSON	100	2.9563	146	4.3162	21.0000	33,826
JUNIATA	46	3.4952	36	2.7354	23.9130	13,161
LACKAWANNA	379	2.6888	437	3.1002	15.5673	140,957
LANCASTER	802	3.1621	838	3.3040	14.2145	253,630
LAWRENCE	143	1.9622	337	4.6243	18.1818	72,876
LEBANON	241	3.1683	361	4.7458	18.2573	76,067
LEHIGH	720	4.0178	729	4.0680	16.1111	179,202
LUZERNE	630	2.9414	545	2.5445	18.8889	214,187
LYCOMING	271	3.4185	348	4.3898	15.1292	79,275
MCKEAN	90	2.7246	67	2.0283	16.6667	33,032
MERCER	292	3.4488	347	4.0984	18.8356	84,668
MIFFLIN	96	3.3734	189	6.6414	18.7500	28,458
MONROE	298	5.0710	181	3.0801	14.7651	58,765
MONTGOMERY	1,257	2.4942	2,479	4.9190	16.3882	503,962
MONTOUR	23	1.9506	23	1.9506	12.0000	11,791
NORTHAMPTON	550	3.0978	786	4.4271	21.0909	177,544
NORTHUMBERLAND	125	1.9387	134	2.0783	16.0000	64,477
PERRY	110	3.9911	98	3.5557	16.3636	27,561
PIKE	58	3.9841	15	1.0304	18.9655	14,558
POTTER	35	2.7802	38	3.0185	2.8571	12,589
SCHUYLKILL	253	2.4616	299	2.9092	21.3439	102,779
SNYDER	54	2.3708	60	2.6342	16.6667	22,777
SOMERSET	150	2.6671	207	3.6807	20.0000	56,240
SULLIVAN	33	7.4593	5	1.1302	12.1212	44244
SUSQUEHANNA	48	1.8443	36	1.3832	22.9167	26,026
TIOGA	104	4.0359	77	2.9881	18.2692	25,769
UNION	42	1.9141	47	2.1420	21.4286	21,942
VENANGO	166	4.0992	154	3.8028	16.2651	40,496
WARREN	119	3.7676	168	5.3190	17.6471	31,585
WASHINGTON	496	3.4218	645	4.4498	16.9355	144,951
WAYNE	80	2.4892	32	0.9957	16.2500	32,139
WESTMORELAND	910	3.5361	1,025	3.9829	15.9341	257,349
WYOMING	77	3.8573	52	2.6049	10.3896	19,962
YORK	605	3.5810	1,306	5.8096	19.0062	224,800
PHILADELPHIA	1,015	1.3748	3,385	4.585	7.6847	738,282

1986 ALCOHOL ACCIDENT RATES PER 1000 DRIVERS



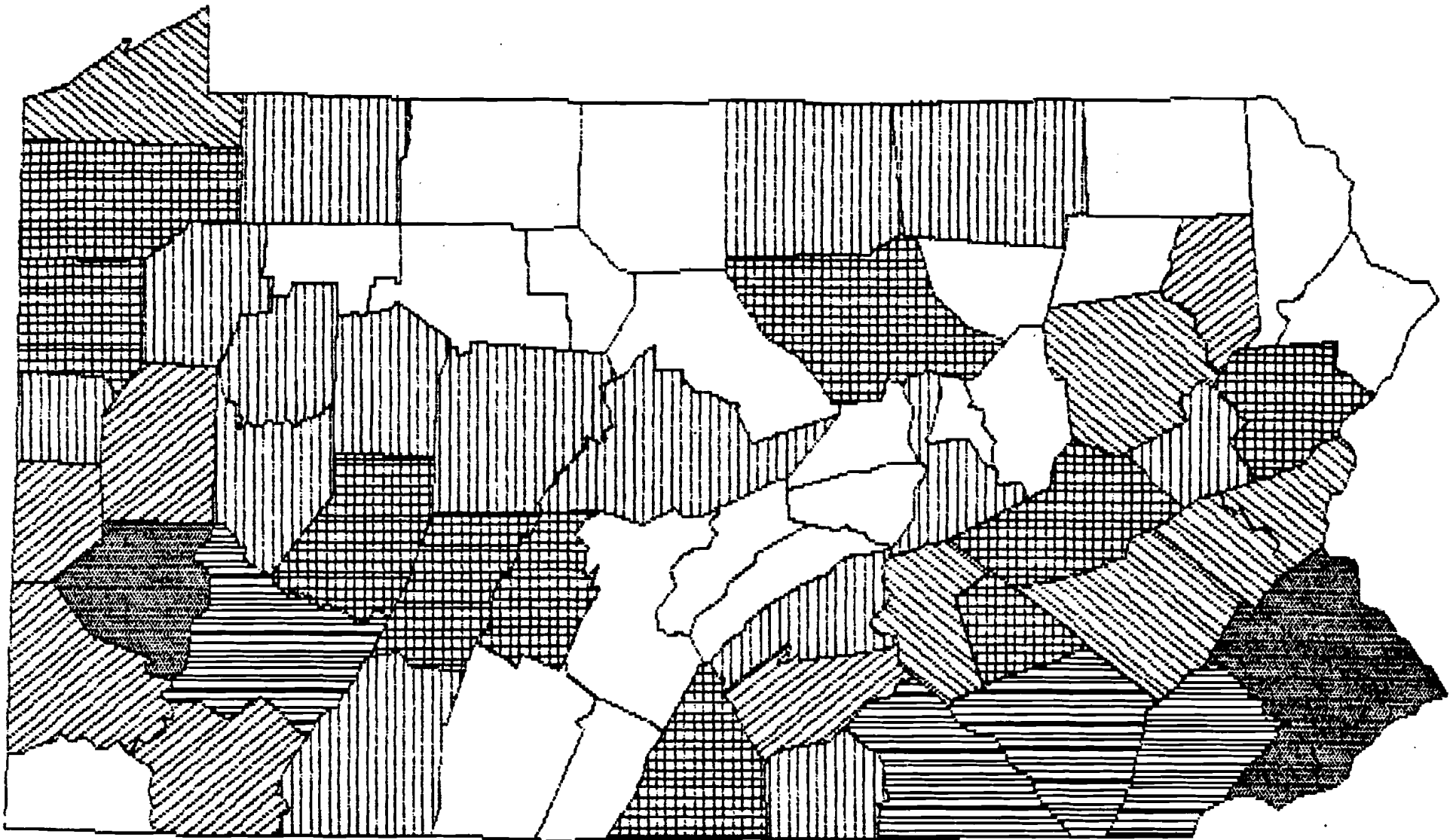
ACCIDENT RATE	2-2.7	2.8-3.5	3.6-4.3
			
			
			








1986 DUI ARREST RATES PER 1000 DRIVERS



ARREST RATE	0.5-1.4	1.5-2.4	2.5-3.4
			
			
			
	0.5-1.4	1.5-2.4	2.5-3.4
	3.5-4.4	4.5-5.4	5.5-6.4
	ABOVE 6.4		

1986 ALCOHOL-RELATED ACCIDENTS



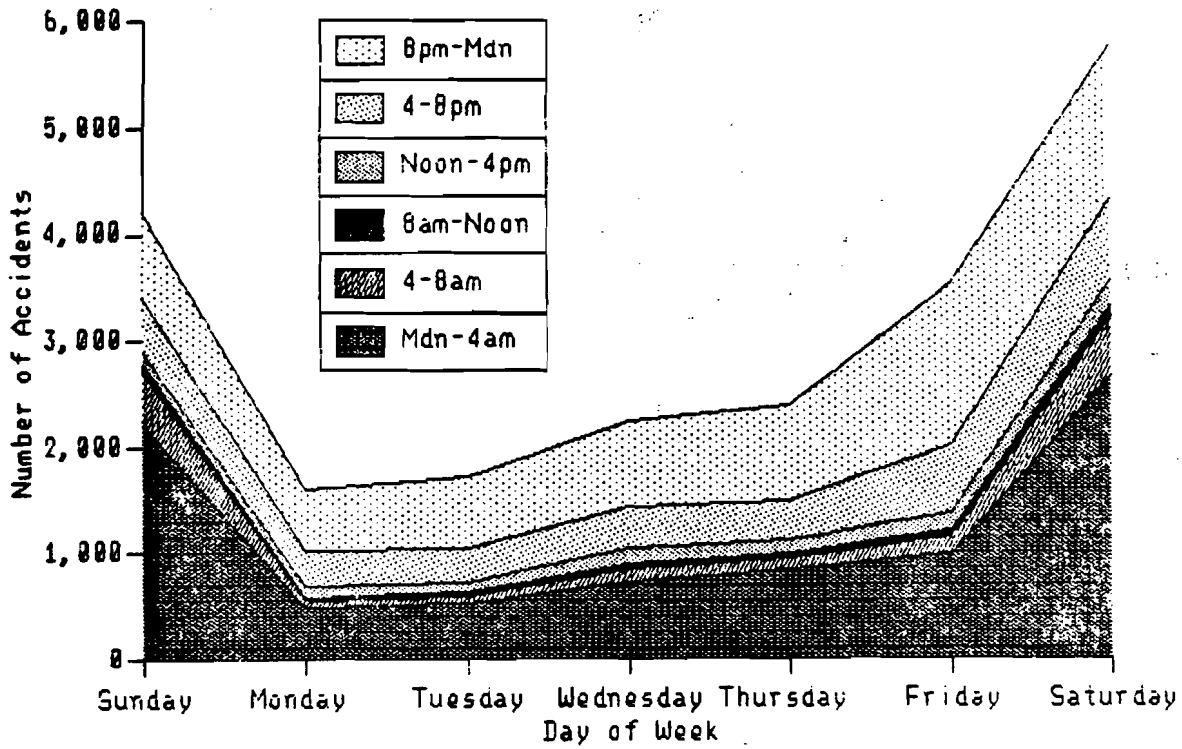
ACCIDENTS	UNDER 100	100-199	200-299
			
			
			

**ALCOHOL RELATED ACCIDENTS
BY MONTH
1986**

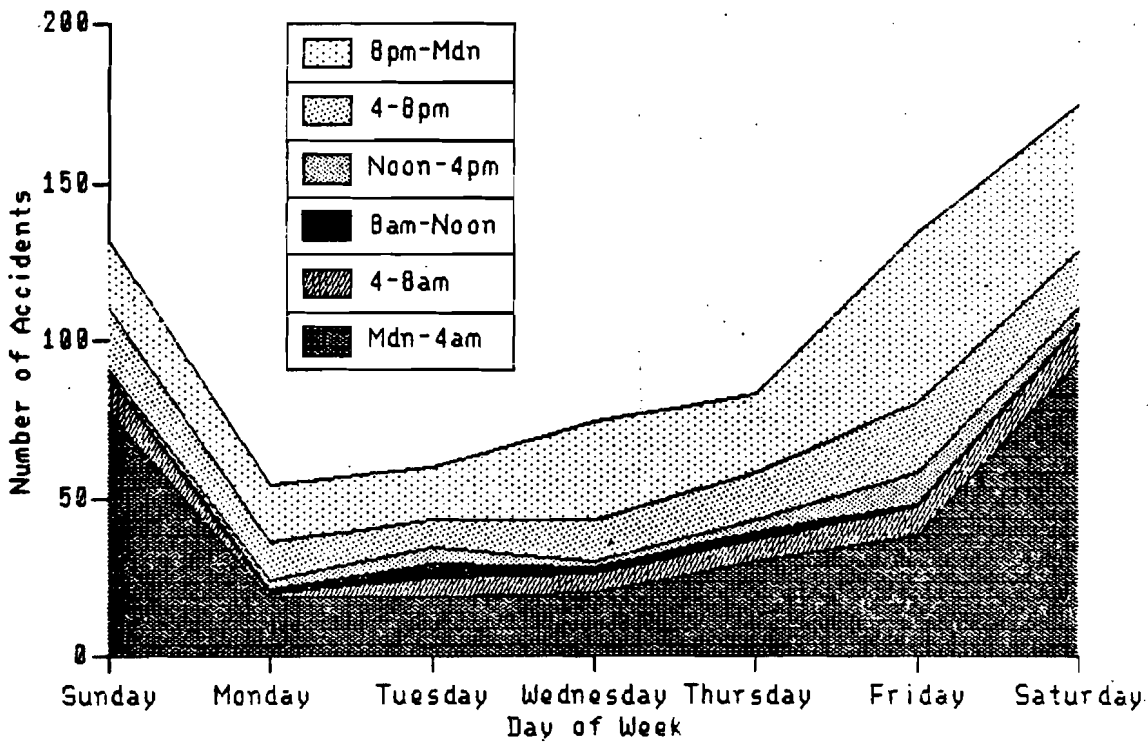
MONTH	TOTAL ACCIDENTS		FATAL ACCIDENTS		TOTAL KILLED	
	SUM	ME.A.D.*	SUM	ME.A.D.*	SUM	ME.A.D.*
January	1609	51.9032	52	1.67742	58	1.87097
February	1420	50.7143	35	1.25000	40	1.29032
March	1796	57.9355	47	1.51613	54	1.74194
April	1682	56.0667	48	1.60000	52	1.73333
May	1824	58.8387	74	2.38710	81	2.61290
June	1669	55.6333	65	2.16667	72	2.40000
July	1795	57.9032	68	2.19355	74	2.38710
August	2084	67.2258	77	2.48387	83	2.67742
September	1876	62.5333	68	2.26667	75	2.50000
October	1964	63.3548	67	2.16129	79	2.54839
November	1894	63.1333	48	1.60000	54	1.80000
December	1931	62.2903	63	2.03226	67	2.16129

*Mean Accidents Per Day

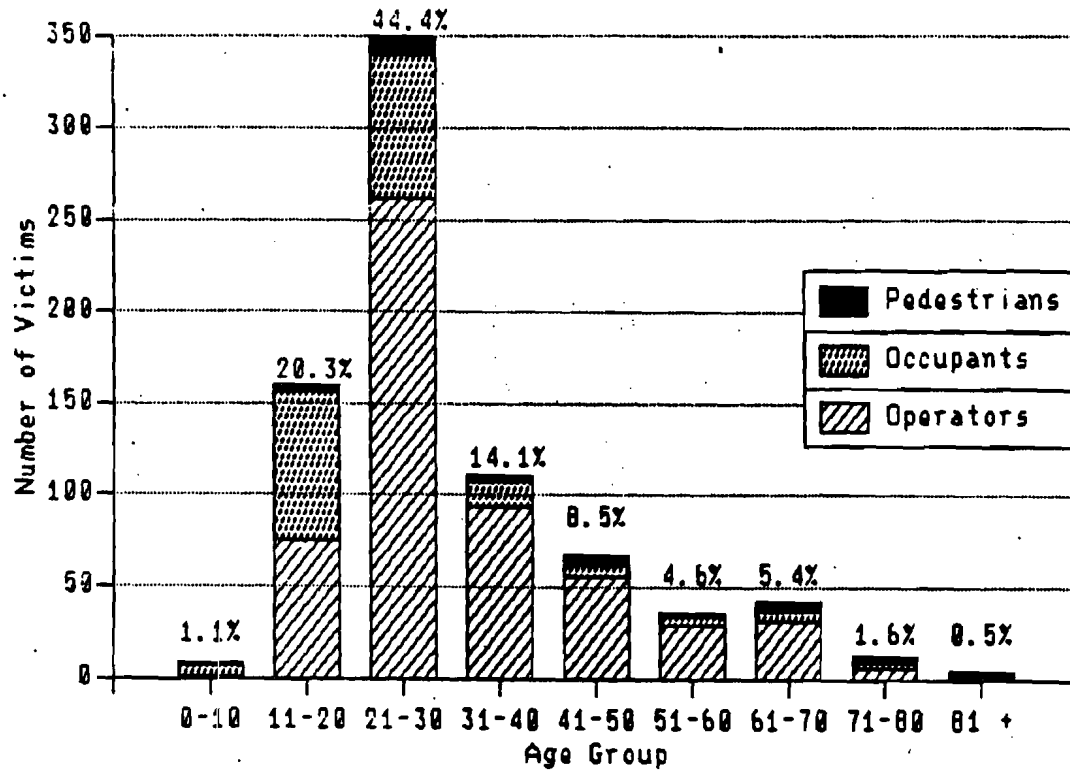
1986 Alcohol Related Accidents
Time by Day of Week



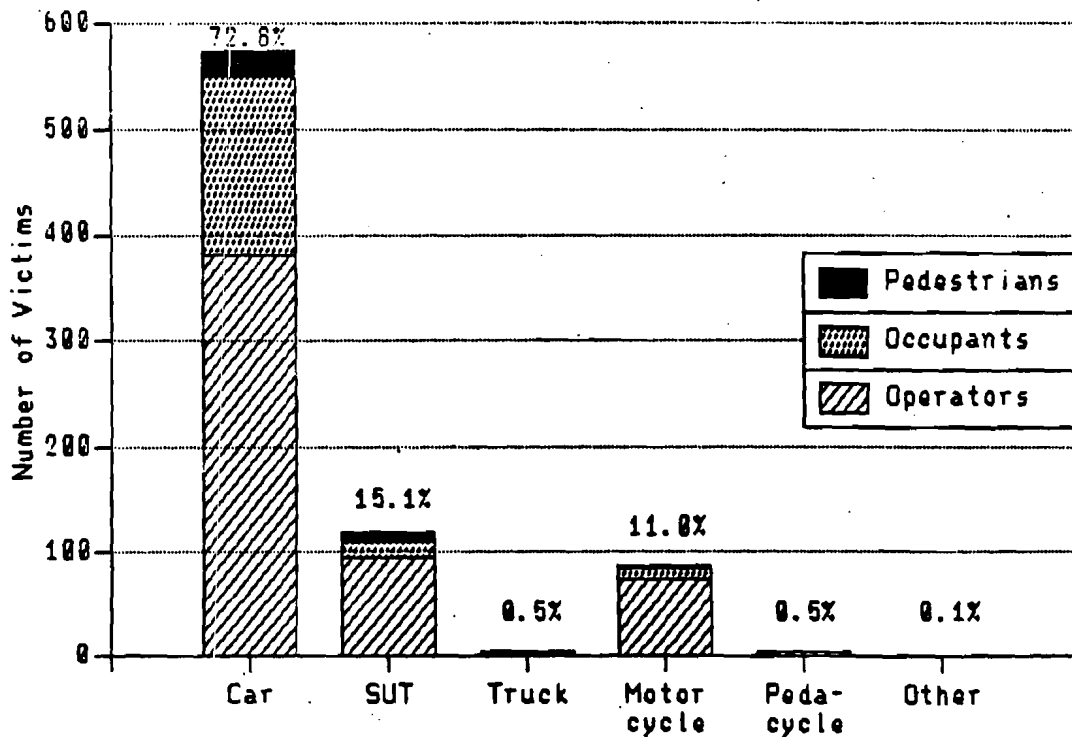
1986 Alcohol Related Fatal Accidents
Time by Day of Week



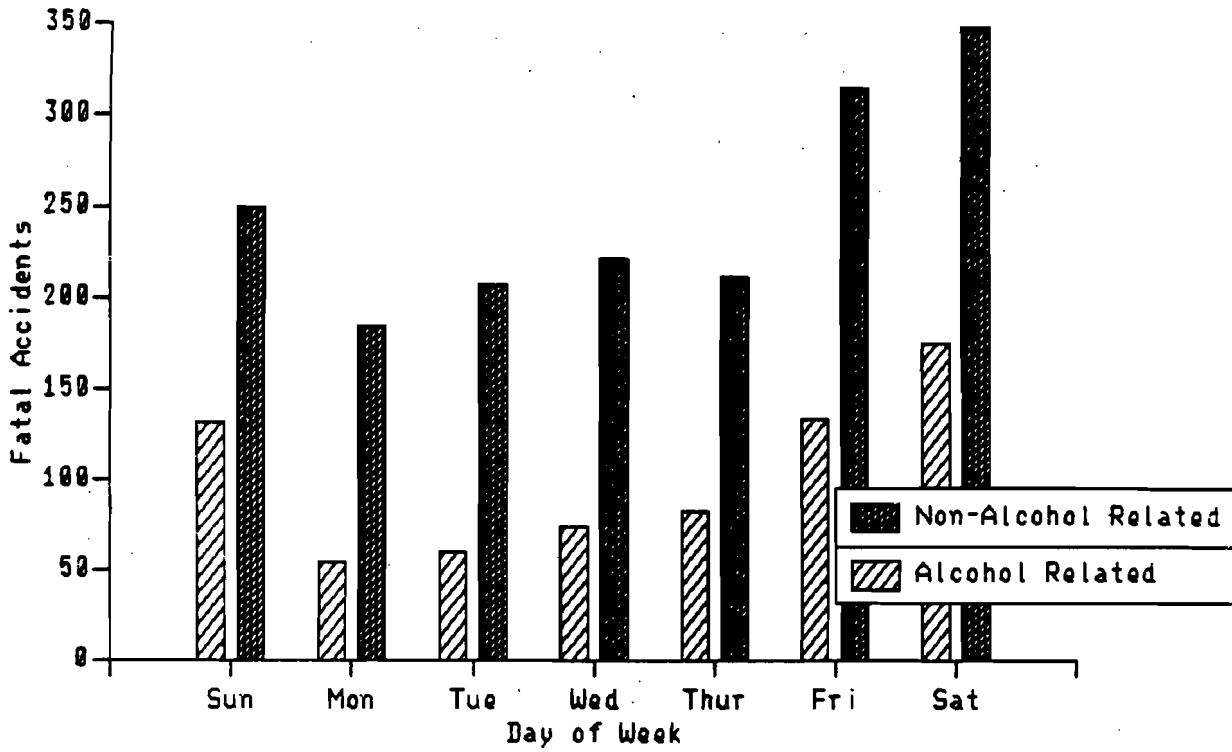
Victims of Alcohol Related Fatal Accidents
Distribution by Age
1986



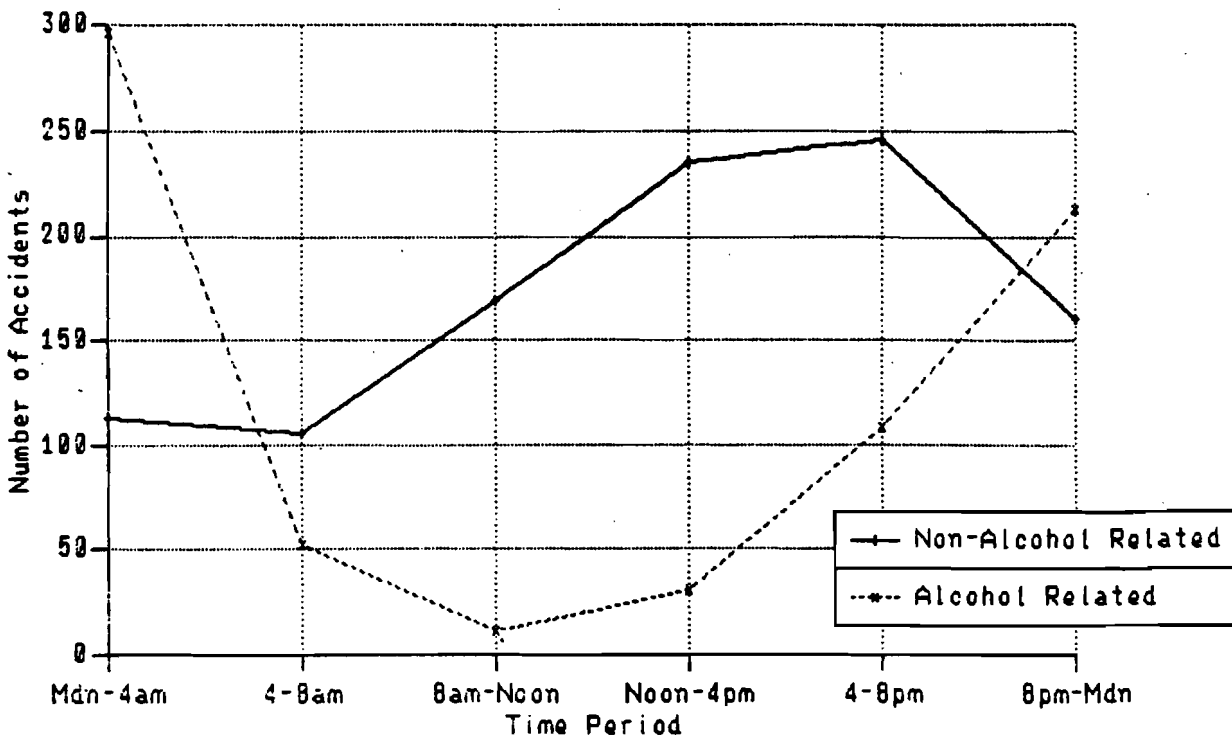
Victims of Alcohol Related Fatal Accidents
Distribution by Vehicle Type
1986



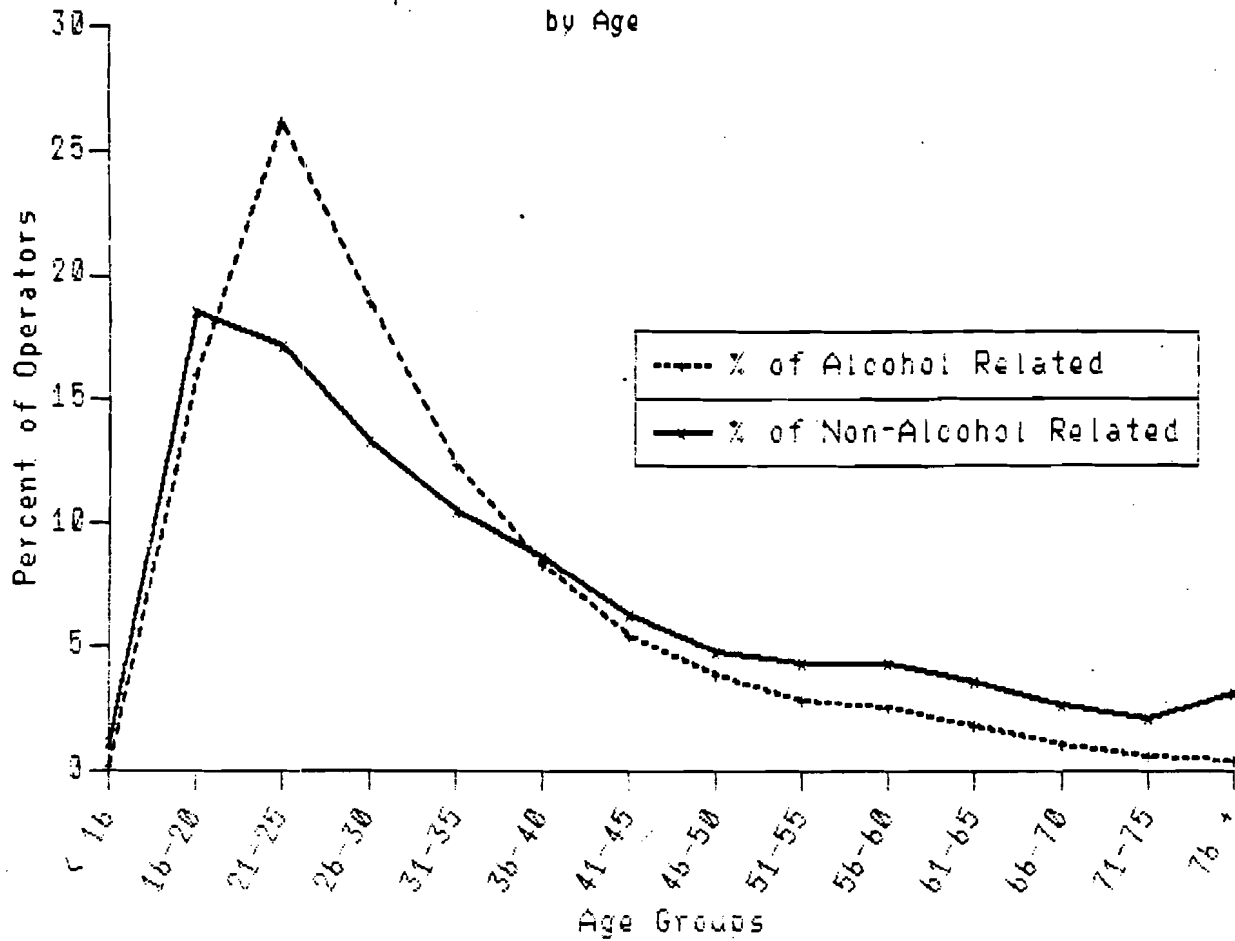
Fatal Accidents by Day of Week
1986



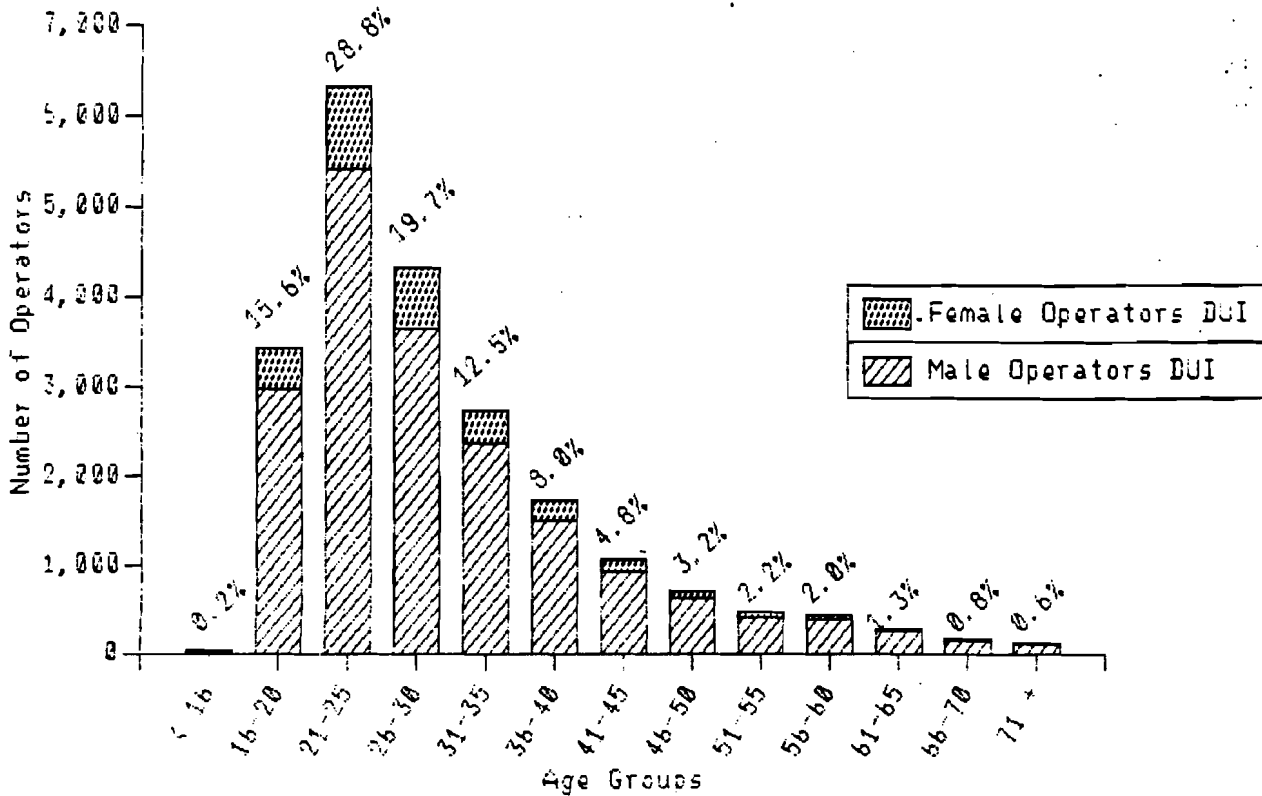
1986 Fatal Accidents
by Time Period



Percent of Operator Involvement in 1986 Accidents
by Age

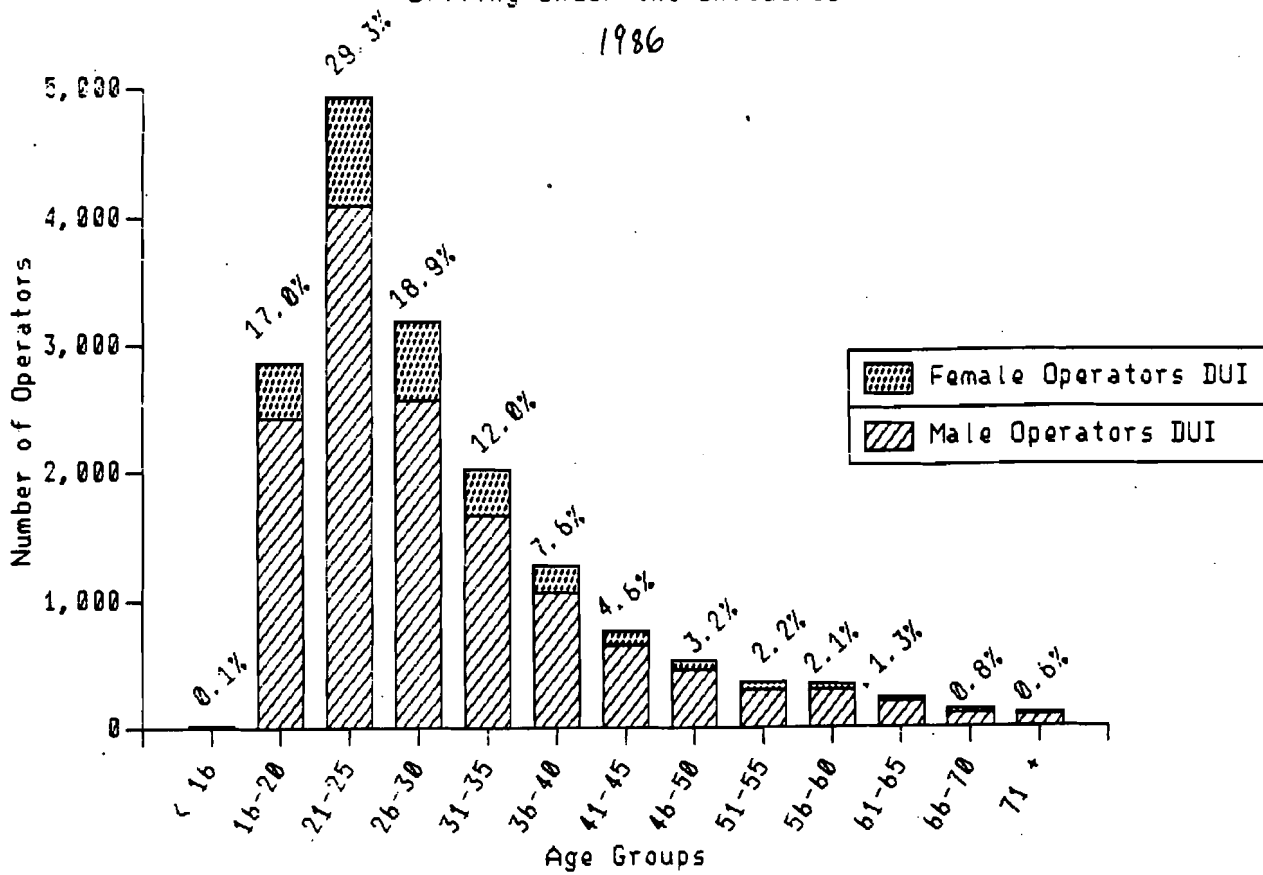


Age and Sex of Operator Driving Under the Influence
1986



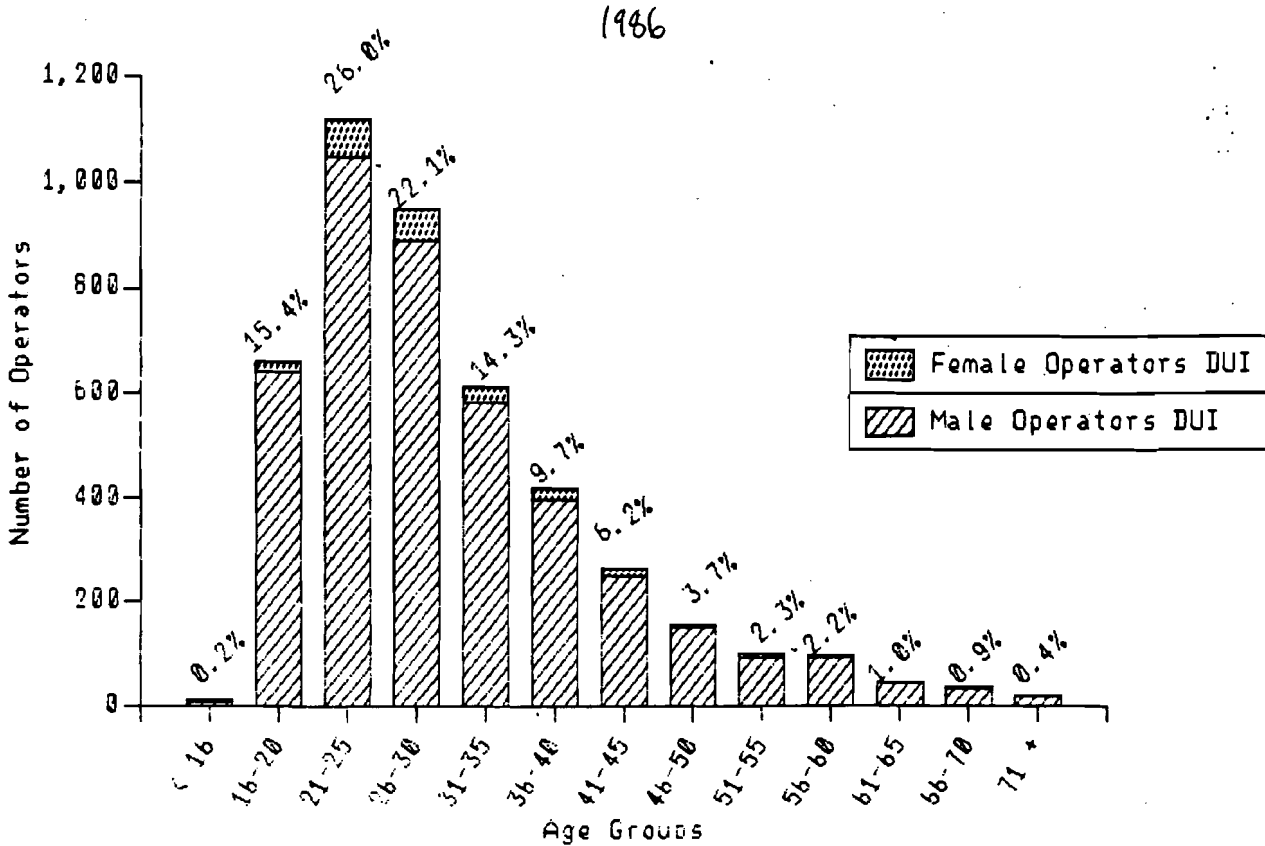
Age and Sex of Passenger Car Operators
Driving Under the Influence

1986



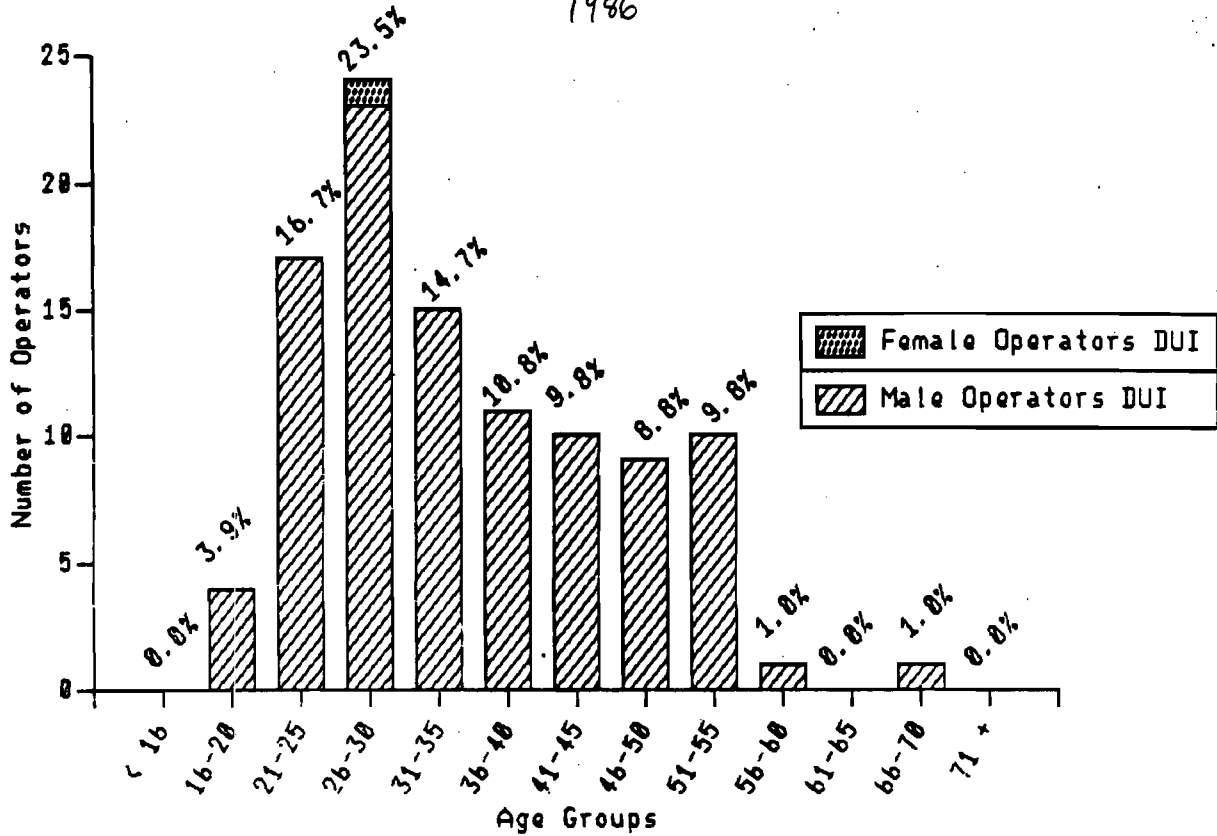
Age and Sex of Single Unit Truck Operators
Driving Under the Influence

1986



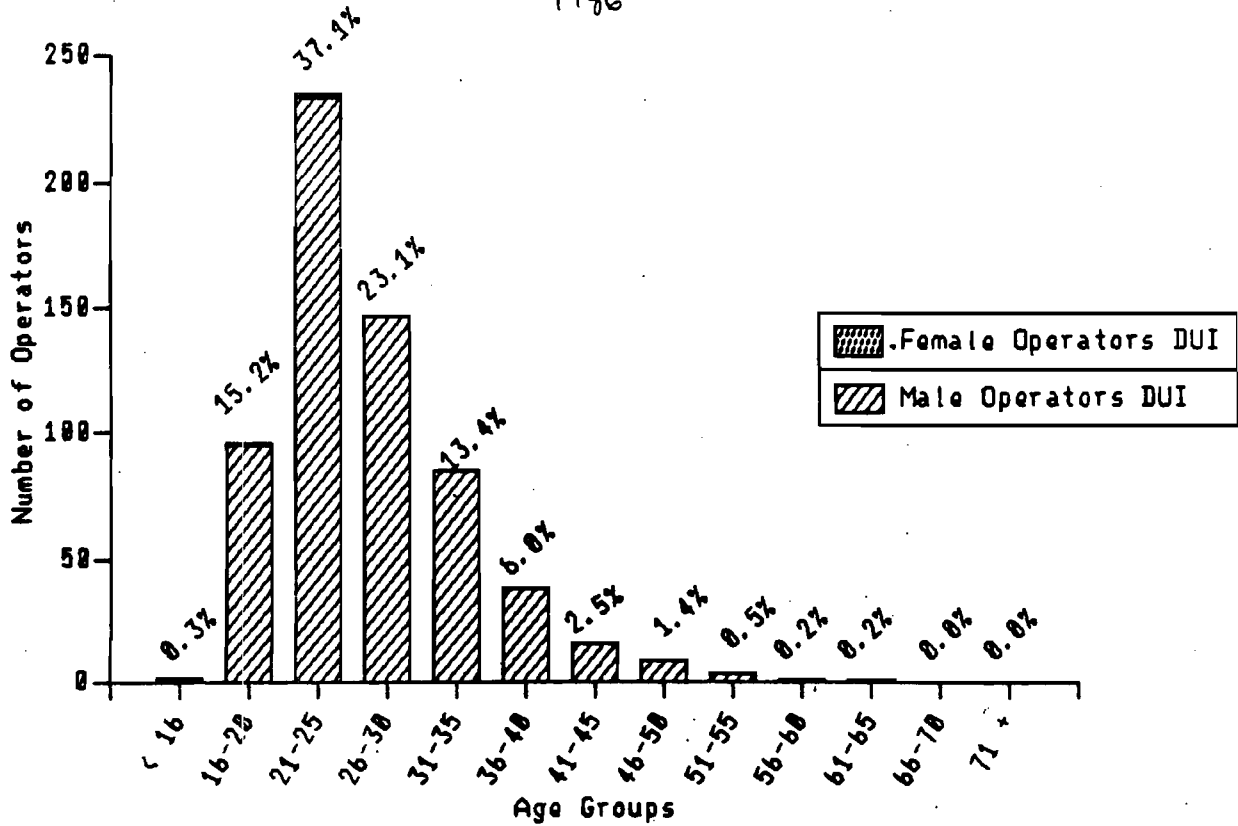
Age and Sex of Truck Operators
Driving Under the Influence

1986



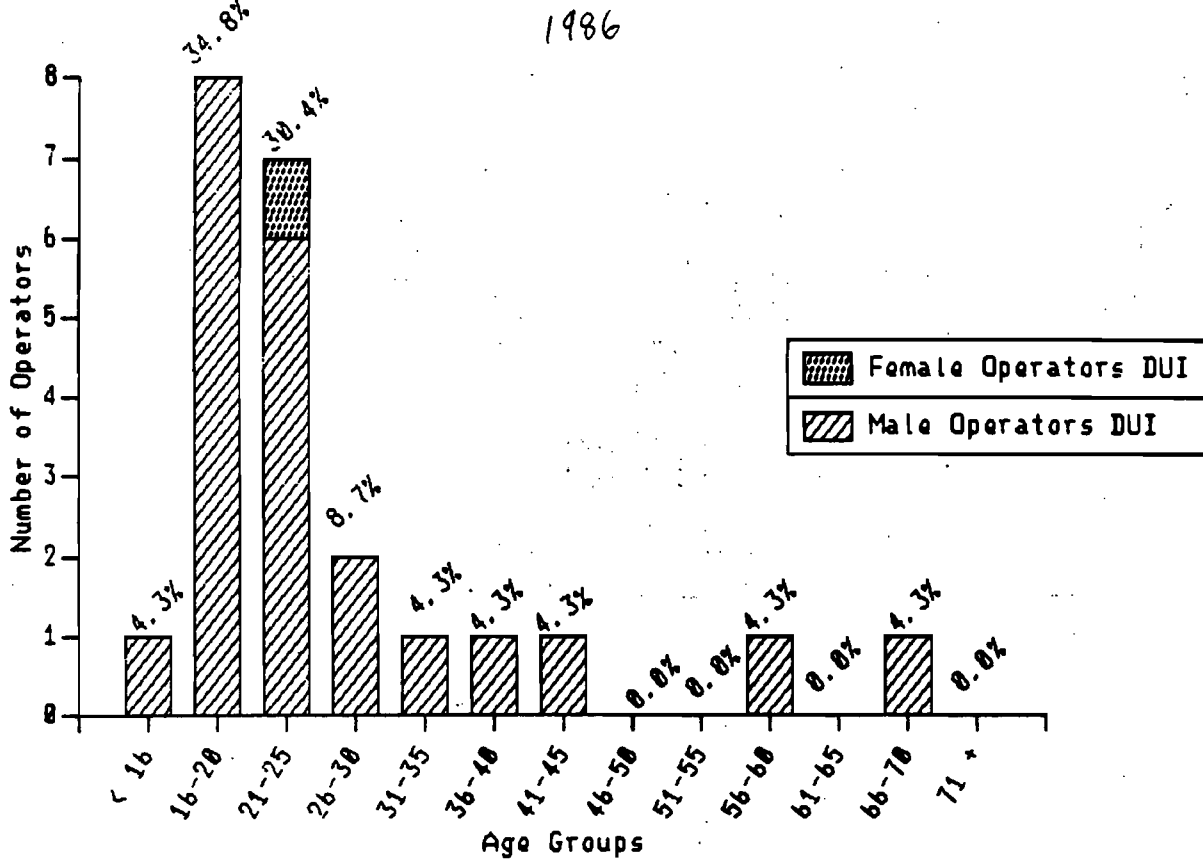
Age and Sex of Motorcycle Operators
Driving Under the Influence

1986



Age and Sex of All Motorcycle Type Operators
Driving Under the Influence

1986

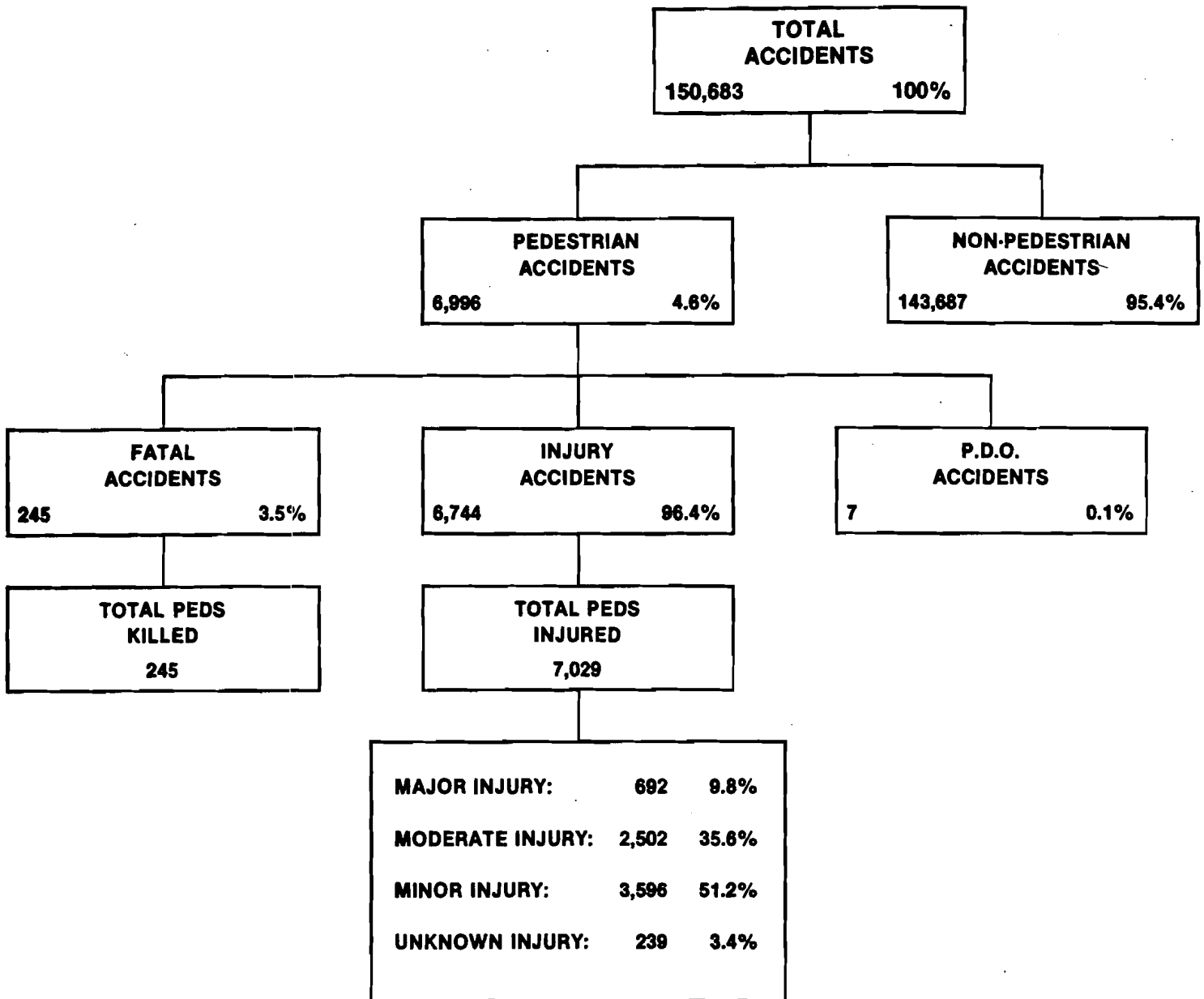




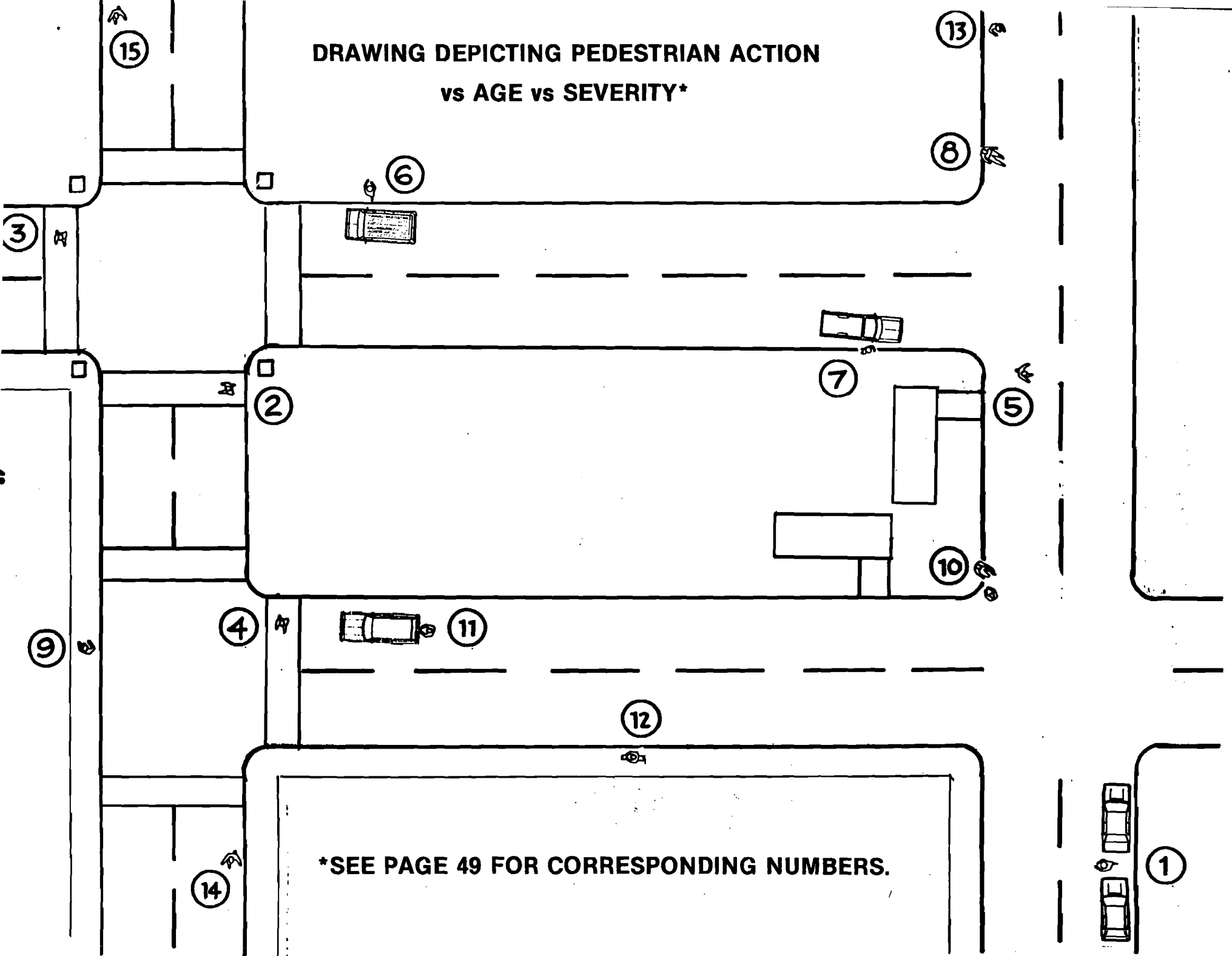
VII. PEDESTRIAN RELATED ACCIDENT STATISTICS

1996

PEDESTRIAN RELATED ACCIDENTS: DISTRIBUTION BY SEVERITY



**DRAWING DEPICTING PEDESTRIAN ACTION
vs AGE vs SEVERITY***



***SEE PAGE 49 FOR CORRESPONDING NUMBERS.**

1986

PEDESTRIAN ACTION vs AGE vs SEVERITY*

ACTION	0-4		5-9		10-14		15-64		65 +		TOTAL													
	Fat	Inj	Fat	Inj	Fat	Inj	Fat	Inj	Fat	Inj	Fat	Inj												
	#	%	#	%	#	%	#	%	#	%	#	%												
1. Coming from behind parked vehicle	2	33.3	168	20.1	1	16.7	375	44.9	0	0.0	122	14.8	1	16.7	152	18.2	2	33.3	19	2.3	6	100	636	100
2. Crossing against signal	0	0.0	17	2.8	1	5.0	63	13.5	0	0.0	72	11.7	9	45.0	376	80.9	10	50.0	69	11.2	20	100	617	100
3. Crossing with signal	0	0.0	5	1.0	1	12.5	28	5.6	1	12.5	38	7.6	3	37.5	338	68.0	3	37.5	88	17.7	8	100	497	100
4. Crossing, no signal, marked crosswalks	0	0.0	15	4.4	0	0.0	63	18.4	1	20.0	43	12.6	2	40.0	182	53.2	2	40.0	39	11.4	5	100	342	100
5. Crossing, no signal or crosswalk	8	7.3	205	7.0	15	13.8	663	22.7	1	0.9	412	14.1	49	45.0	1,380	47.2	36	33.0	261	8.9	109	100	2,921	100
6. Getting on/off school bus	0	0.0	1	3.8	0	0.0	13	50.0	1	100	8	30.8	0	0.0	4	15.4	0	0.0	0	0.0	1	100	26	100
7. Getting on/off other vehicle	0	0.0	4	3.9	0	0.0	7	6.9	0	0.0	9	8.8	1	50.0	72	70.6	1	50.0	10	9.8	2	100	102	100
8. Lying on or near roadway	0	0.0	0	0.0	0	0.0	2	12.5	0	0.0	2	12.5	6	100	12	75.0	0	0.0	0	0.0	6	100	16	100
9. On sidewalk	0	0.0	6	3.4	0	0.0	10	5.7	0	0.0	12	6.9	5	100	132	75.4	0	0.0	15	8.6	5	100	175	100
10. Playing on or near roadway	0	0.0	10	11.1	2	100	32	35.6	0	0.0	29	32.2	0	0.0	19	21.1	0	0.0	0	0.0	2	100	90	100
11. Pushing/working on vehicle on/near roadway	0	0.0	1	1.4	0	0.0	2	2.9	0	0.0	2	2.9	0	0.0	62	88.6	0	0.0	3	4.3	0	100	70	100
12. Skateboarding, sledding	0	0.0	4	6.2	0	0.0	23	35.4	2	100	26	40.0	0	0.0	12	18.5	0	0.0	0	0.0	2	100	65	100
13. Standing, working on/near roadway	0	0.0	5	1.1	3	9.7	17	3.9	1	3.2	27	6.2	22	71.0	376	85.6	5	16.1	14	3.2	31	100	439	100
14. Walking on roadway/berm - against traffic	0	0.0	1	0.9	0	0.0	4	3.6	0	0.0	11	10.0	5	100	80	72.1	0	0.0	15	13.5	5	100	111	100
15. Walking on roadway/berm - with traffic	0	0.0	1	0.4	0	0.0	4	1.7	1	4.5	30	12.7	19	86.4	190	80.2	2	9.1	12	5.1	22	100	237	100
Other	0	0.0	10	4.8	0	0.0	15	7.2	1	12.5	17	8.2	2	25.0	146	70.5	5	62.5	9	4.3	8	100	207	100
Unknown	0	0.0	0	0.0	1	9.1	1	33.3	0	0.0	0	0.0	8	72.7	2	66.7	2	18.2	0	0.0	11	100	3	100
TOTAL	10	4.1	463	8.7	24	10.0	1,342	19.9	9	3.7	660	12.7	132	54.3	3,535	52.3	68	28.0	564	8.4	243	100	6,754	100

*FOR KNOWN AGE

NOTE: PERCENTAGES REPRESENT ROW PERCENTAGES FOR EACH SEVERITY.

**PEDESTRIAN INJURY SEVERITY
BY VEHICLE TYPE
1986 ACCIDENTS**

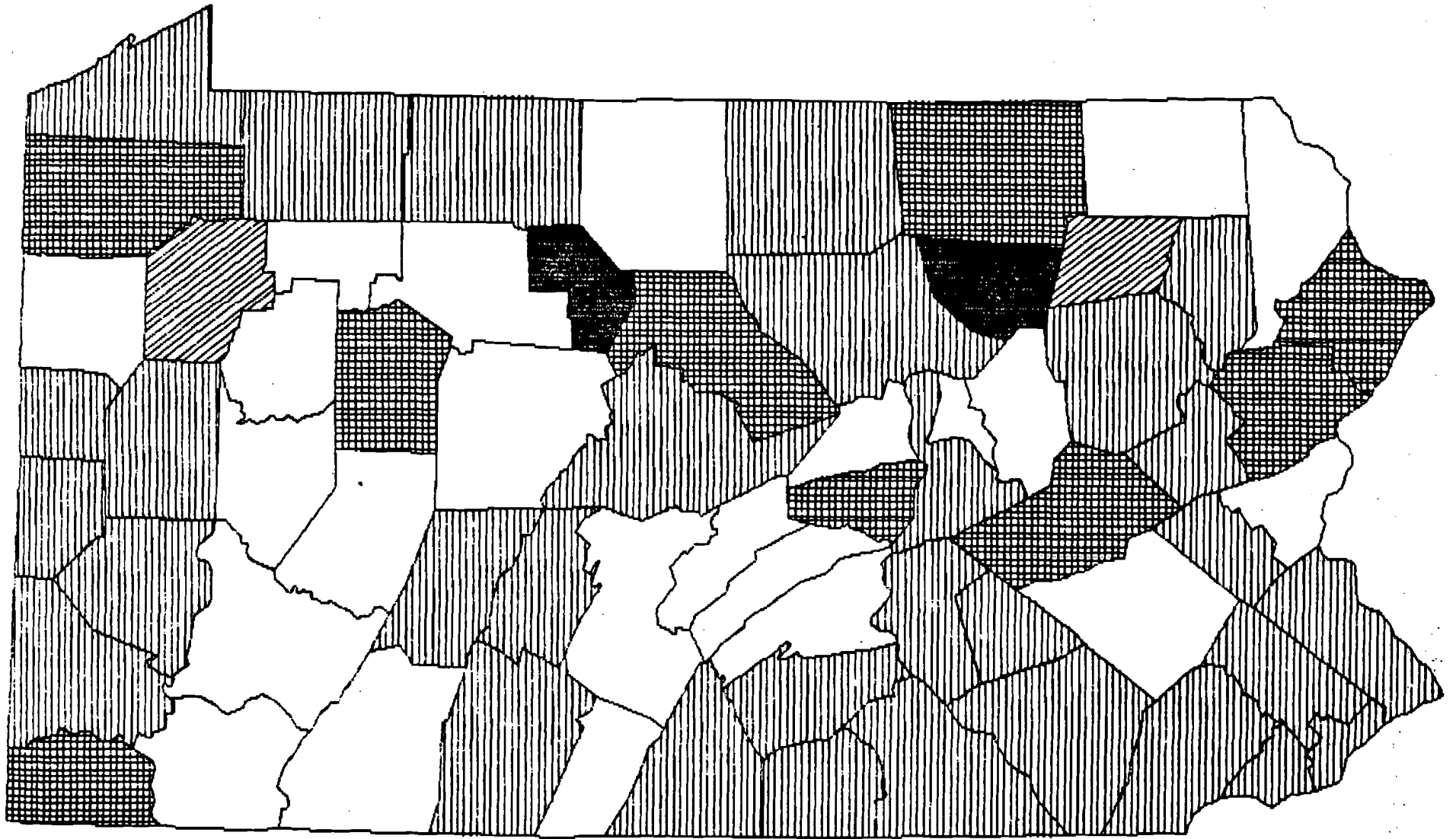
# <small>Column Percent</small>	PASSENGER CAR	S.U.T.	TRUCK	BUS TYPE	MOTORCYCLE BODY TYPE	OTHER	UNKNOWN	TOTAL
DEATH	170 3.0%	43 4.7%	21 18.9%	6 5.4%	2 2.9%	2 8.3%	1 0.3%	245
MAJOR INJURY	528 9.2%	96 10.5%	12 9.7%	13 11.7%	15 21.4%	5 20.8%	23 6.6%	692
MODERATE INJURY	2,000 34.9%	304 33.3%	38 30.7%	32 28.8%	21 30.0%	5 20.8%	102 29.2%	2,502
MINOR INJURY	2,817 49.1%	431 47.3%	46 37.1%	57 51.4%	25 35.7%	12 50.0%	208 59.6%	3,596
NO INJURY	39 0.7%	9 1.0%	1 0.8%	0 0.0%	2 2.9%	0 0.0%	3 0.9%	54
UNKNOWN INJURY	184 3.2%	29 3.2%	6 4.8%	3 2.7%	5 7.1%	0 0.0%	12 3.4%	239
TOTAL	5,738 100%	912 100%	124 100%	111 100%	70 100%	24 100%	349 100%	7,328








50

**1986 PENNSYLVANIA DATA BY COUNTY
PEDESTRIAN FATALITIES & ACCIDENTS/100,000 POPULATION**

COUNTY	PEDESTRIANS KILLED	PEDESTRIANS KILLED PER 100,000	PEDESTRIAN ACCIDENTS	PEDESTRIAN ACCIDENTS PER 100,000	POPULATION
ADAMS	2	2.8416	18	25.5747	70,382
ALLEGHENY	18	1.2796	711	50.5443	1,406,688
ARMSTRONG	0	-0-	15	18.7158	80,146
BEAVER	3	1.5117	56	28.2183	198,453
BEDFORD	1	2.0917	12	25.1009	47,807
BERKS	4	1.2508	212	66.2904	319,805
BLAIR	2	1.4893	48	35.7438	134,289
BRADFORD	3	4.6849	13	20.3014	64,035
BUCKS	13	2.5395	191	37.3118	511,903
BUTLER	3	1.9615	30	19.6154	152,941
CAMBRIA	3	1.7047	47	26.7071	175,983
CAMERON	1	15.2509	2	30.5018	6,557
CARBON	1	1.8677	21	39.2208	53,543
CENTRE	2	1.7386	54	46.9418	115,036
CHESTER	7	2.0760	97	28.7672	337,190
CLARION	0	-0-	11	24.7536	44,438
CLEARFIELD	1	1.1691	23	26.8899	65,534
CLINTON	2	5.0457	14	35.3196	39,638
COLUMBIA	0	-0-	27	43.4748	62,105
CRAWFORD	4	4.4636	36	40.1727	89,613
CUMBERLAND	4	2.1529	78	41.9822	185,793
DAUPHIN	8	3.3865	122	51.6437	236,234
DELAWARE	9	1.6340	295	53.5605	550,779
ELK	0	-0-	13	34.0805	38,145
ERIE	6	2.1233	181	64.0520	282,583
FAYETTE	1	0.6271	49	30.7260	159,474
FOREST	0	-0-	1	19.7746	5,057
FRANKLIN	3	2.5830	35	30.1345	116,146
FULTON	0	-0-	1	7.3937	13,525
GREENE	2	4.8292	14	33.8042	41,415
HUNTINGDON	0	-0-	13	30.2304	43,003
INDIANA	0	-0-	19	20.2825	93,677
JEFFERSON	2	4.0697	19	38.6619	49,144
JUNIATA	0	-0-	7	35.3678	19,792
LACKAWANNA	7	3.1256	108	48.2242	223,954
LANCASTER	9	2.3383	166	43.1294	384,888
LAWRENCE	2	1.8880	27	25.4876	105,934
LEBANON	2	1.7937	41	36.7716	111,499
LEHIGH	6	2.1591	127	45.7001	277,899
LUZERNE	11	3.2890	138	41.2617	334,451
LYCOMING	2	1.7322	52	45.0380	115,458
MCKEAN	1	2.0372	24	48.8928	49,087
MERCER	1	0.7902	29	22.9146	126,557
MIFFLIN	0	-0-	9	19.3953	46,403
MONROE	3	3.7823	37	46.6483	79,317
MONTGOMERY	11	1.6668	276	41.8186	659,994
MONTOUR	0	-0-	4	23.5613	16,977
NORTHAMPTON	0	-0-	114	49.2154	231,635
NORTHUMBERLAND	3	2.9914	36	35.8966	100,288
PERRY	0	-0-	6	15.7130	38,185
PIKE	1	4.6970	10	46.9704	21,290
POTTER	0	-0-	4	21.3618	18,725
SCHUYLKILL	8	5.1079	69	44.0560	156,619
SNYDER	2	5.5397	10	27.6985	36,103
SOMERSET	1	1.2108	19	23.0058	82,588
SULLIVAN	1	16.3532	2	32.7065	6,115
SUSQUEHANNA	0	-0-	2	5.0731	39,424
TIOGA	1	2.4488	9	22.0388	40,837
UNION	0	-0-	11	32.8731	33,462
VENANGO	5	7.8026	29	45.2552	64,081
WARREN	1	2.1154	17	35.9613	47,273
WASHINGTON	5	2.3017	68	31.3039	217,225
WAYNE	0	-0-	11	28.8782	38,091
WESTMORELAND	4	1.0362	122	31.6048	386,017
WYOMING	2	7.2893	12	43.6157	27,513
YORK	7	2.1464	140	42.9286	326,123
PHILADELPHIA	44	2.6889	2,782	170.0089	1,636,385

**1986 PENNSYLVANIA PEDESTRIAN FATALITY RATES
PER 100,000 POPULATION**



FATALITY RATE	0-1.24	1.25-3.74	3.75-6.24
			
			
			

0-1.24

6.25-8.74

ABOVE 13.74

1.25-3.74

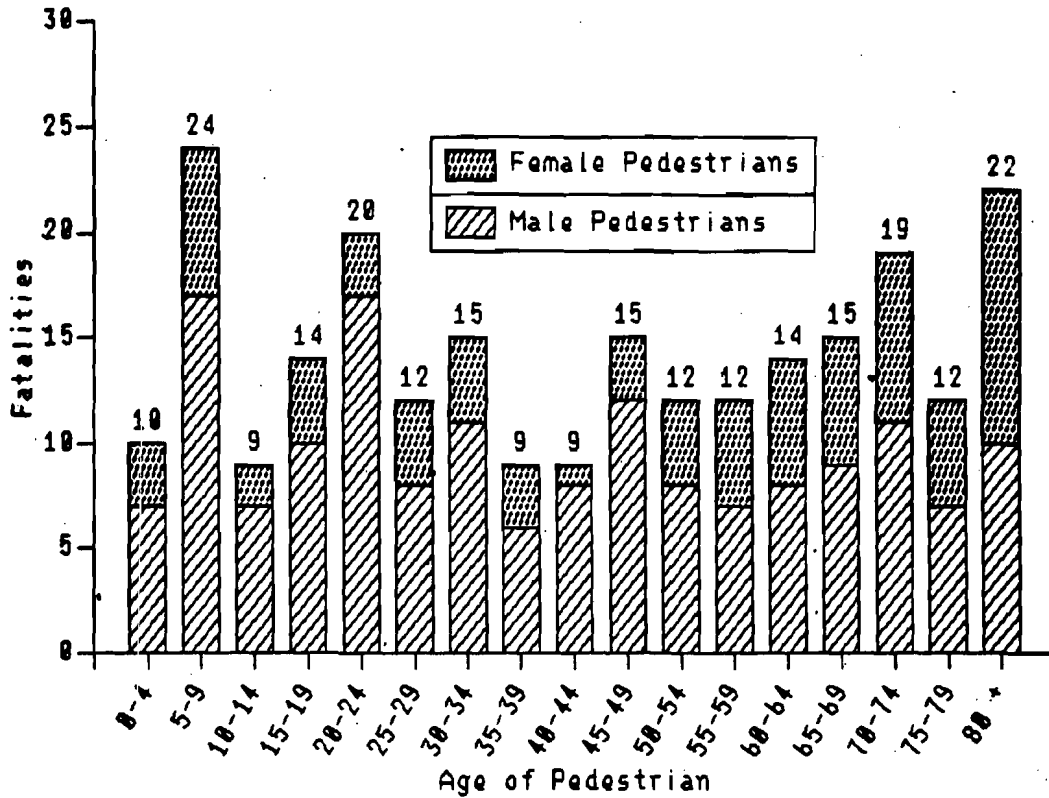
8.75-11.24

3.75-6.24

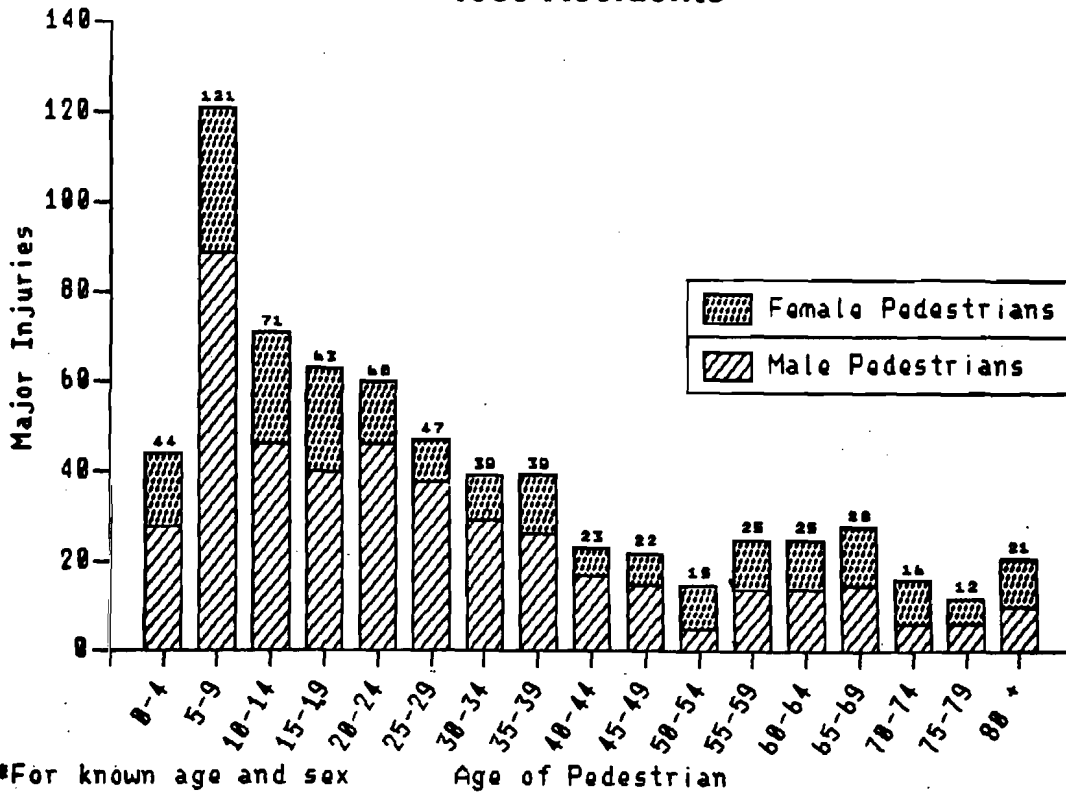
11.25-13.74

1986

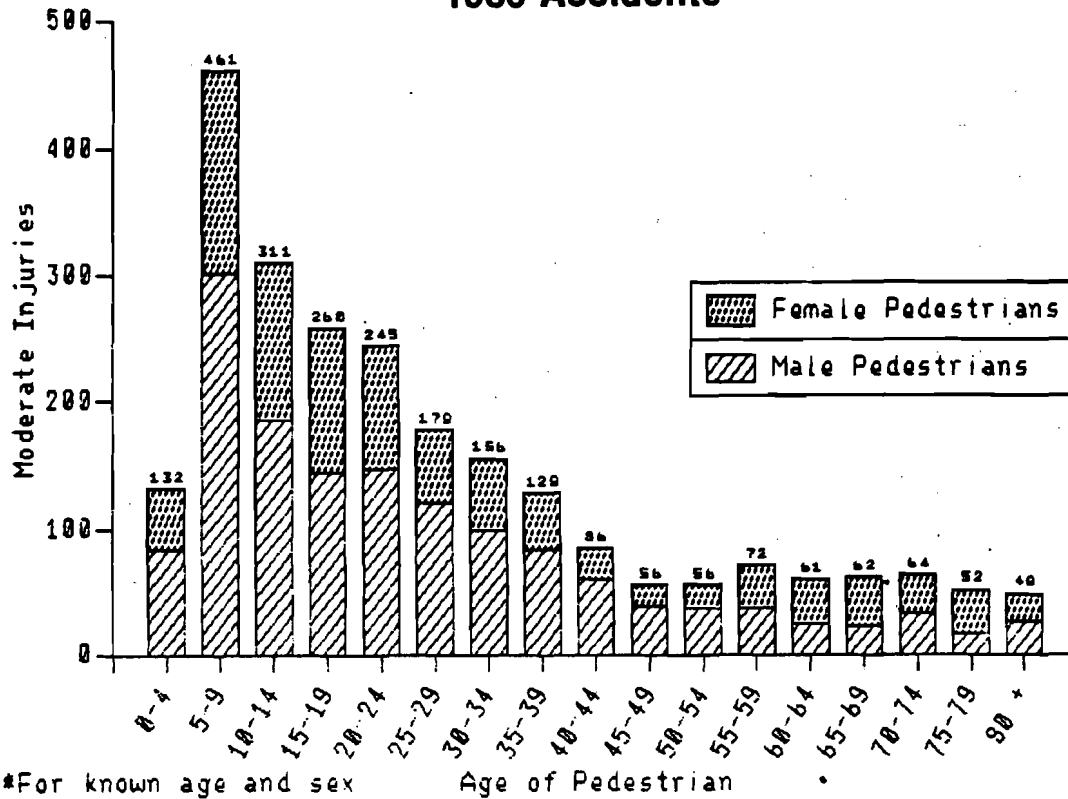
Pedestrians Deaths Distribution by Age and Sex



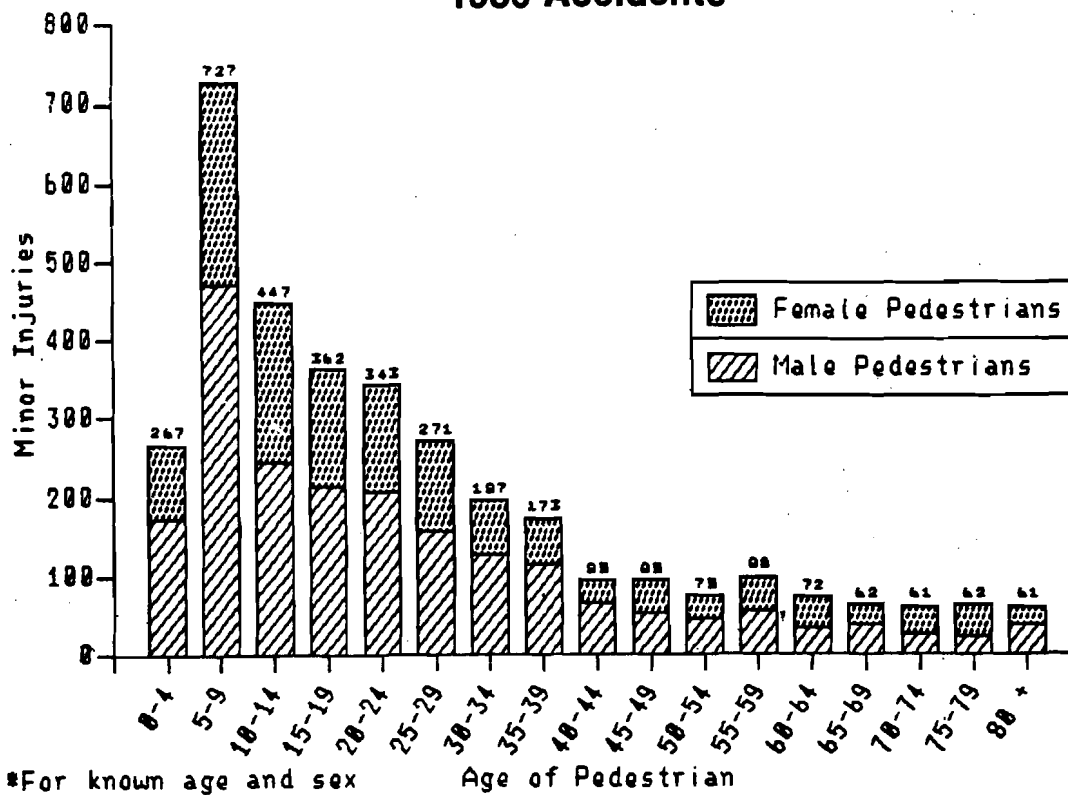
Pedestrians Suffering Major Injuries Distribution by Age and Sex* 1986 Accidents

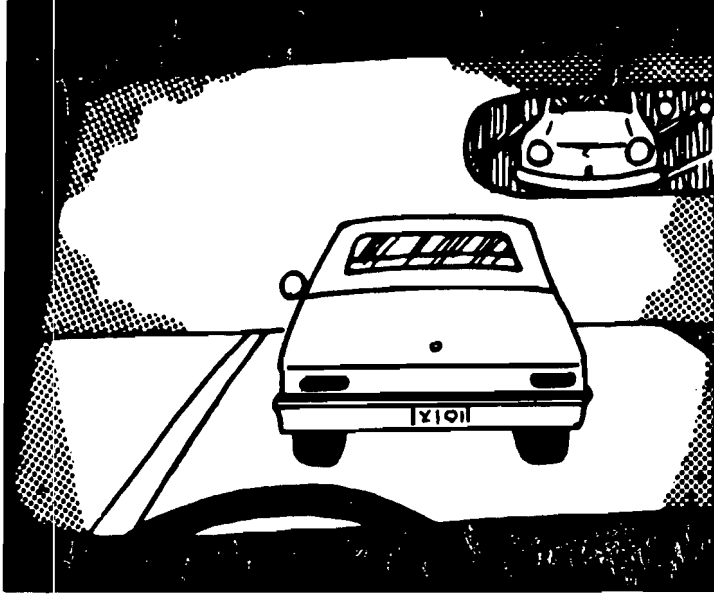


Pedestrians Suffering Moderate Injuries Distribution by Age and Sex* 1986 Accidents



Pedestrians Suffering Minor Injuries Distribution by Age and Sex* 1986 Accidents





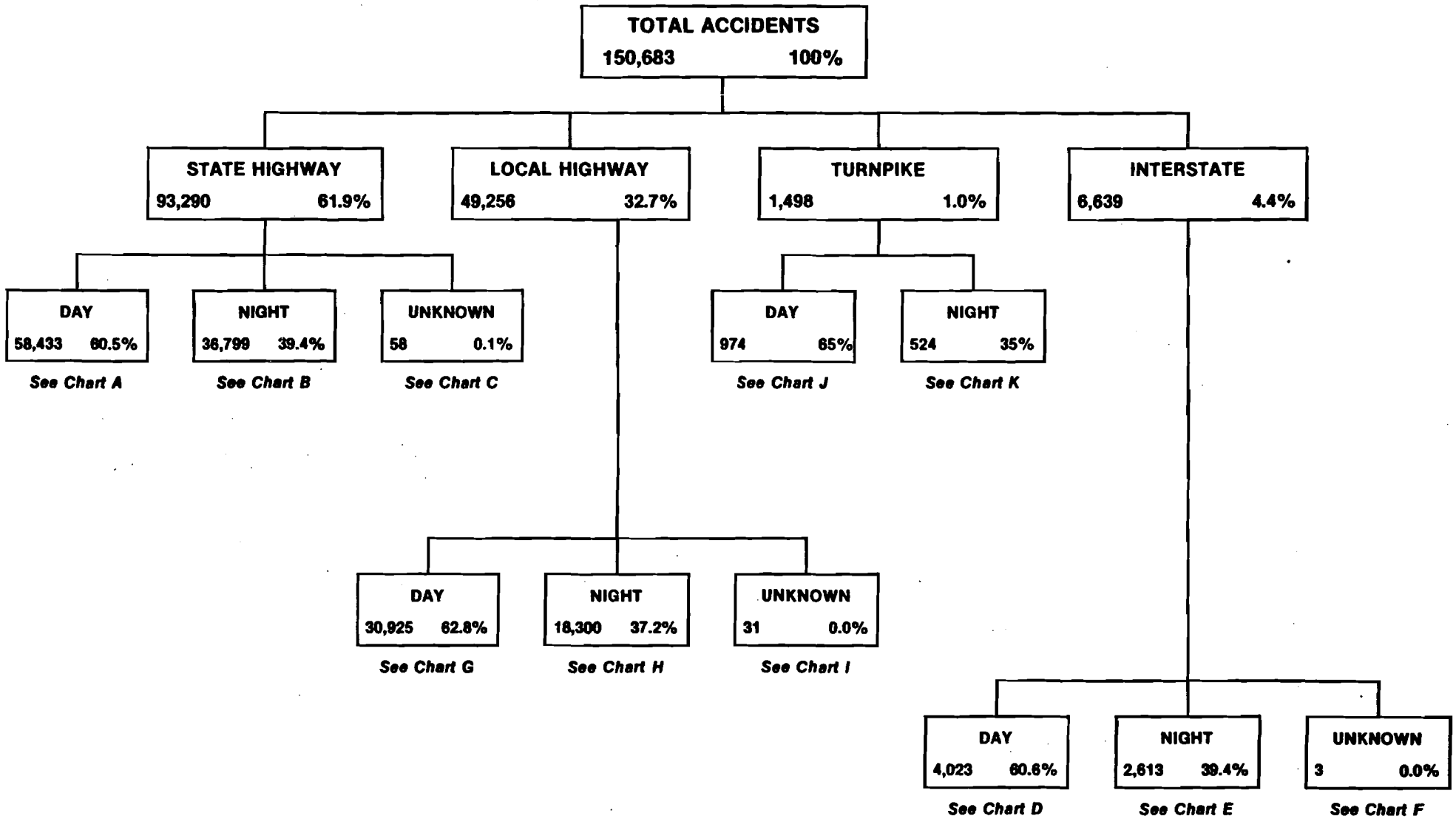
VIII. CHARACTERISTICS

VIII. A

General Accident Characteristics

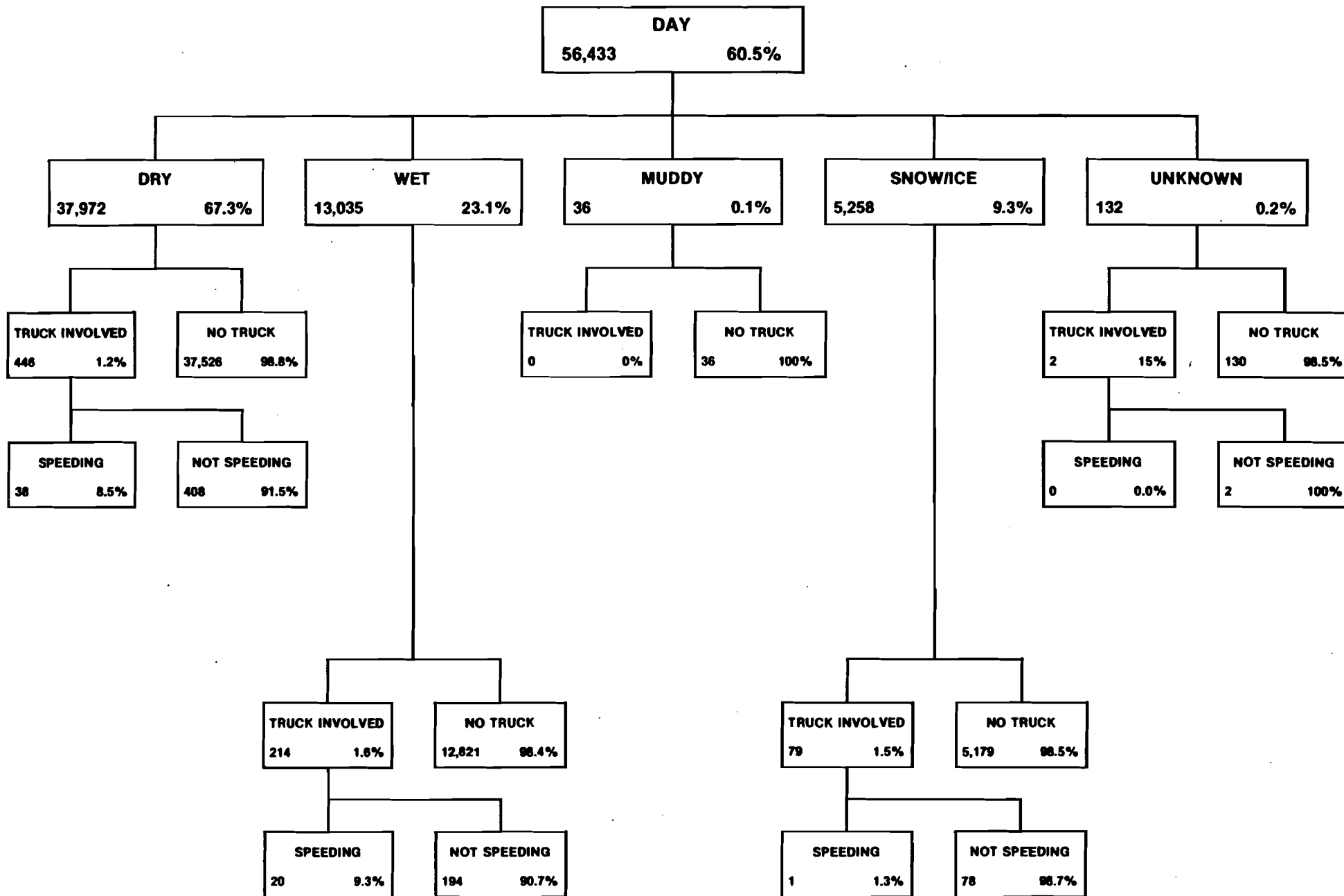
1988

GENERAL ACCIDENT CHARACTERISTICS



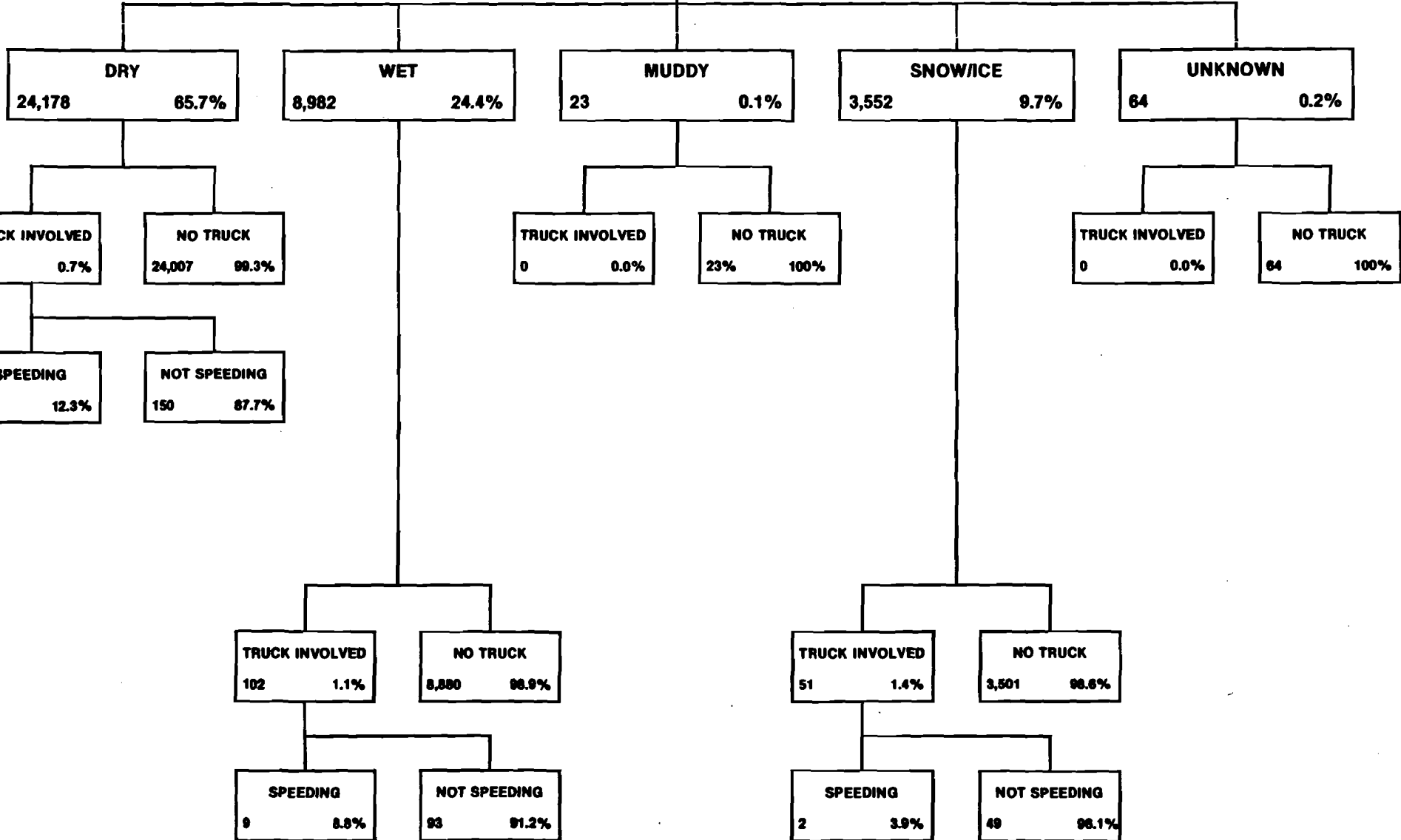
1986

STATE HIGHWAY CHART A



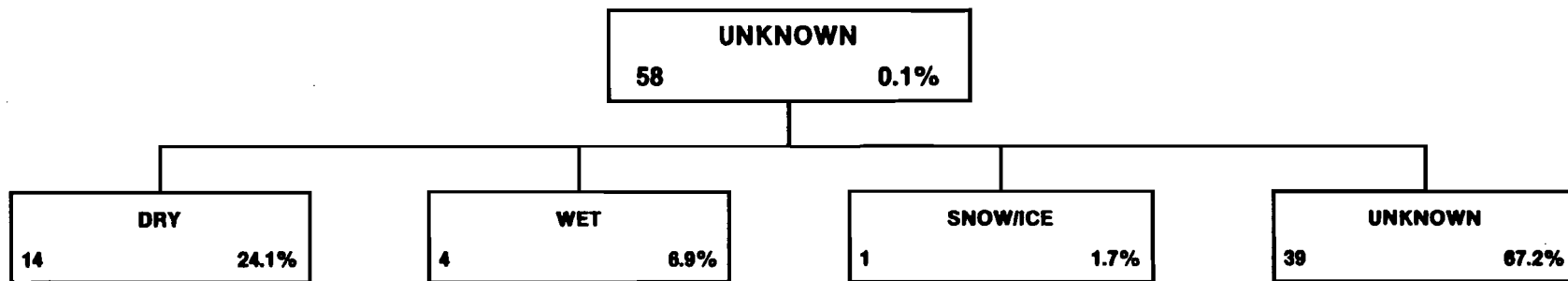
1986
**STATE HIGHWAY
 CHART B**

NIGHT
 36,799 39.4%



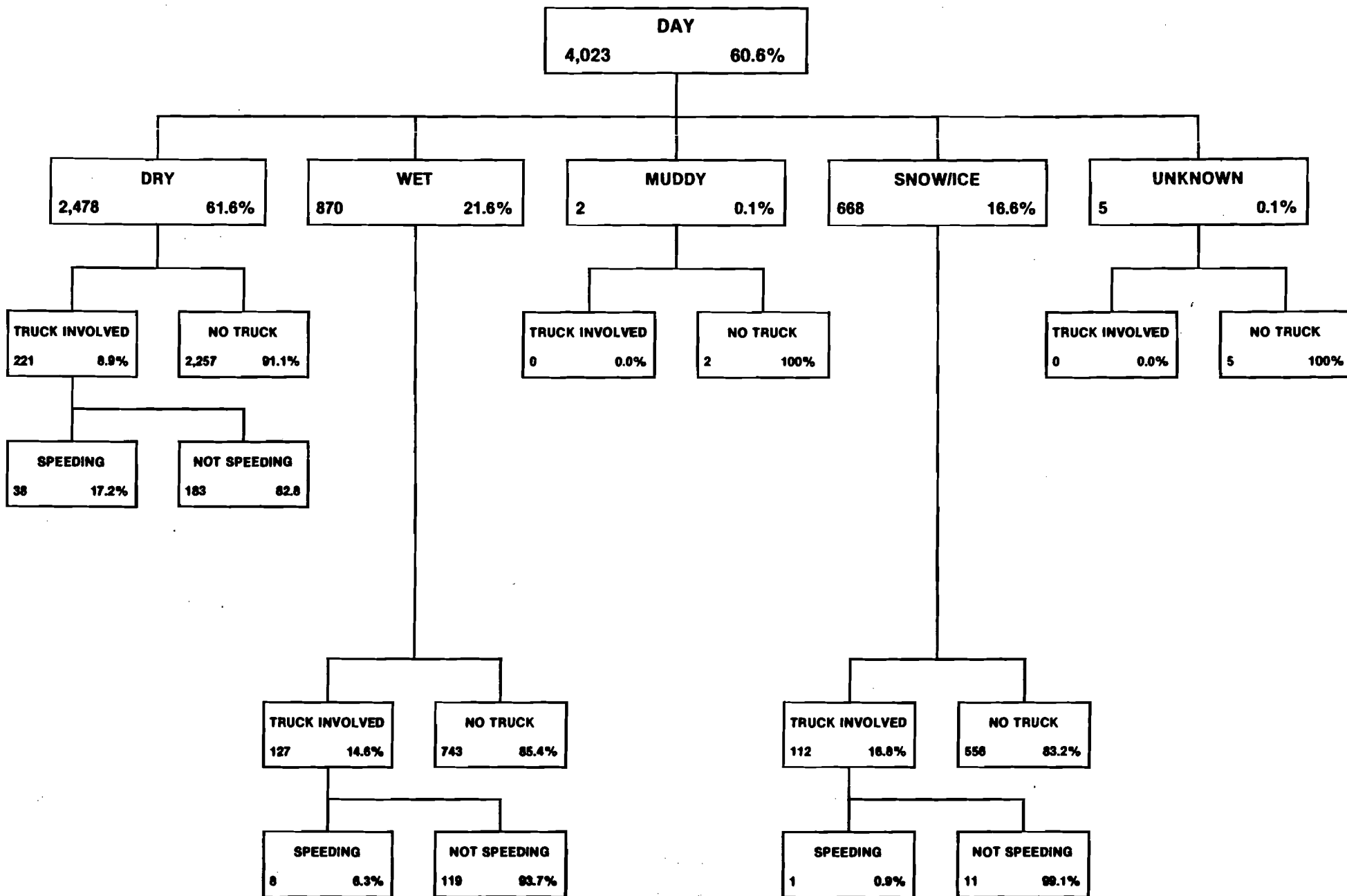
1986

STATE HIGHWAY CHART C



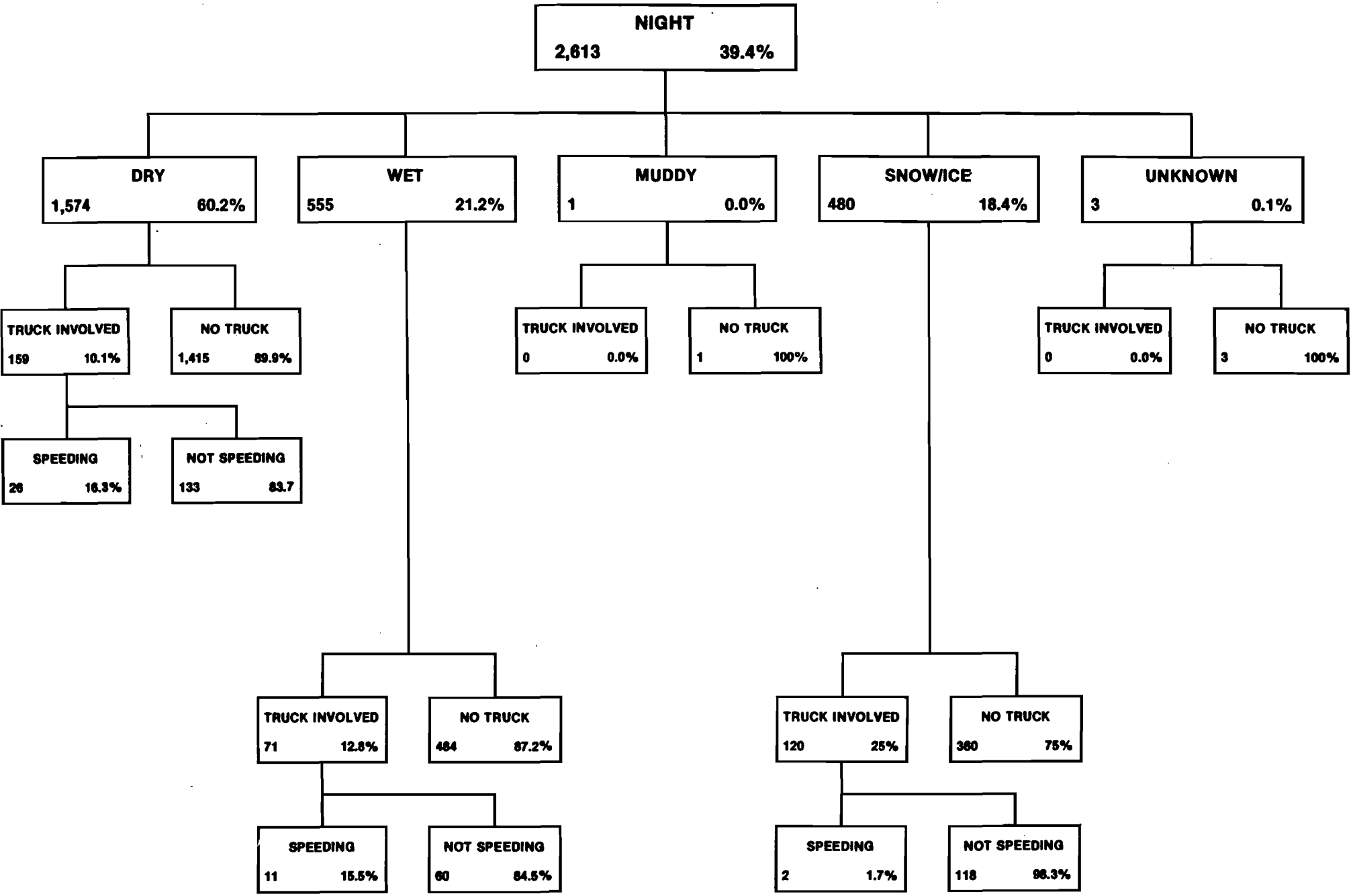
1986

INTERSTATE CHART D



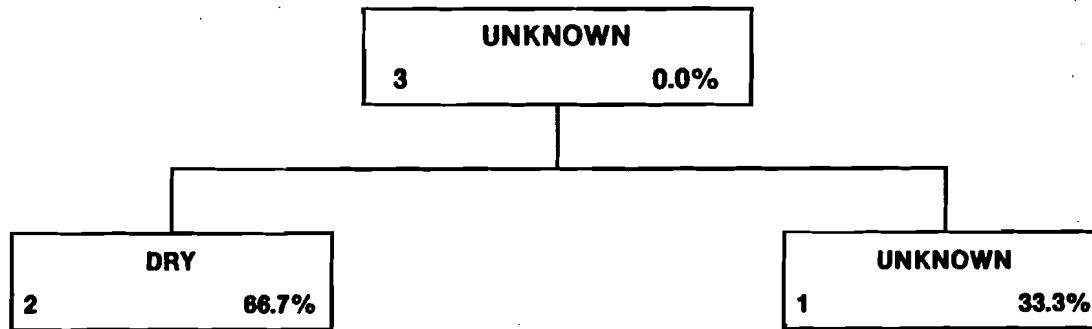
1986

INTERSTATE CHART E



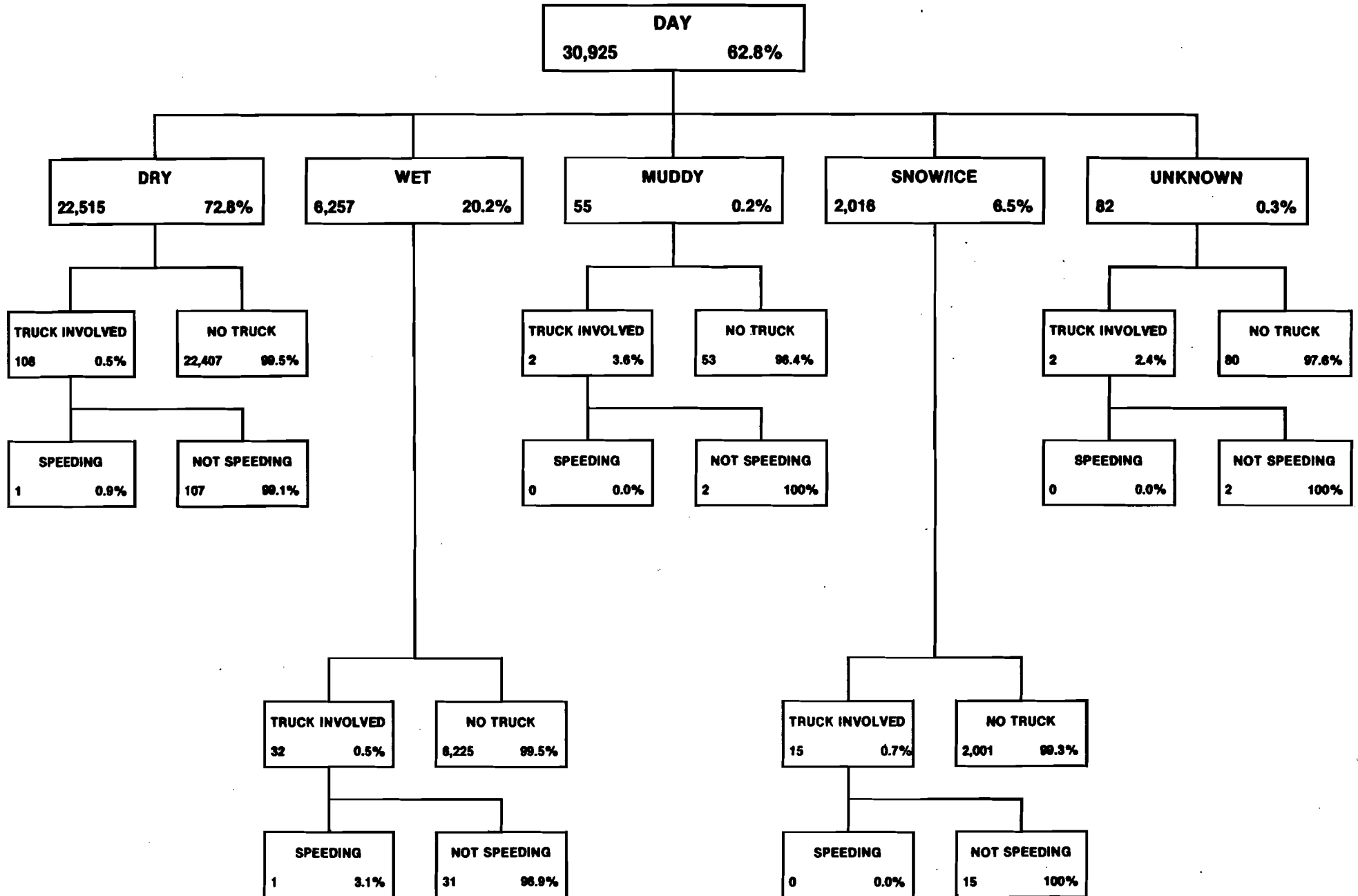
1986

**INTERSTATE
CHART F**



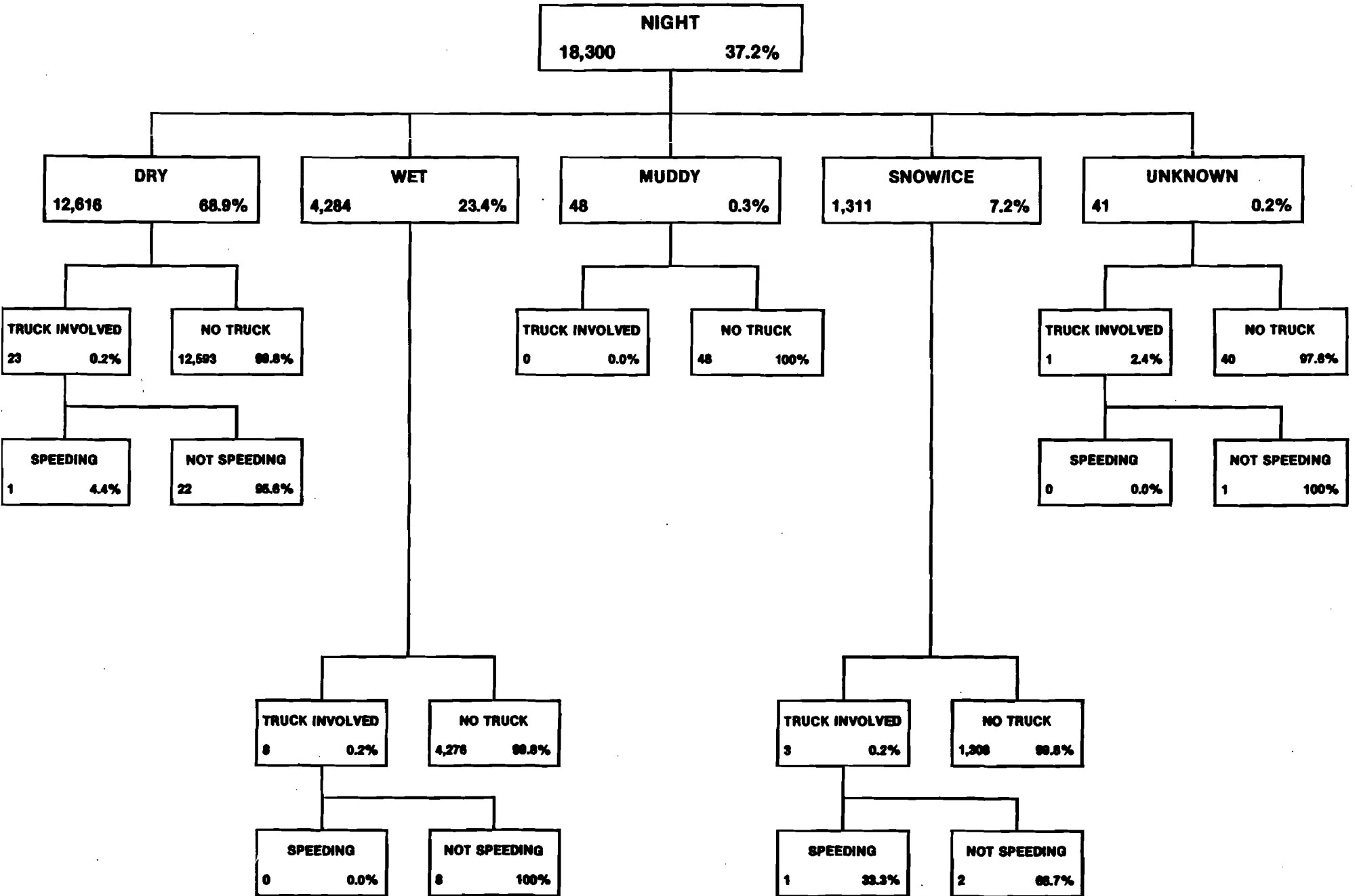
1986

LOCAL HIGHWAY CHART G



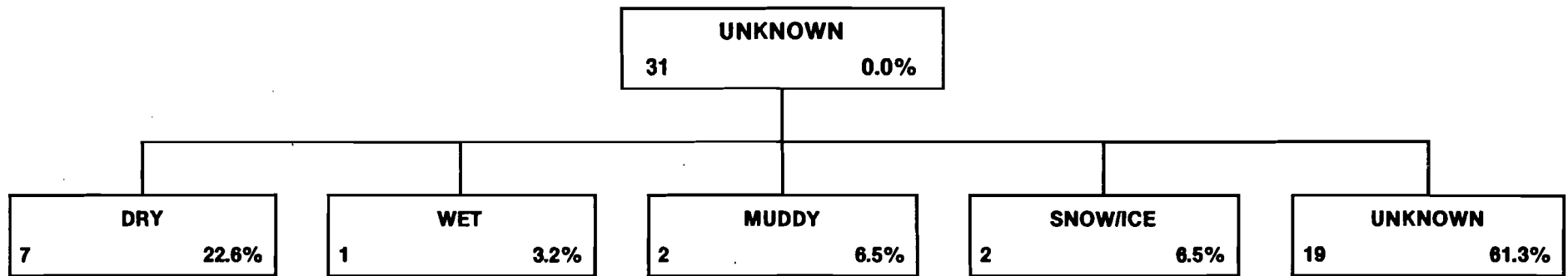
1986

LOCAL HIGHWAY CHART H



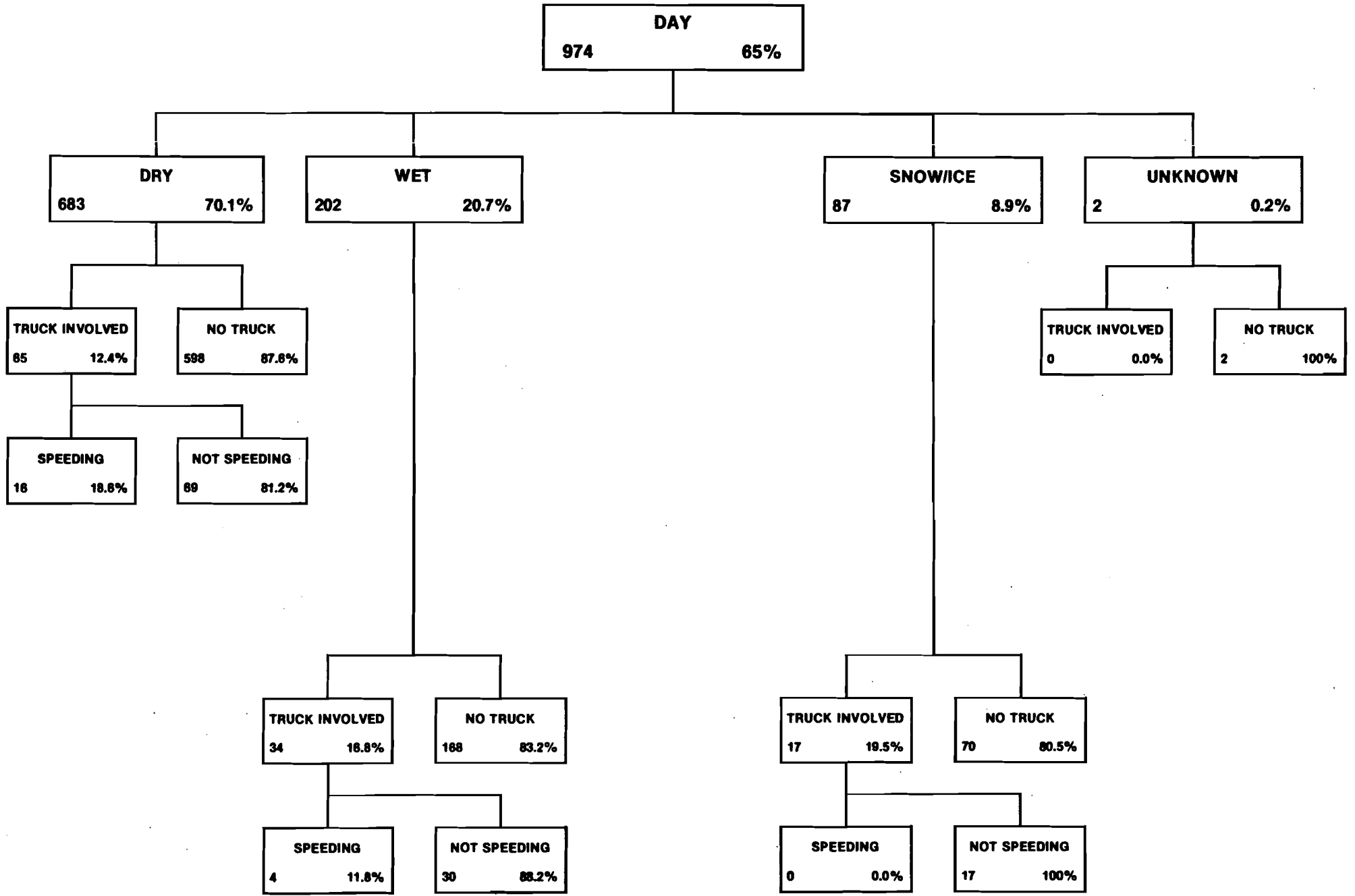
1986

LOCAL HIGHWAY CHART I



1986

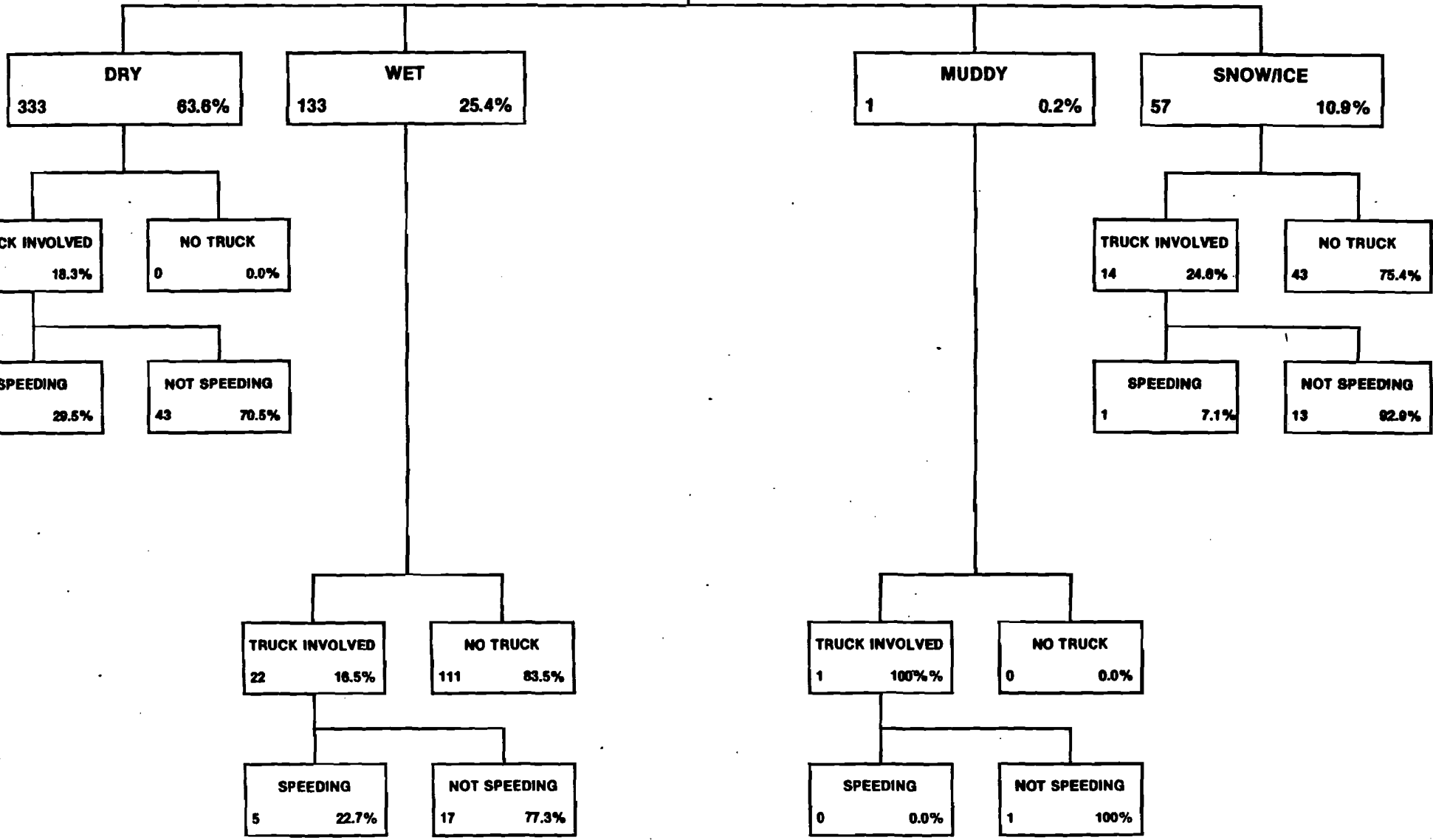
TURNPIKE CHART J



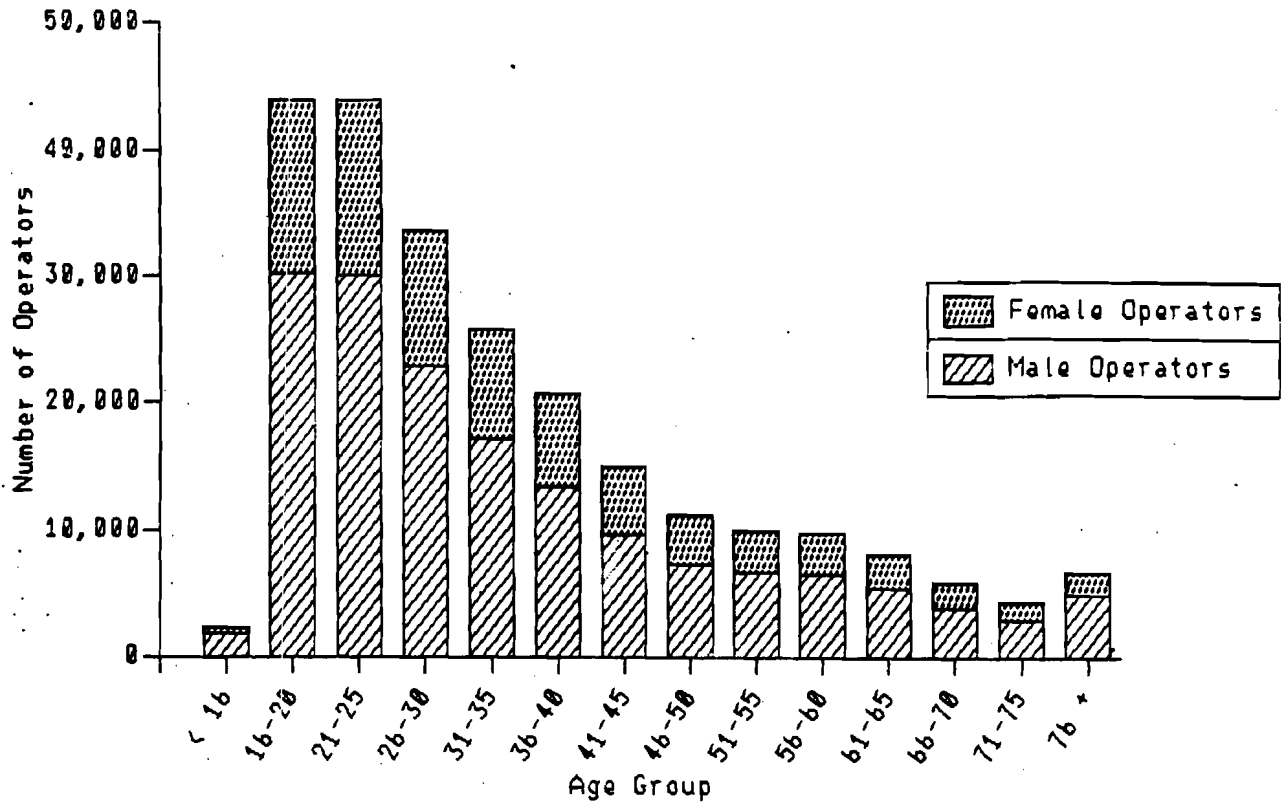
1986

TURNPIKE CHART K

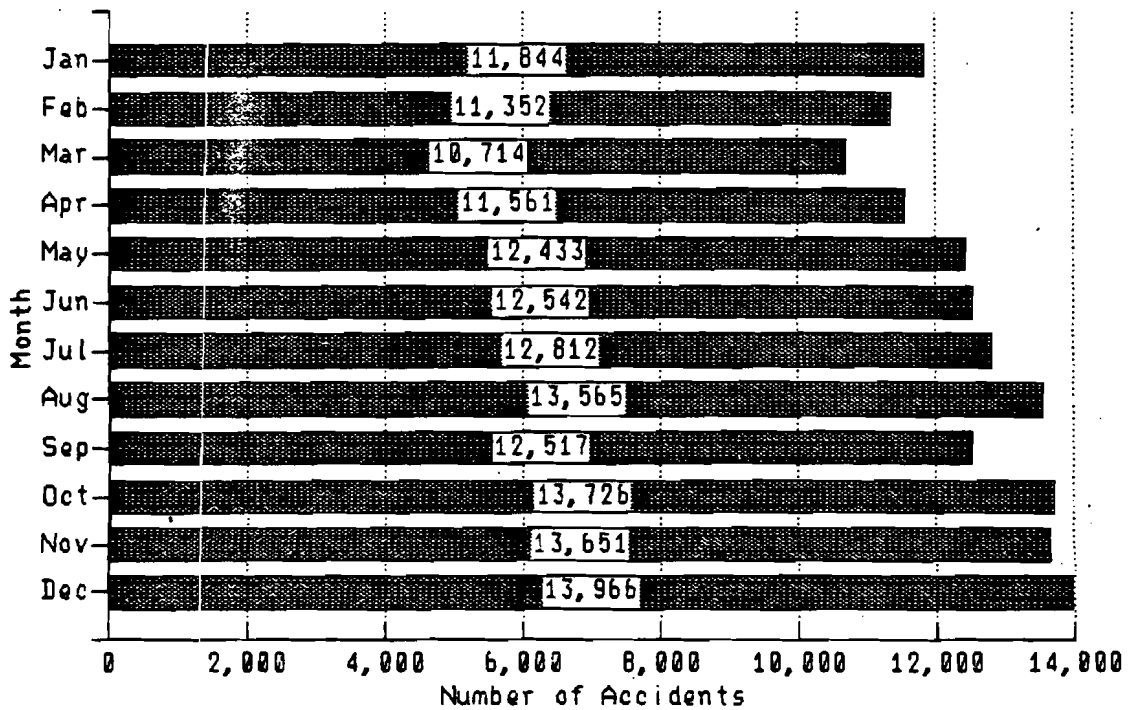
NIGHT
524 35.0%



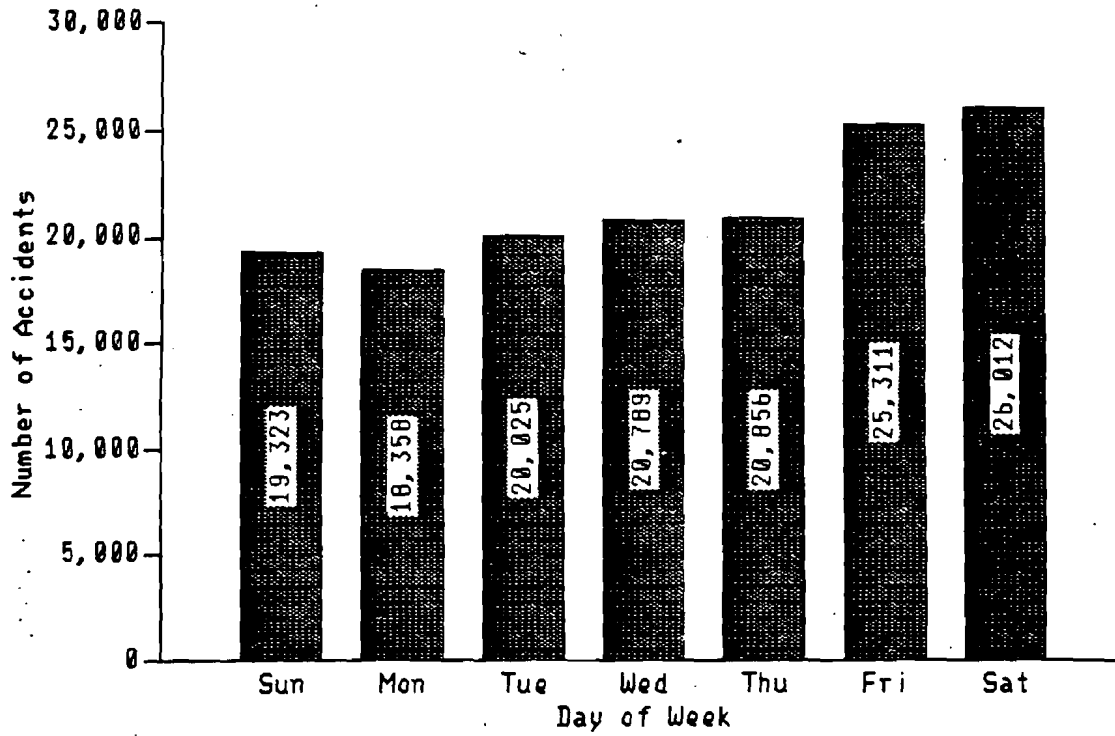
Operator Involvement in 1986 Accidents by Age and Sex



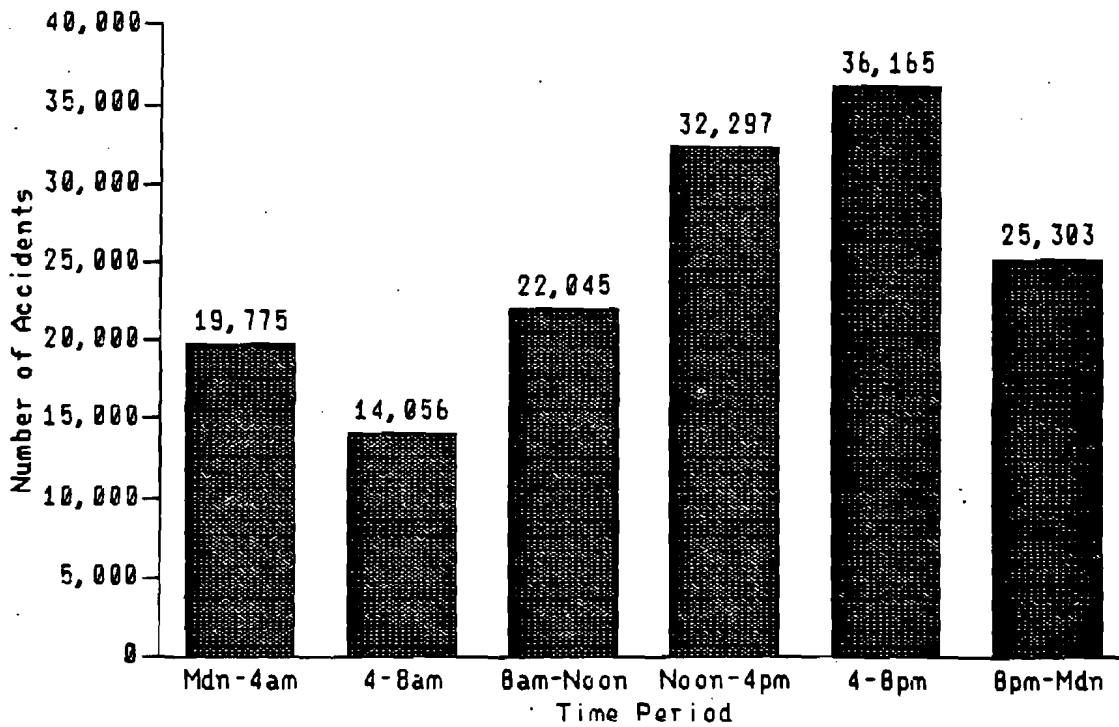
1986 Accidents by Month



1986 Accidents by Day of Week



1986 Accidents by Time of Day



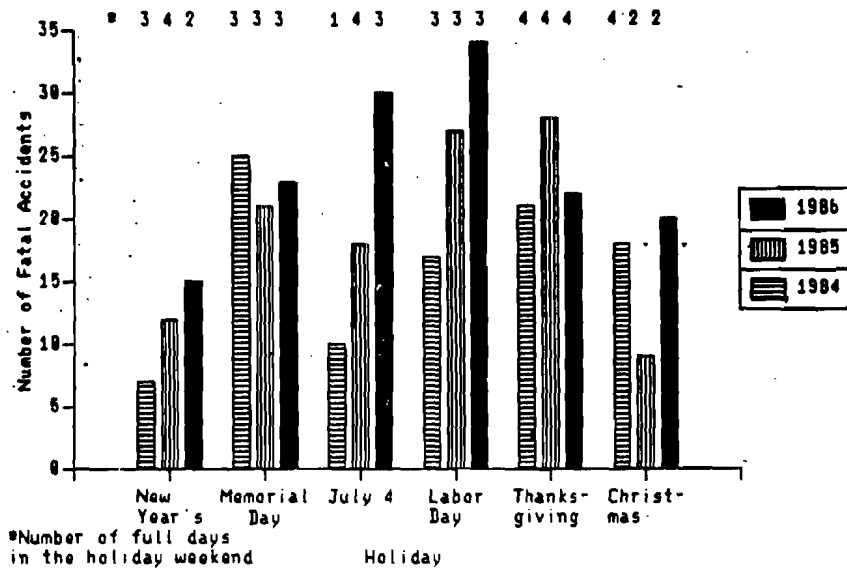
1986 HOLIDAY ACCIDENTS

HOLIDAY	BEGIN (6:00 pm)	END (12 midn)	FATAL ACC'S	TOTAL KILLED	INJURY ACC'S	TOTAL INJURED	PDO ACC'S	TOTAL ACC'S
NEW YEAR'S HOLIDAY	Dec. 30	January 1st	15	18	397	589	253	665
MEMORIAL DAY								
PRE	May 16	May 19	20	22	986	1,514	455	1,461
HOLIDAY	May 23	May 26	23	26	928	1,428	368	1,319
POST	May 30	June 2	24	25	887	1,358	365	1,276
4th OF JULY								
PRE	June 26	June 29	24	28	1,006	1,556	456	1,486
HOLIDAY	July 3	July 6	30	34	884	1,407	359	1,273
POST	July 10	July 13	21	22	1,013	1,656	497	1,531
LABOR DAY								
PRE	August 22	August 25	14	15	914	1,363	443	1,371
HOLIDAY	August 29	Sept. 1	34	37	897	1,402	410	1,341
POST	Sept. 5	Sept. 8	16	16	946	1,473	447	1,409
THANKSGIVING								
PRE	Nov. 19	Nov. 23	20	24	1,288	1,887	759	2,067
HOLIDAY	Nov. 26	Nov. 30	22	23	1,090	1,706	613	1,725
POST	Dec. 3	Dec. 7	18	19	1,061	1,587	600	1,679
CHRISTMAS								
PRE	Dec. 16	Dec. 18	7	7	687	995	387	1,081
HOLIDAY	Dec. 23	Dec. 25	20	20	1,021	1,553	718	1,759
TOTAL	—	—	306	332	14,001	22,426	7,128	21,436
TOTAL HOLIDAY	—	—	144	158	5,217	8,085	2,721	8,082

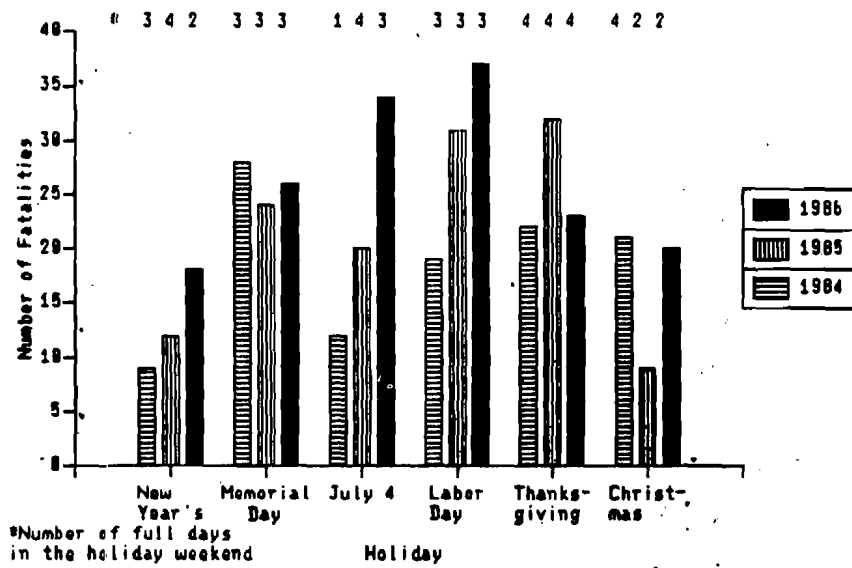
1986 ALCOHOL RELATED HOLIDAY ACCIDENTS

HOLIDAY	BEGIN (6:00 pm)	END (12 midn)	FATAL ACC'S	TOTAL KILLED	INJURY ACC'S	TOTAL INJURED	PDO ACC'S	TOTAL ACC'S
NEW YEAR'S HOLIDAY	Dec. 30	January 1st	10	12	111	160	63	184
MEMORIAL DAY								
PRE	May 16	May 19	6	7	165	269	87	258
HOLIDAY	May 23	May 26	13	16	191	292	87	291
POST	May 30	June 2	11	11	135	215	62	208
4th OF JULY								
PRE	June 26	June 29	14	16	186	301	82	282
HOLIDAY	July 3	July 6	15	16	198	313	75	288
POST	July 10	July 13	9	10	169	280	86	264
LABOR DAY								
PRE	August 22	August 25	9	9	172	258	86	267
HOLIDAY	August 29	Sept. 1	16	19	216	343	116	348
POST	Sept. 5	Sept. 8	7	7	178	304	102	287
THANKSGIVING								
PRE	Nov. 19	Nov. 23	6	6	210	299	99	315
HOLIDAY	Nov. 26	Nov. 30	11	12	233	367	88	332
POST	Dec. 3	Dec. 7	7	8	194	278	87	288
CHRISTMAS								
PRE	Dec. 16	Dec. 18	4	4	89	128	37	130
HOLIDAY	Dec. 23	Dec. 25	8	8	152	240	83	243
TOTAL	—	—	146	171	2,599	4,047	1,240	3,985
TOTAL HOLIDAY	—	—	73	83	1,101	1,715	512	3,484

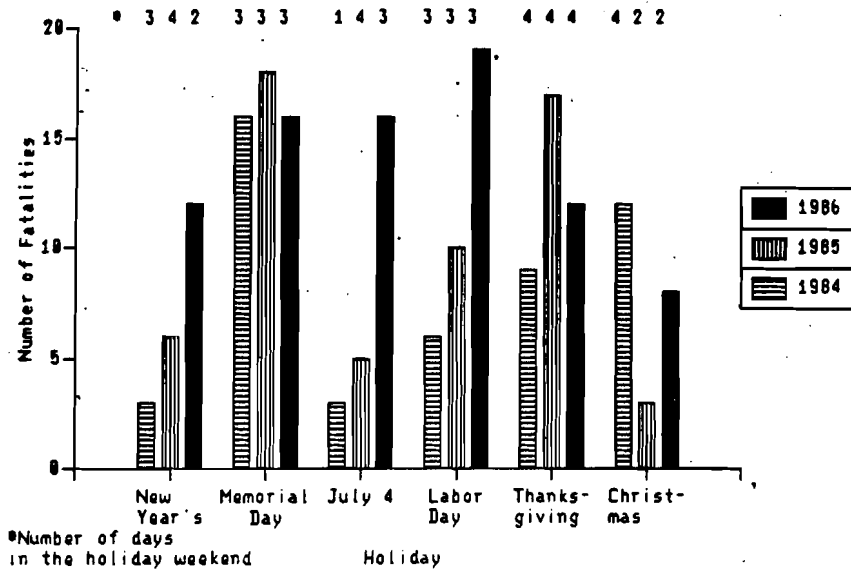
Holiday Fatal Accidents
1984-1986



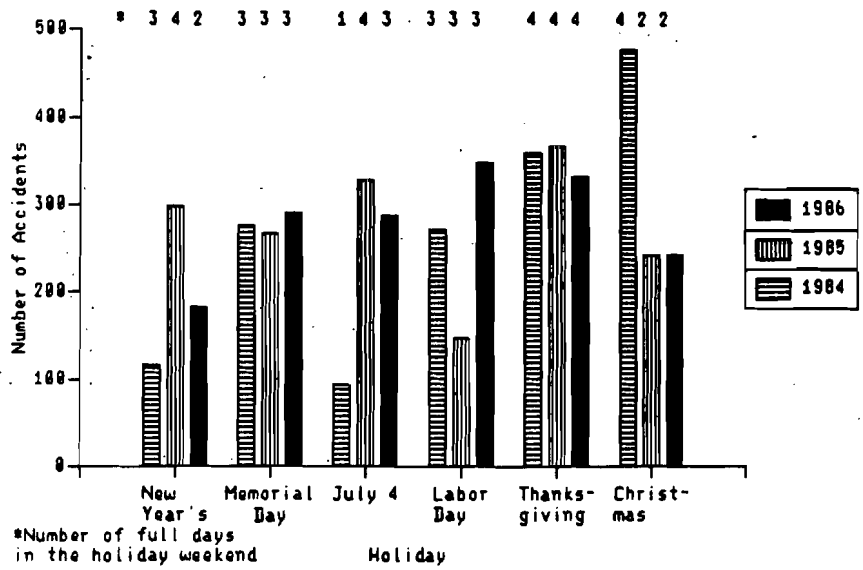
Holiday Fatalities
1984-1986



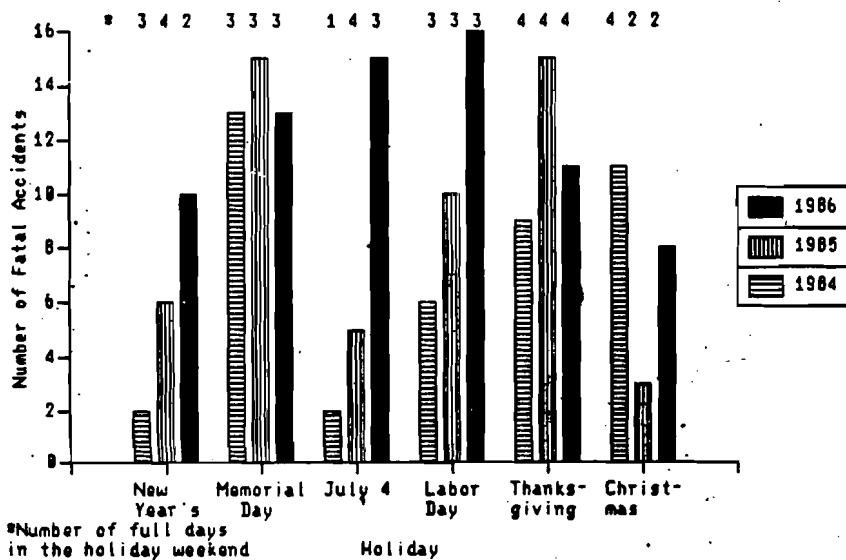
**Holiday Alcohol Related Fatalities
1984-1986**



**Holiday Alcohol Related Accidents
1984-1986**

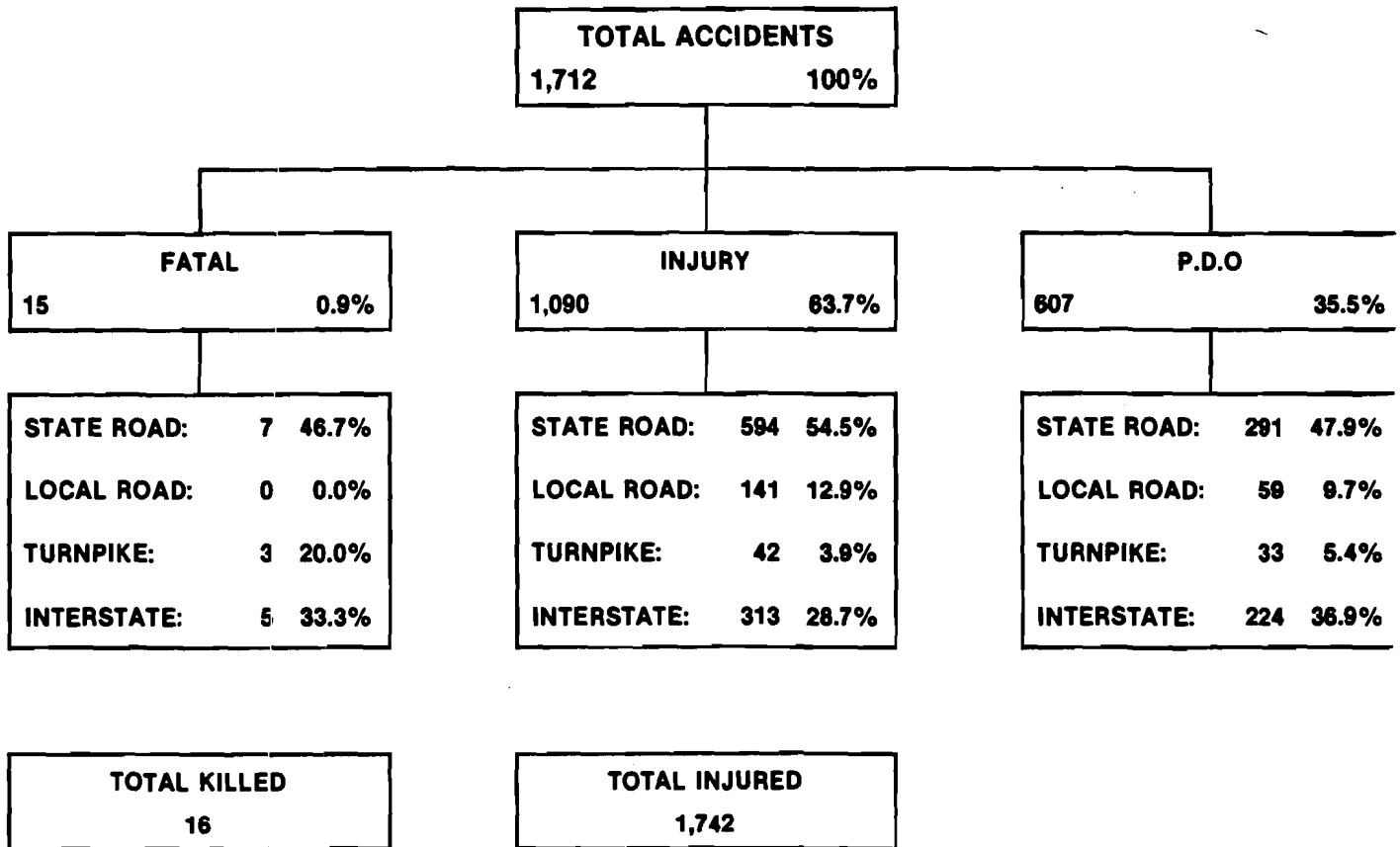


**Holiday Alcohol Related Fatal Accidents
1984-1986**



1986

CONSTRUCTION ZONE ACCIDENTS

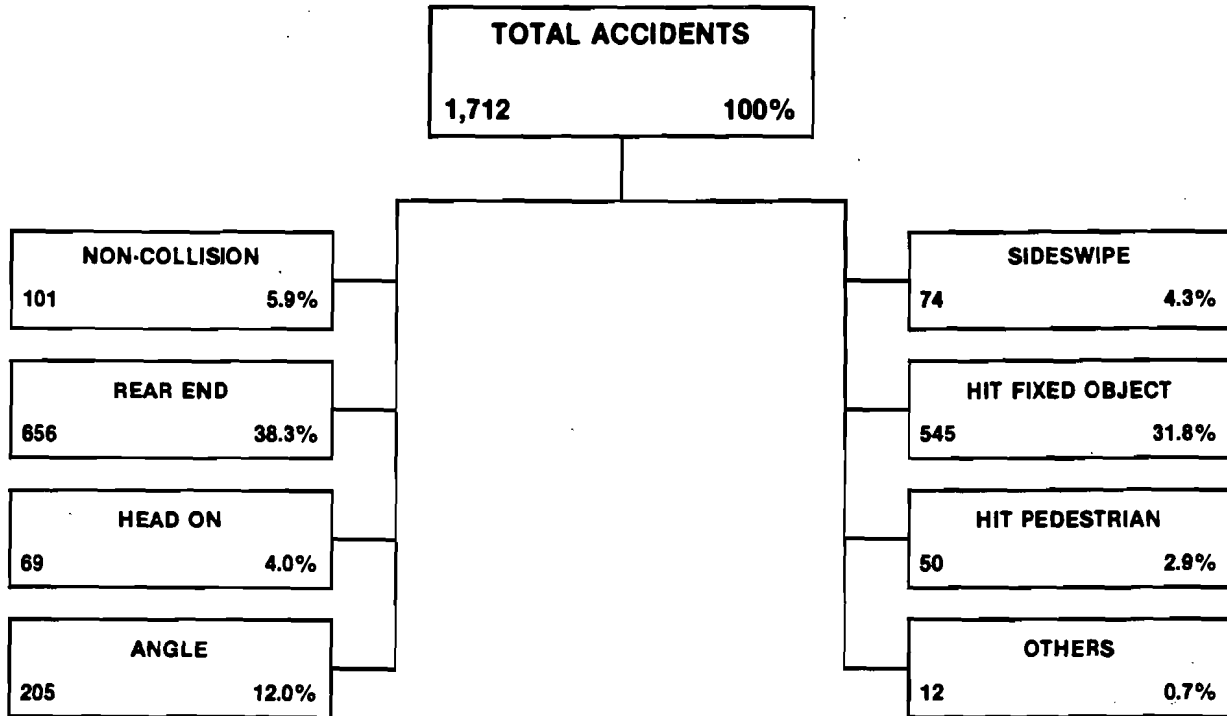


PEDESTRIAN WORKMEN KILLED: 1.

PEDESTRIAN WORKMEN INJURED: 40.

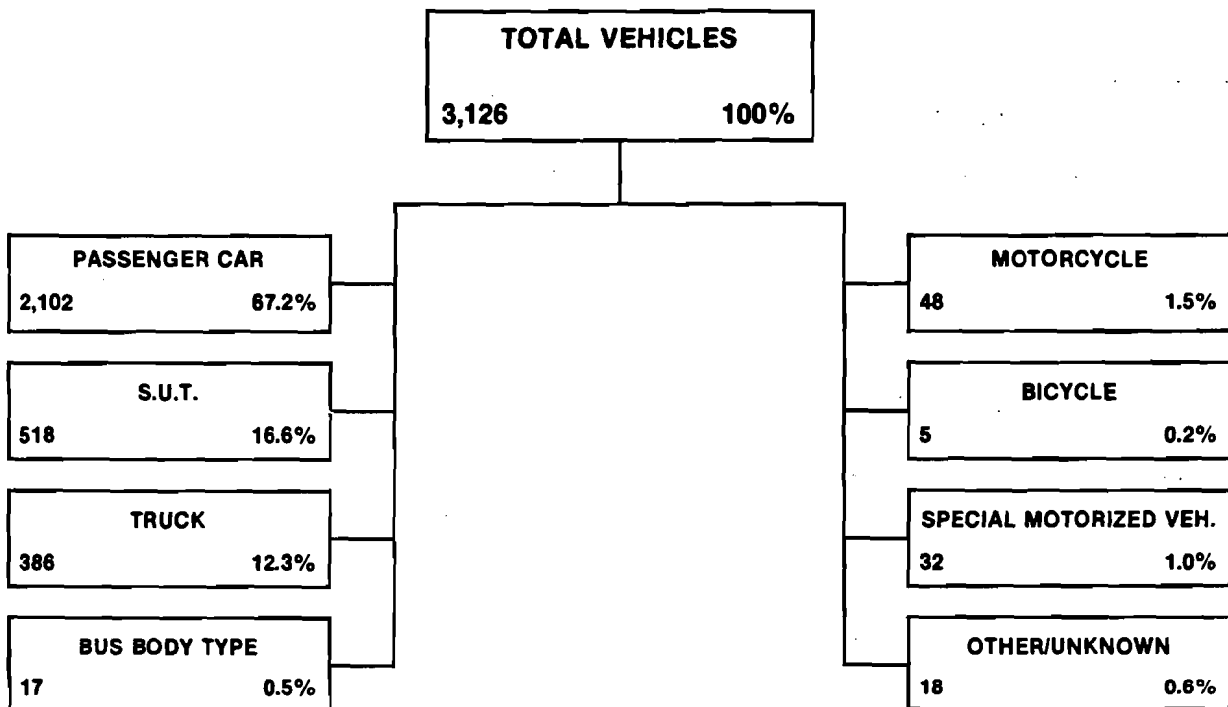
1986

CONSTRUCTION ZONE ACCIDENTS ACCIDENT TYPE



1986

VEHICLE INVOLVEMENT IN CONSTRUCTION ZONE ACCIDENTS

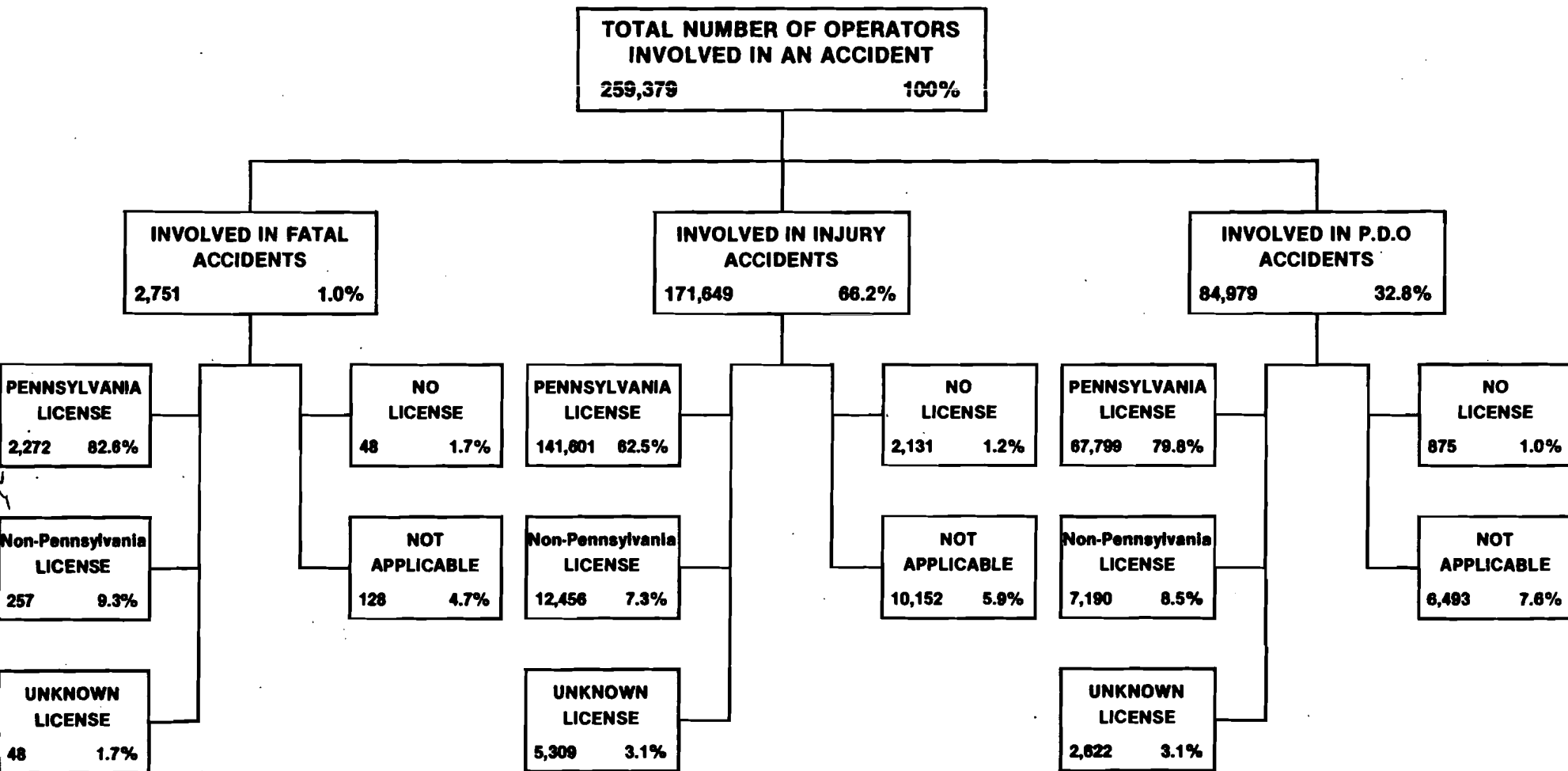


VIII. B

Driver Characteristics

1986

OPERATOR ACCIDENT INVOLVEMENT BY SEVERITY BY OPERATOR LICENSE



INVOLVEMENT OF 16 TO 18 YEAR OLD DRIVERS IN 1986 PENNSYLVANIA TRAFFIC ACCIDENTS

	Accidents	Alcohol Related Accidents
FATAL	217	70
INJURY	15,277	1,368
P.D.O.	8,364	584
TOTAL	23,858	2,022

HIGH COUNTIES — TOTAL ACCIDENTS

County	Accidents	County	Alcohol Related
Allegheny	1,945	Allegheny	152
Montgomery	1,812	Montgomery	127
Bucks	1,724	Bucks	118
Philadelphia	1,193	York	97
Delaware	1,058	Delaware	96
York	1,017	Chester	79
Chester	1,009	Westmoreland	77

HIGH COUNTIES — FATAL ACCIDENTS

County	Accidents	County	Alcohol Related
Allegheny	17	Allegheny	5
Bucks	11	Bucks	4
Montgomery	10	Susquehanna	4
		Washington	4

High Hour Periods	Total Accidents	High Hour Periods	Alcohol Related Accidents
4 P.M.-8P.M.	6,542	8 P.M.-Midnight	868
8 P.M.-Midnight	5,788	Midnight-4 A.M.	609
Noon-4 P.M.	5,323	4 P.M.-8 P.M.	248

Day	Hour Periods	Total Accidents
Friday	4:00 P.M. - 8:00 P.M.	1,222
Friday	8:00 P.M. - Midnight	1,209
Saturday	8:00 P.M. - Midnight	1,046
Thursday	4:00 P.M. - 8:00 P.M.	

Day	Hour Periods	Alcohol Related Accidents
Friday	8:00 P.M. - Midnight	266
Saturday	Midnight - 4:00 A.M.	256
Saturday	8:00 P.M. - Midnight	213
Sunday	Midnight - 4 A.M.	209

1986

YOUNG DRIVERS IN ACCIDENTS

Killed	Total Accidents	Alcohol Related Accidents
Total Killed	252	85
Drivers 16-18	142	52
Male	116	44
Female	26	8
Others 16-18	110	33
Total 16-18	252	85

DRIVERS INVOLVED

Total 16-18	25,006
Age 16	6,473 (25.9%)
Age 17	8,963 (35.8%)
Age 18	9,570 (38.3%)
Male	17,082 (68.3%)
Female	7,924 (31.7%)

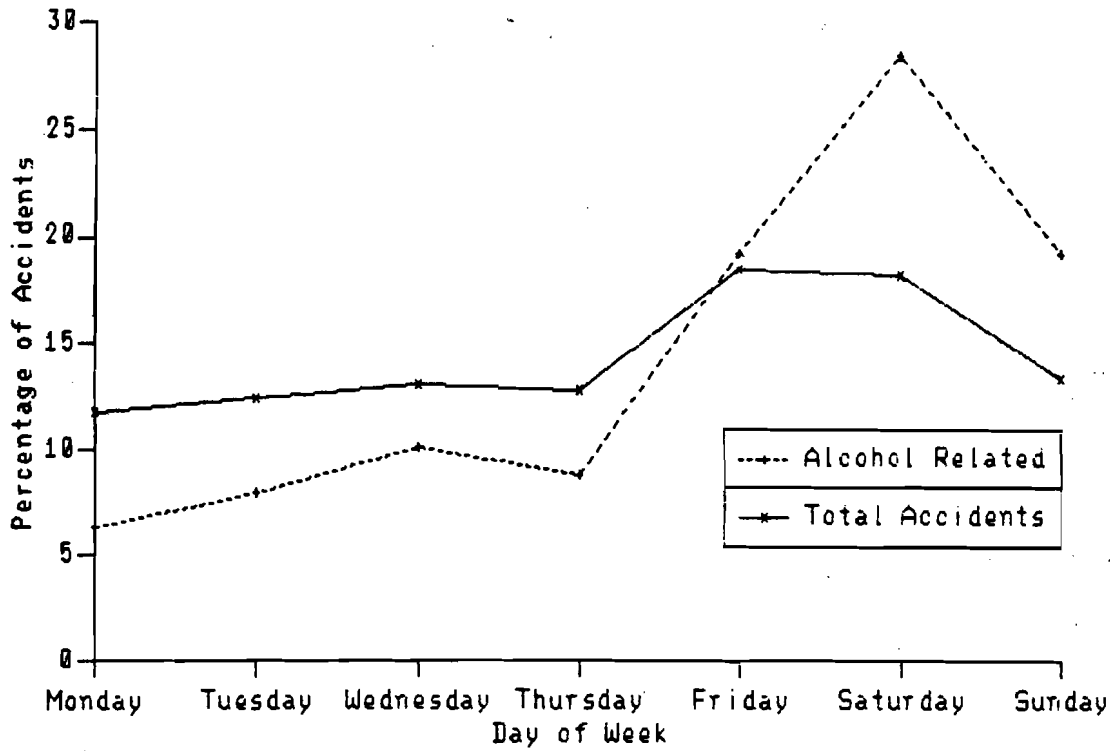
Driver Population

Number of Drivers

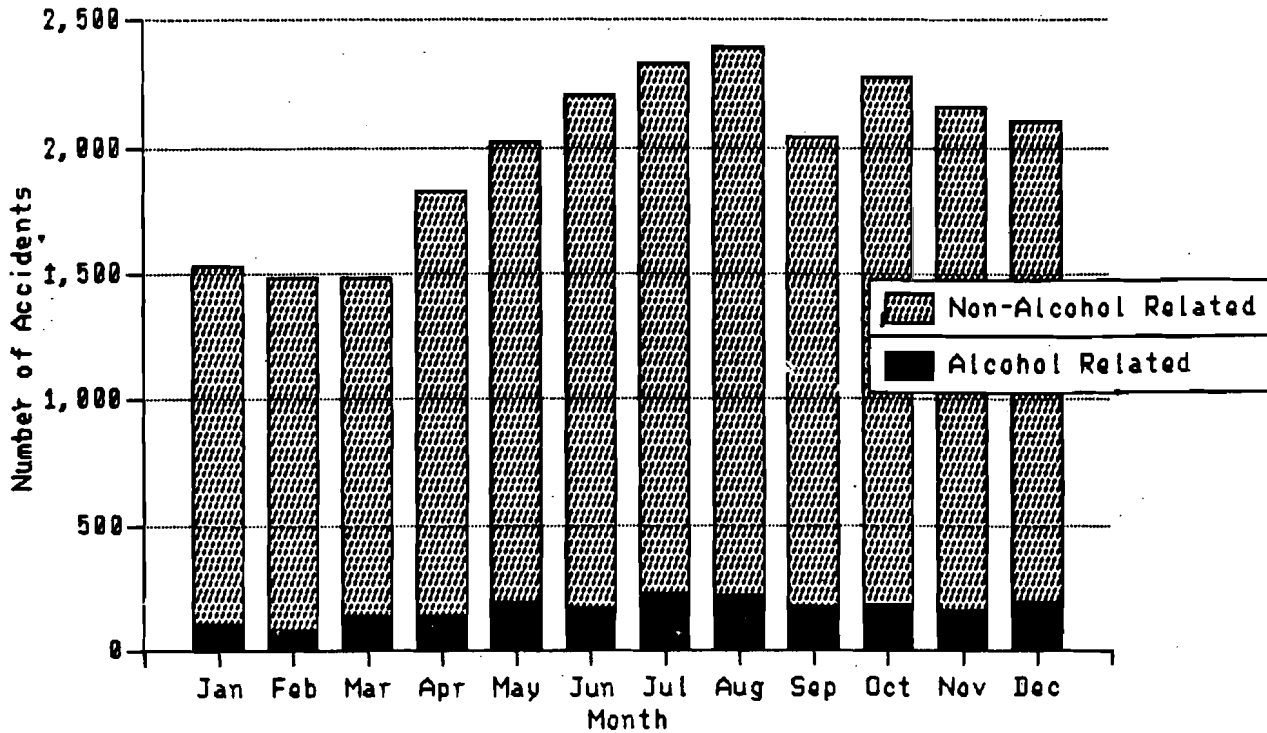
Age 16-18	298,005	(3.8% all drivers)
Male	163,393	(2.1% all drivers)
Female	134,612	(1.8% of all drivers)
		(3.7% all female drivers)
Age 16	59,499	(0.8% all drivers)
Male	33,427	
Female	26,072	
Age 17	109,447	(1.4% all drivers)
Male	59,819	
Female	49,628	
Age 18	129,059	(1.7% all drivers)
Male	70,147	
Female	58,912	

1986

Percentage of Young Driver Accidents Regarding Alcohol Involvement by Day of Week

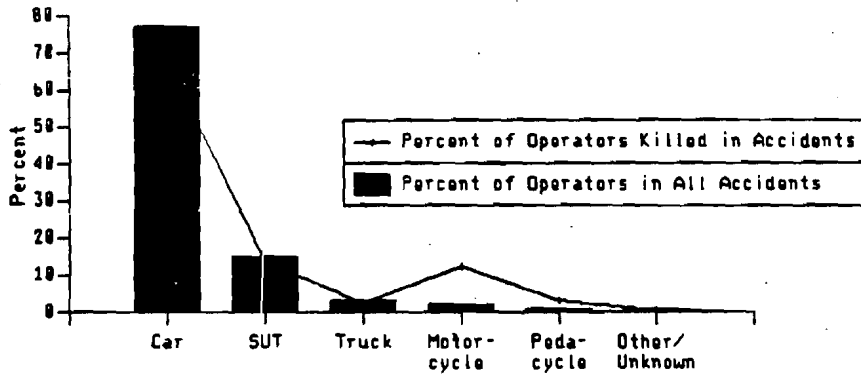


1986 Young Driver Accidents by Month



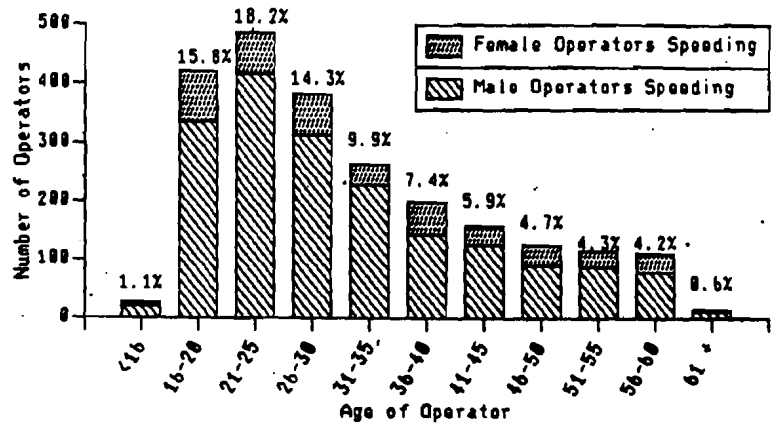
1986

Percent of Operators in All Accidents
vs
Percent of Operators Killed in Accidents
by Vehicle Type



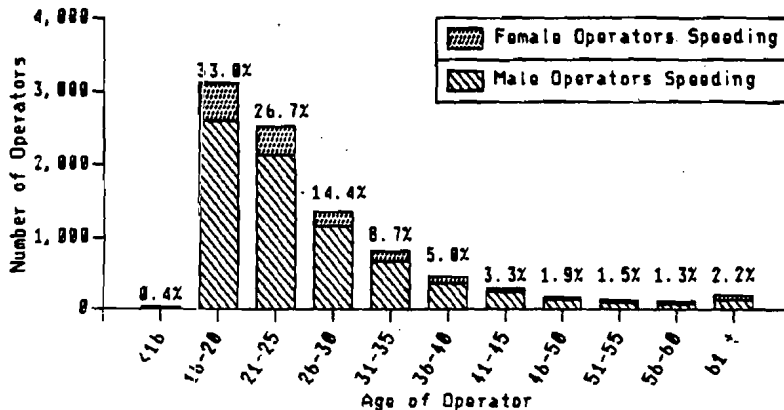
1986

Speed Related Fatal Crashes
Age and Sex of Operator Speeding



1986

Speed Related Crashes
Age and Sex of Operator Speeding

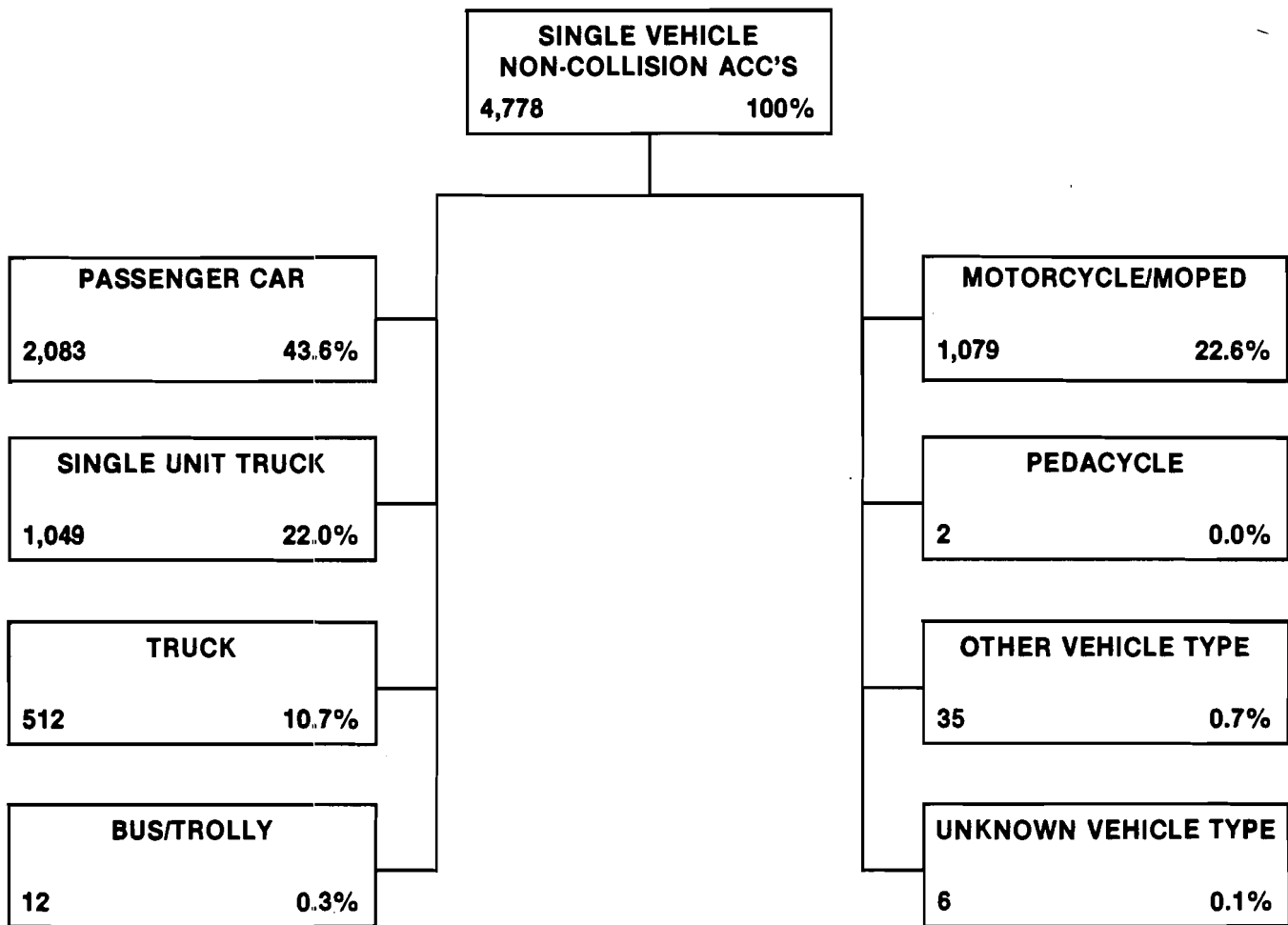


VIII. C

Vehicle Characteristics

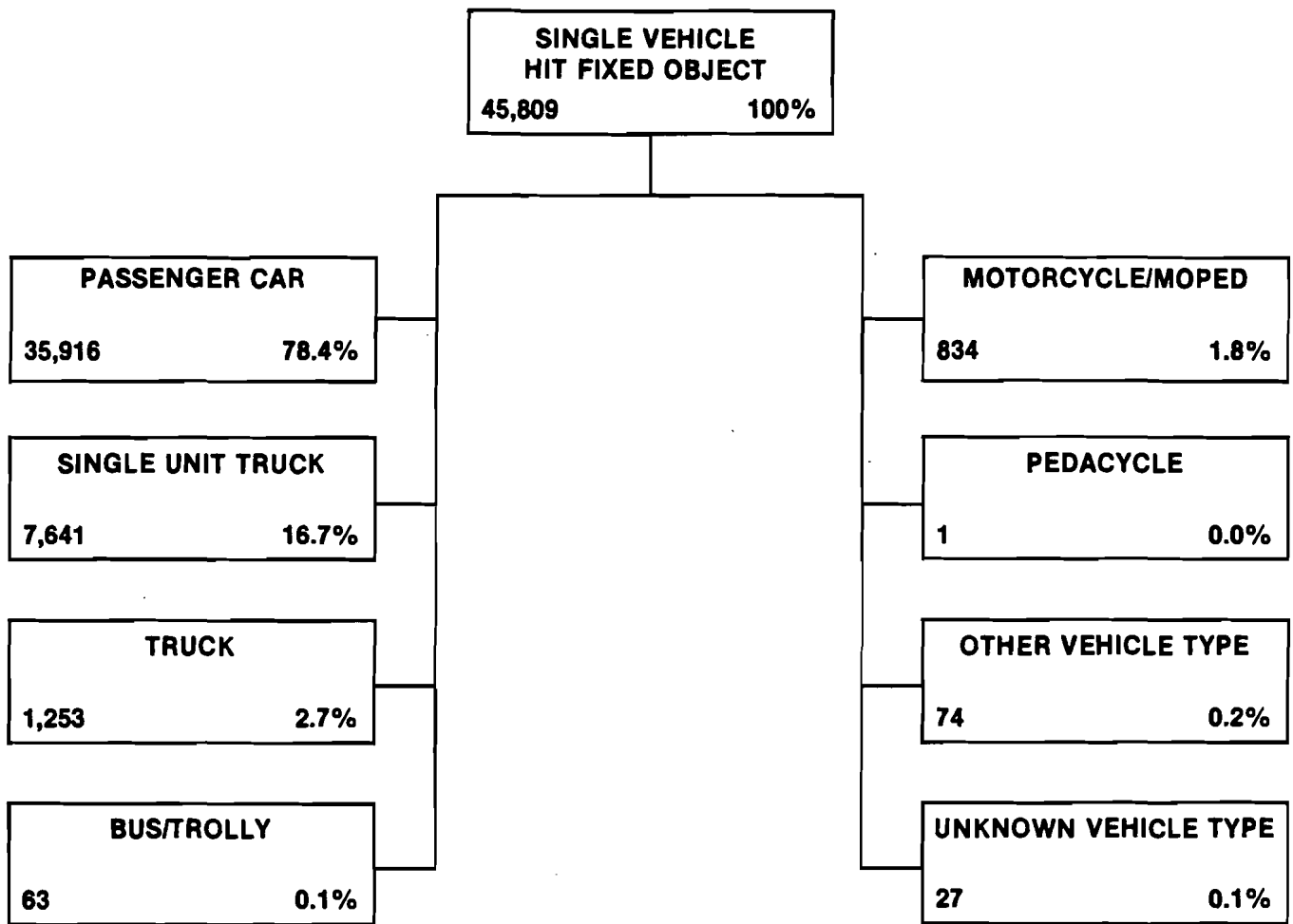
SINGLE VEHICLE NON-COLLISION ACCIDENTS

1986



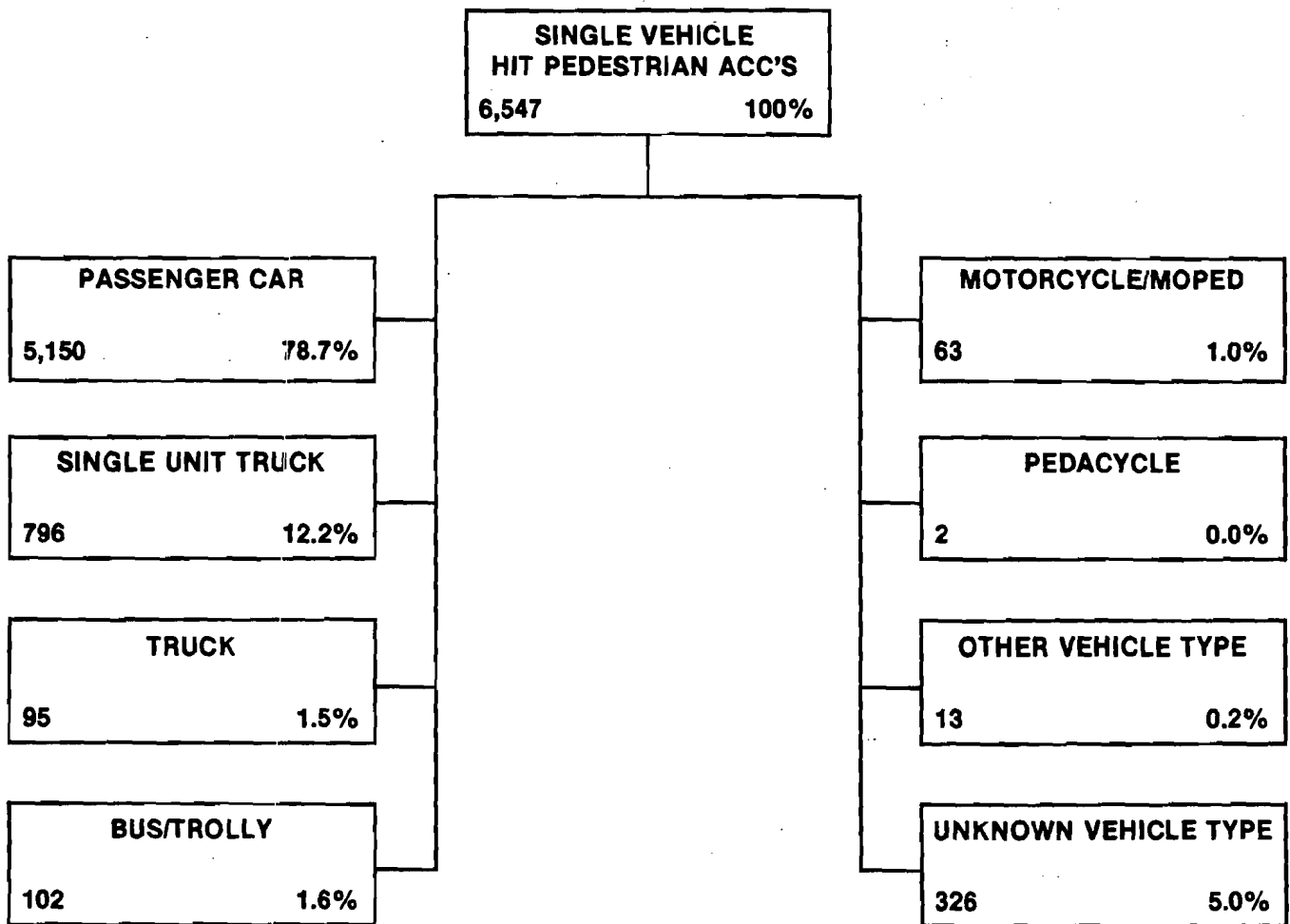
SINGLE VEHICLE HIT FIXED OBJECT ACCIDENTS

1986



SINGLE VEHICLE HIT PEDESTRIAN ACCIDENTS

1986



1986

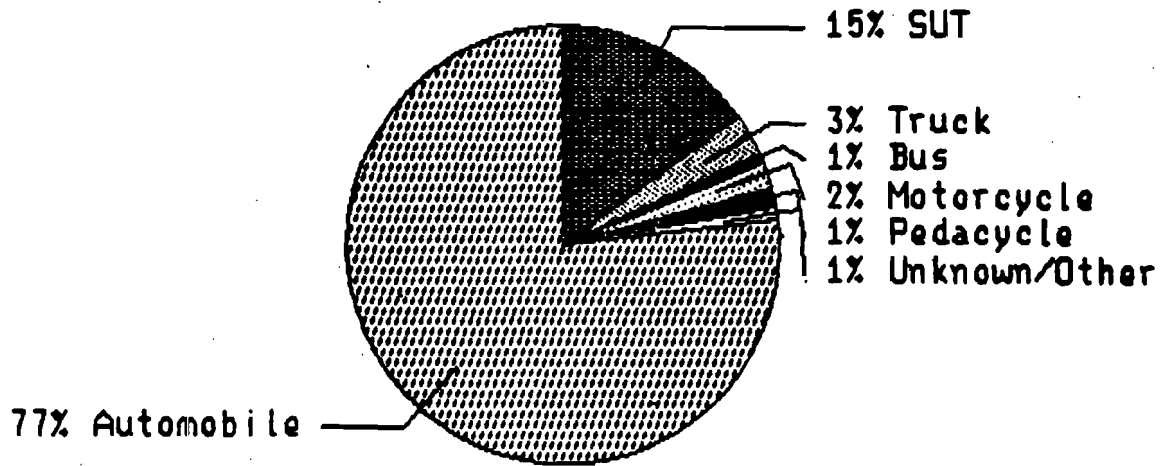
TWO VEHICLE COLLISIONS*

	Car	Single Unit Truck	Truck	Bus/ Trolley	Motorcycle/ Moped	Pedacycle	Other Vehicle	Unknown Vehicle
Car	43,471	15,952	3,225	726	2,118	2,731	374	674
Single Unit Truck		1,801	707	142	164	396	105	68
Truck			378	34	46	32	28	11
Bus/ Trolley				16	9	32	10	3
Motorcycle/ Moped					59	51	7	37
Pedacycle						1	4	148
Other Vehicle							5	2
Unknown Vehicle								7

*INCLUDES ACCIDENTS WHERE TWO VEHICLES COLLIDED AND SUBSEQUENTLY STRUCK ONE OR MORE PARKED VEHICLES. THE TWO COLLIDING VEHICLES ARE COUNTED, BUT THE PARKED VEHICLES ARE NOT.

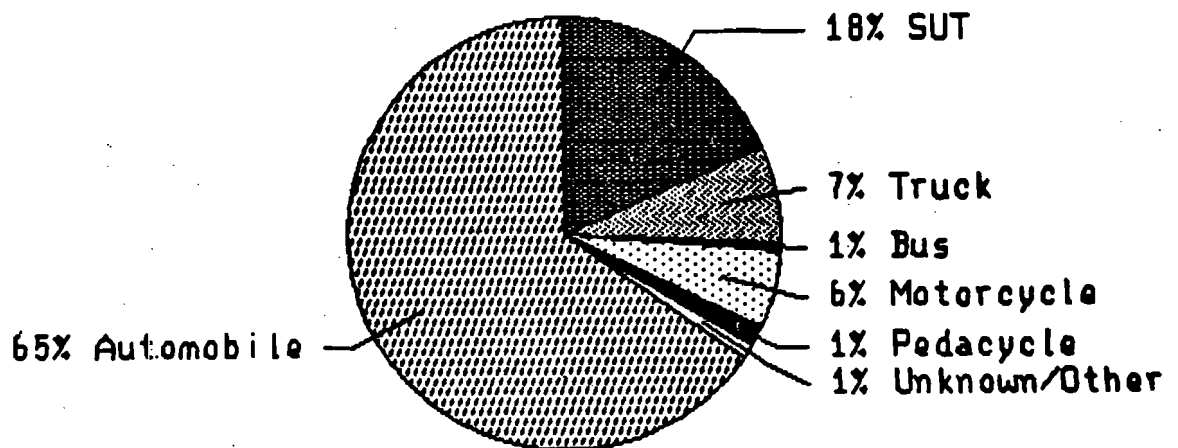
1986

Vehicle Involvement in Accidents



1986

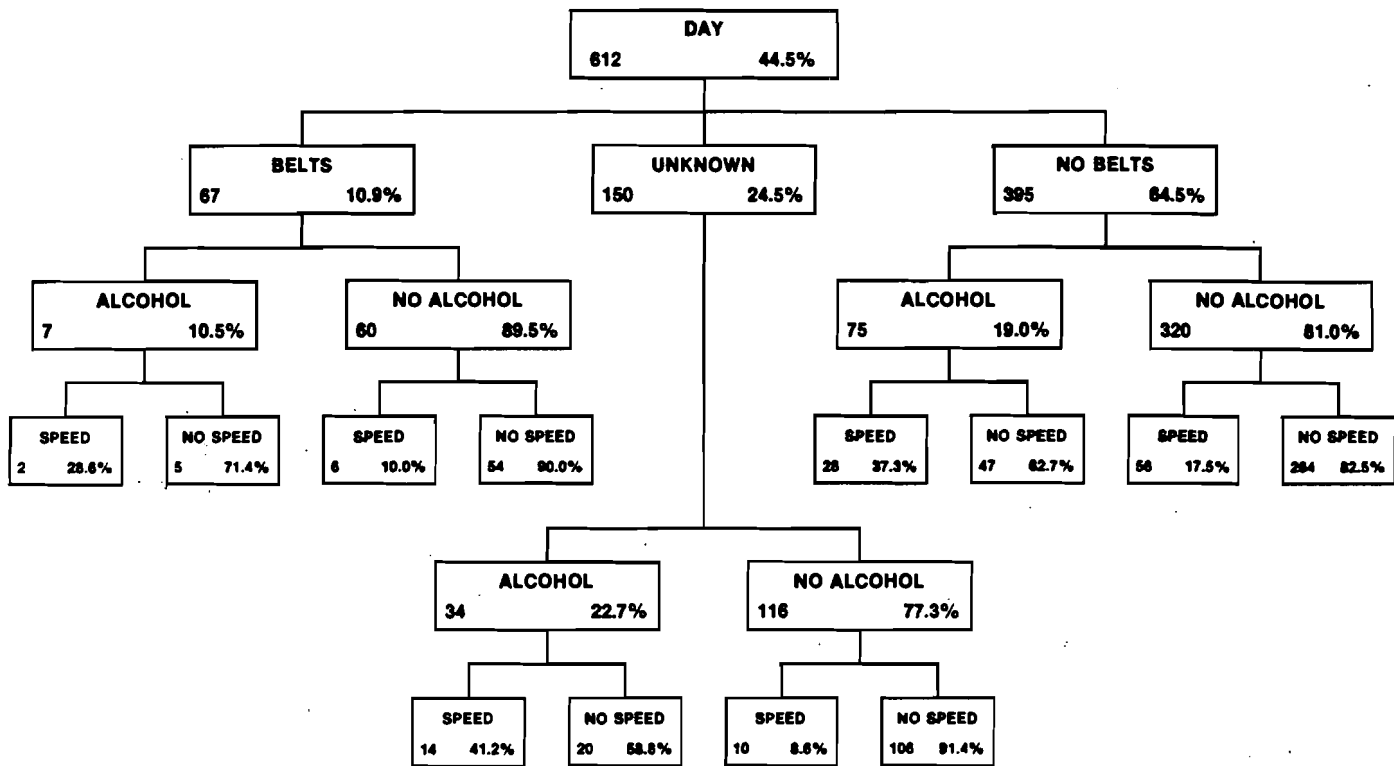
Vehicle Involvement in Fatal Accidents



1986

PASSENGER CAR FATALITIES

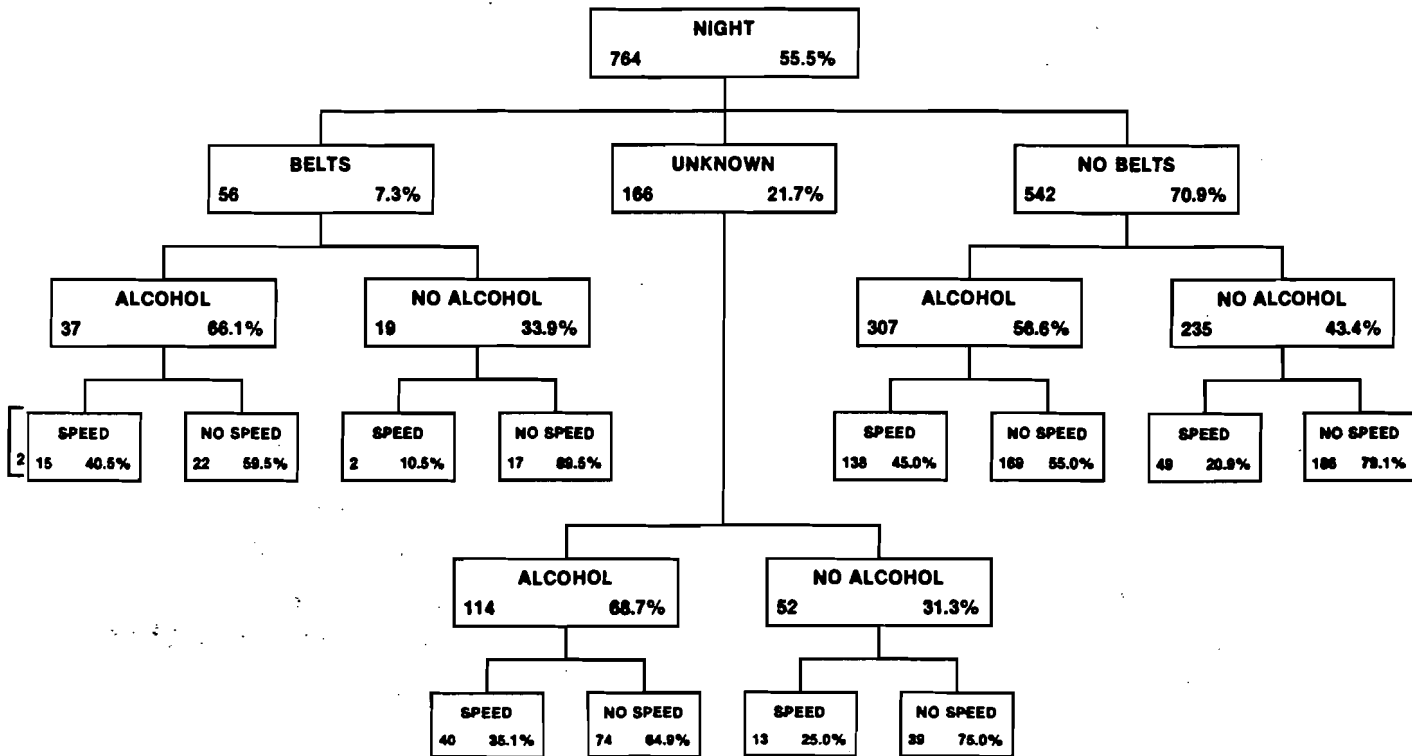
1,376 100%



1986

PASSENGER CAR FATALITIES

1,376 100%



PASSENGER CAR ACCIDENTS

1986

	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	153,336 (76.9%)	1,415 (78.7%)
Out of State	13,996 (7.0%)	127 (7.1%)
Not Applicable/Unknown	32,050 (16.1%)	255 (14.2%)
Operator License:		
Pennsylvania	167,770 (84.2%)	1,546 (86.0%)
Out of State	13,625 (6.8%)	127 (7.1%)
Not Applicable/Unknown	15,580 (7.8%)	91 (5.1%)
No License	2,407 (1.2%)	33 (1.8%)

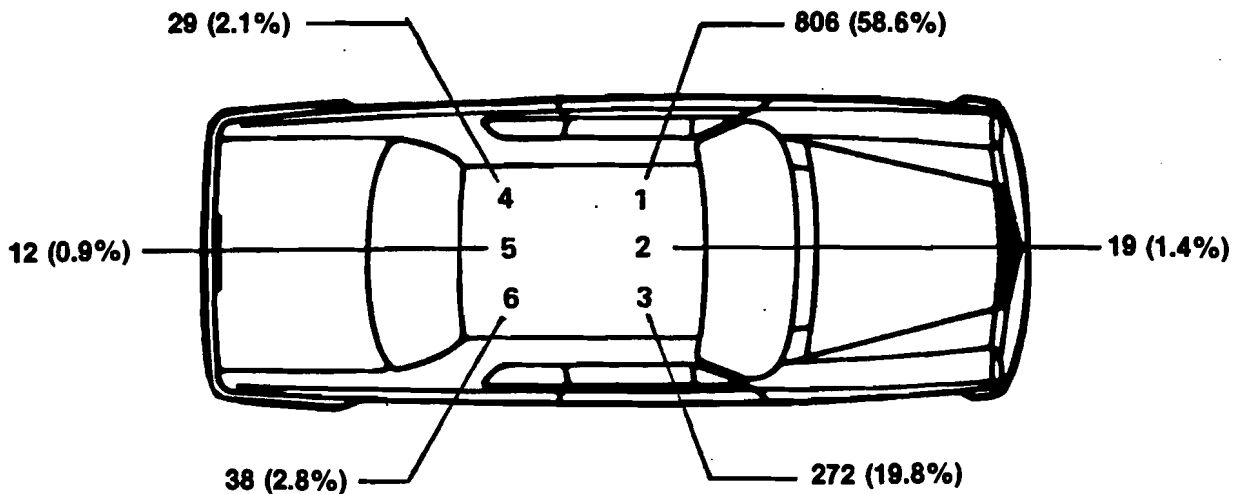
1986 PASSENGER CAR FATALITIES

PASSENGER CAR OCCUPANTS KILLED IN 1986: 1,206 (62.6% OF THE TOTAL HIGHWAY DEATHS IN 1986).

OPERATORS KILLED: 809 (67.1%)

PASSENGERS KILLED: 397 (32.9%)

PASSENGER CAR FATALITIES BY SEATING POSITION:



7 = 174 (3 OPERATORS, 1 PASSENGER)
(12.7%)

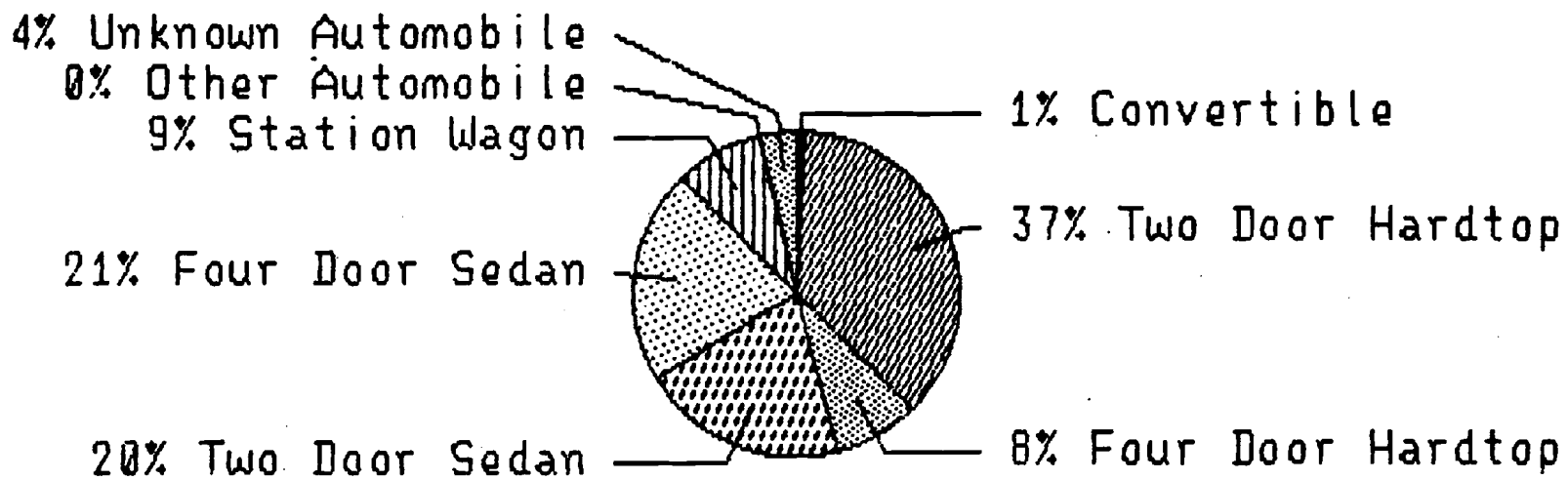
8 = 7 (0.5%)

9 = 19 (1.4%)

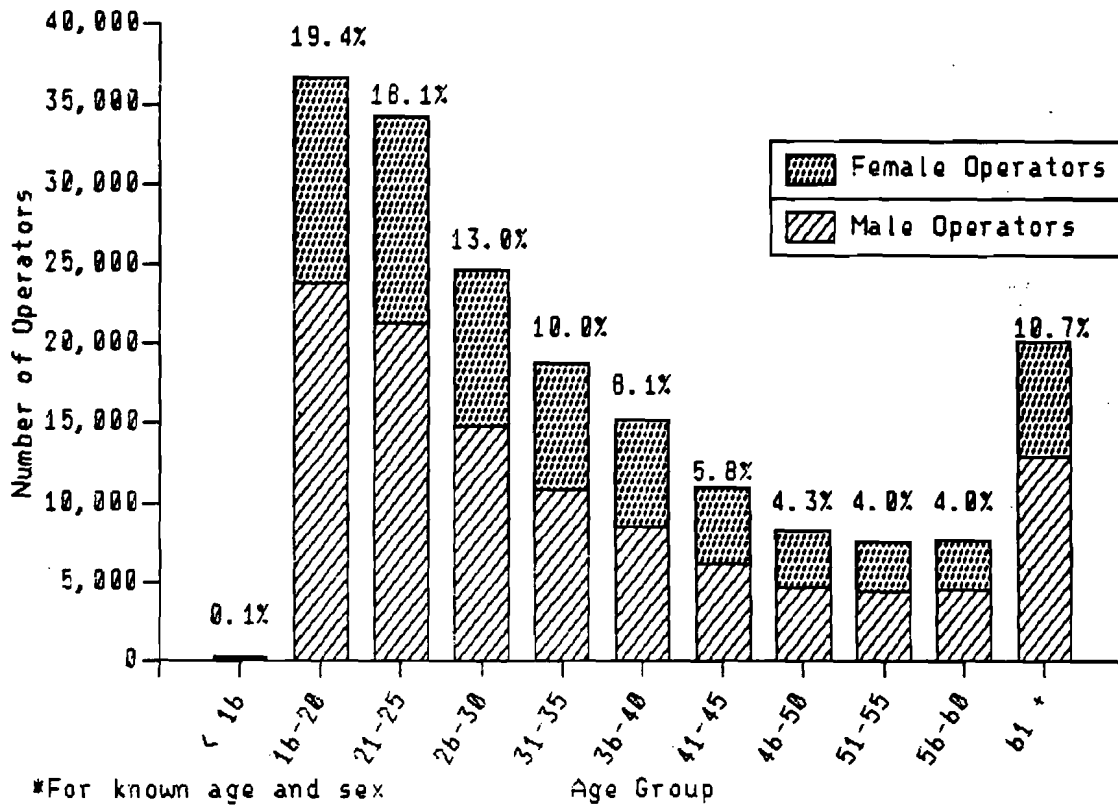
LEGEND:

- 1 = DRIVER
- 2 = CENTER FRONT
- 3 = RIGHT FRONT
- 4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGERS ON A BUS OR VAN, ETC.
- 5 = CENTER REAR
- 6 = RIGHT REAR PASSENGER OR MOTORCYCLE SIDECAR PASSENGER OR RIGHT SIDE PASSENGERS ON A BUS OR VAN, ETC.
- 7 = PEDESTRIAN
- 8 = ANY PERSON IN THE REAR MOST 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

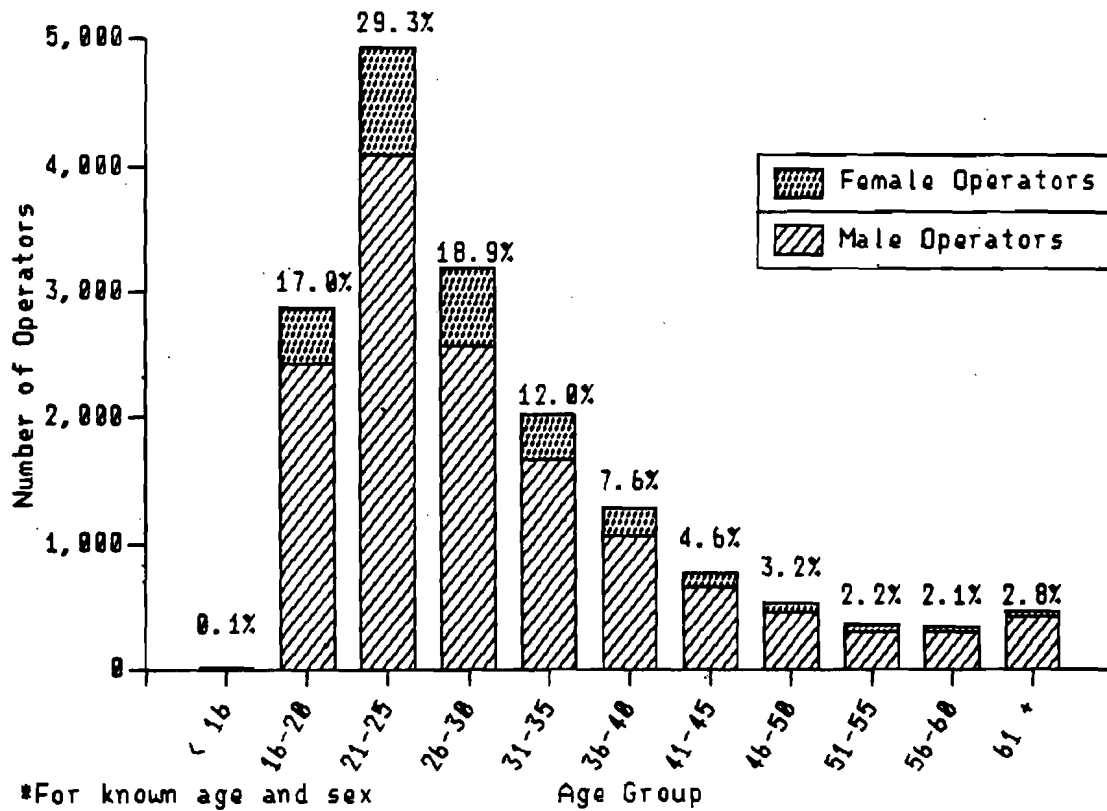
Type of Passenger Car Involved in 1986 Accidents



Passenger Car Operators Involved in 1986 Accidents
Distribution by Age and Sex*

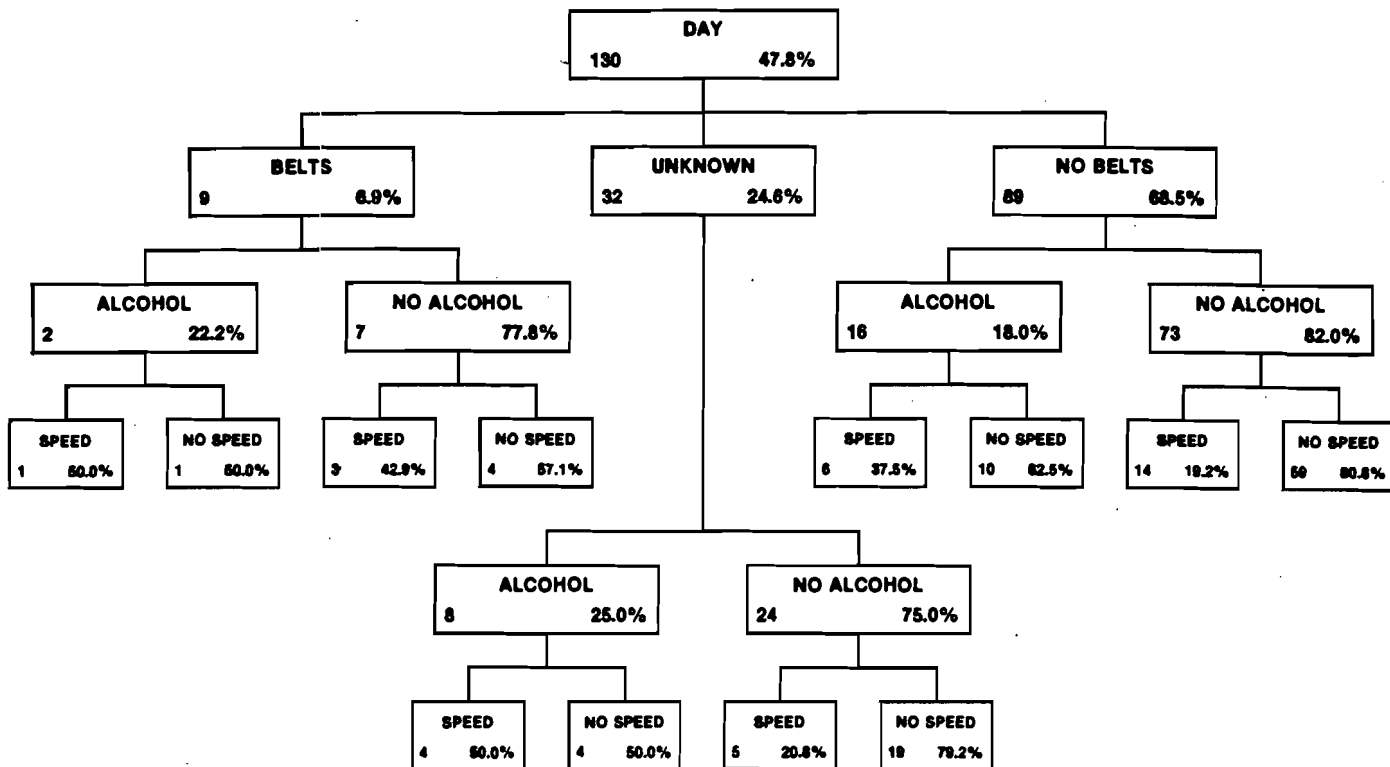


Passenger Car Operators Driving Under the Influence
Distribution by Age and Sex*
1986 Accidents



1986 SINGLE UNIT TRUCK (S.U.T.) FATALITIES

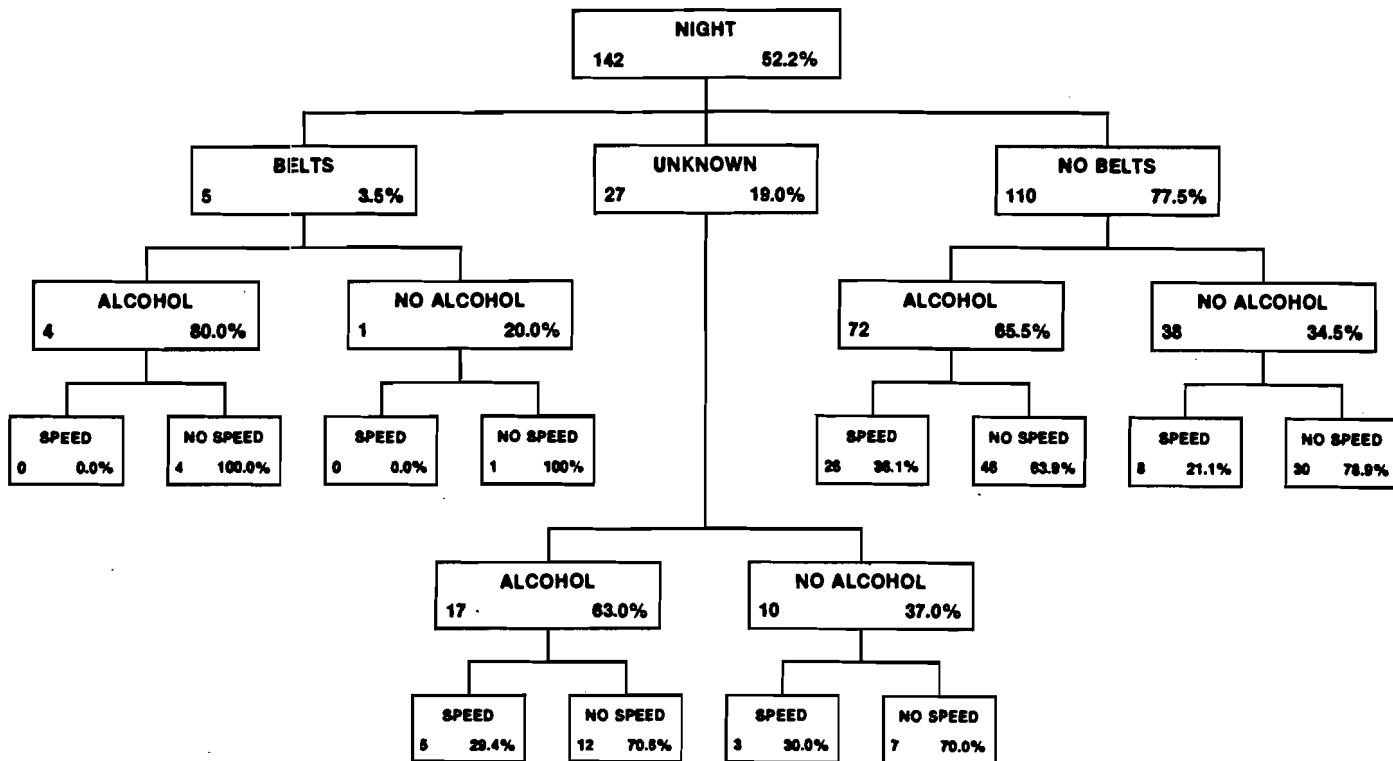
272 100%



1986

SINGLE UNIT TRUCK (S.U.T.) FATALITIES

272 100%



**SINGLE UNIT TRUCKS (S.U.T.) ACCIDENTS
1986**

	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	31,470 (80.9%)	410 (80.9%)
Out of State	3,096 (8.0%)	47 (9.3%)
Not Applicable/Unknown	4,357 (11.1%)	50 (9.8%)
Operator License:		
Pennsylvania	33,048 (84.9%)	440 (86.8%)
Out of State	2,803 (7.2%)	40 (7.9%)
No License	256 (0.7%)	7 (1.4%)
Not Applicable/Unknown	2,816 (7.2%)	20 (3.9%)

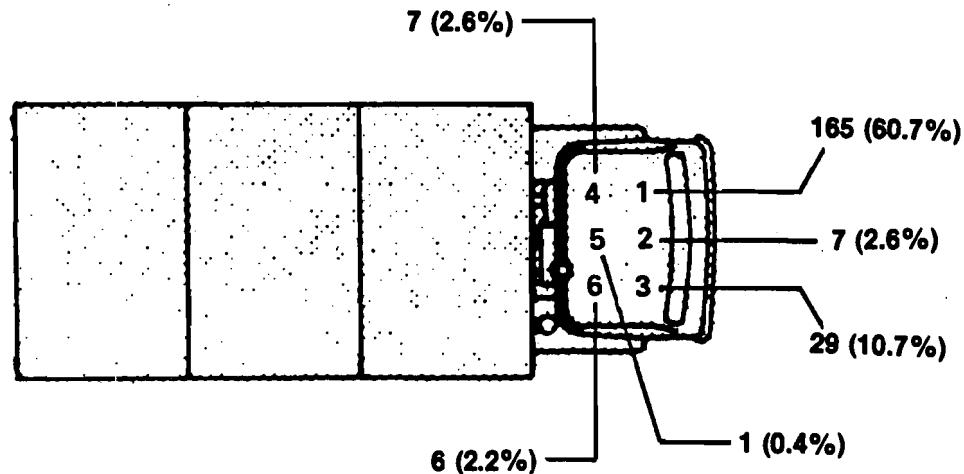
1986 SINGLE UNIT TRUCK (S.U.T.) FATALITIES

SINGLE UNIT TRUCK OCCUPANTS KILLED IN 1986: 229 (11.9% OF THE TOTAL HIGHWAY DEATHS IN 1986).

OPERATORS KILLED: 167 (72.9%)

PASSENGERS KILLED: 62 (27.1%)

SINGLE UNIT TRUCK FATALITIES BY SEATING POSITION:



7 = 45 (2 OPERATORS) (16.5%)

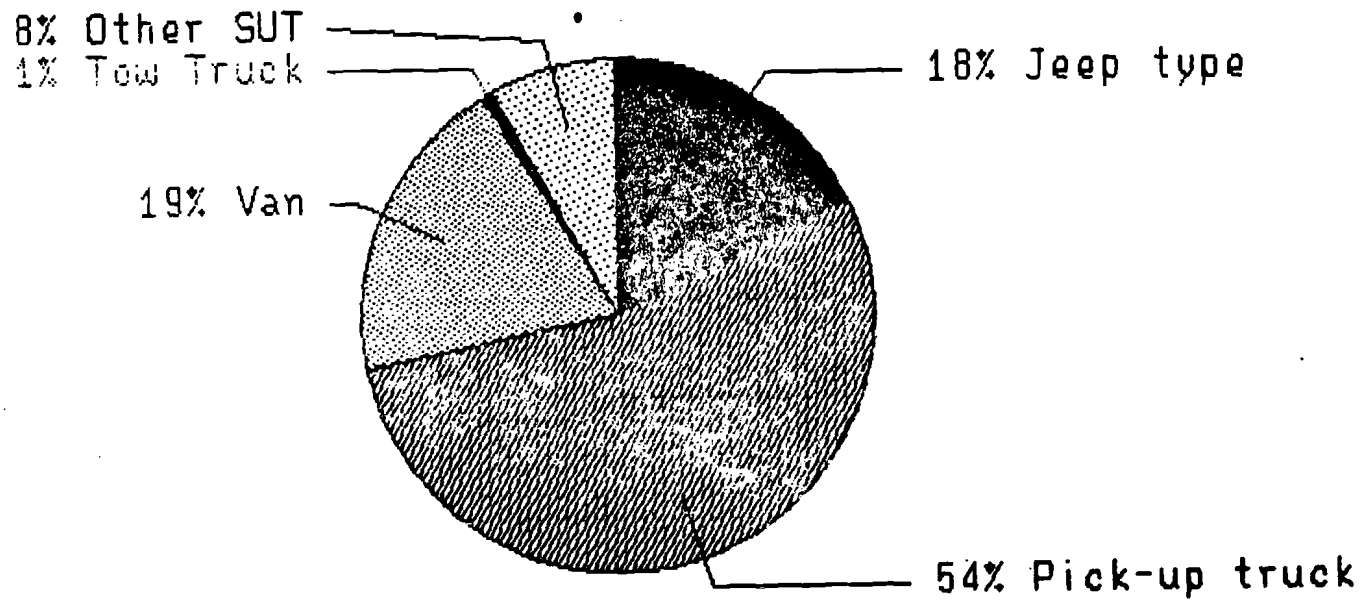
8 = 9 (3.3%)

9 = 3 (1.1%)

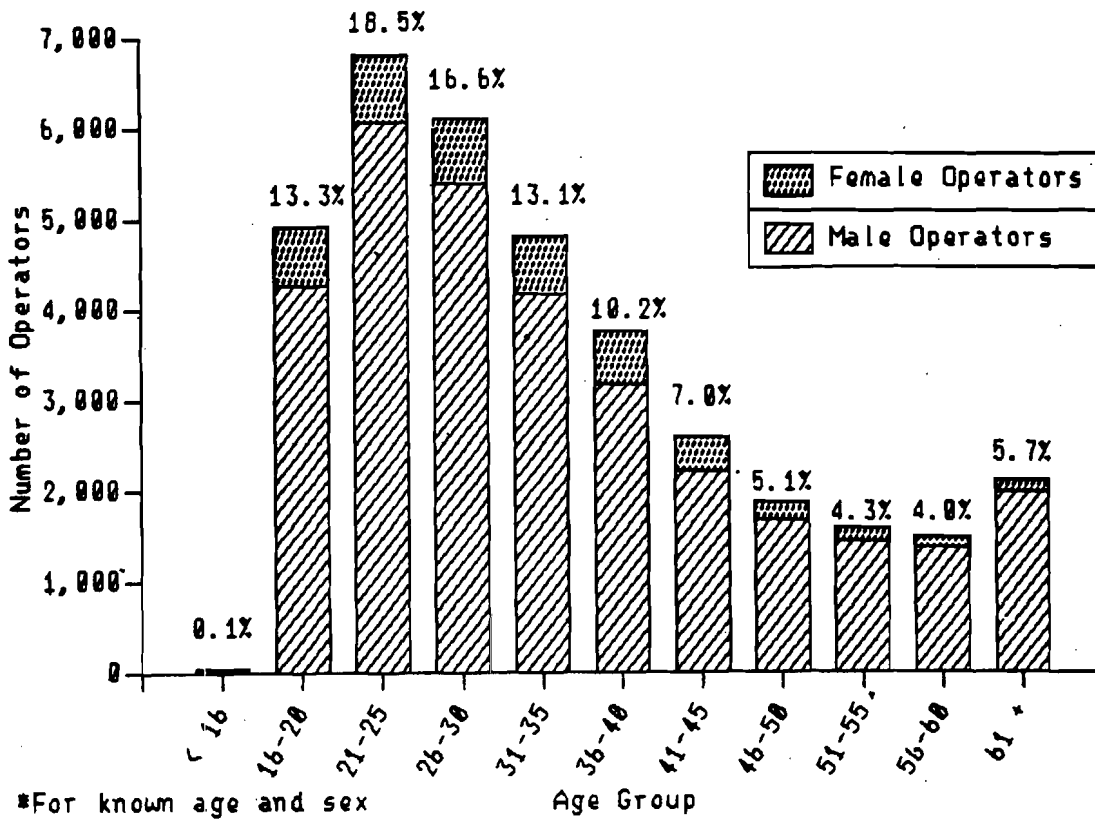
LEGEND:

- 1 = DRIVER
- 2 = CENTER FRONT
- 3 = RIGHT FRONT
- 4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGERS ON A BUS OR VAN, ETC.
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- 8 = ANY PERSON IN THE REAR MOST 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

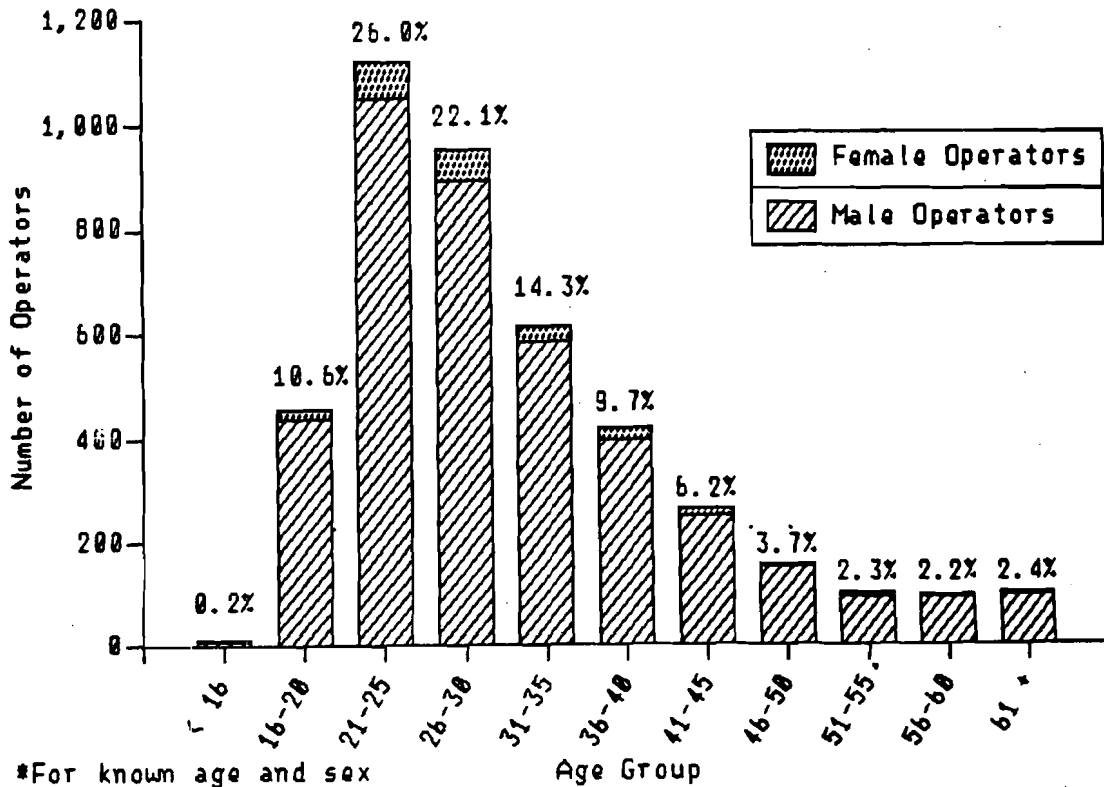
Type of Single Unit Truck Involved in 1986 Accidents



Single Unit Truck Operators Involved in 1986 Accidents
Distribution by Age and Sex*



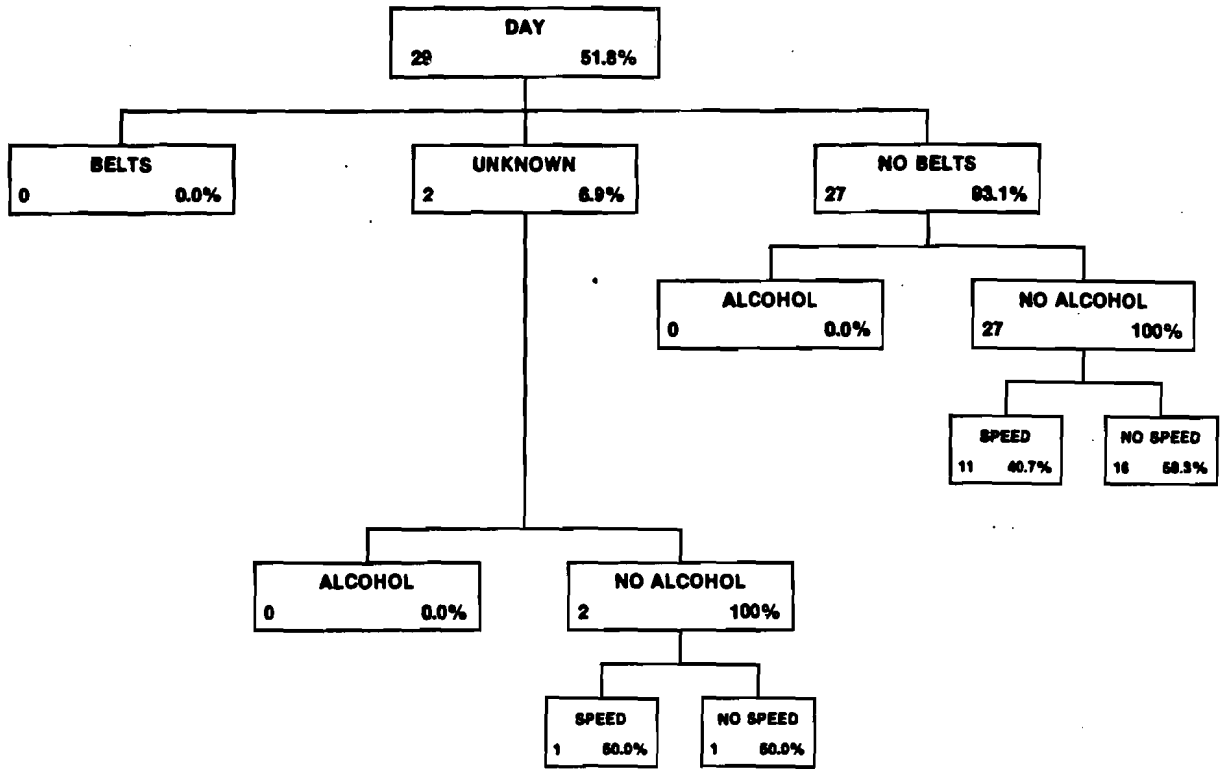
Single Unit Truck Operators Driving Under the Influence
Distribution by Age and Sex*
1986 Accidents



1986

TRUCK FATALITIES

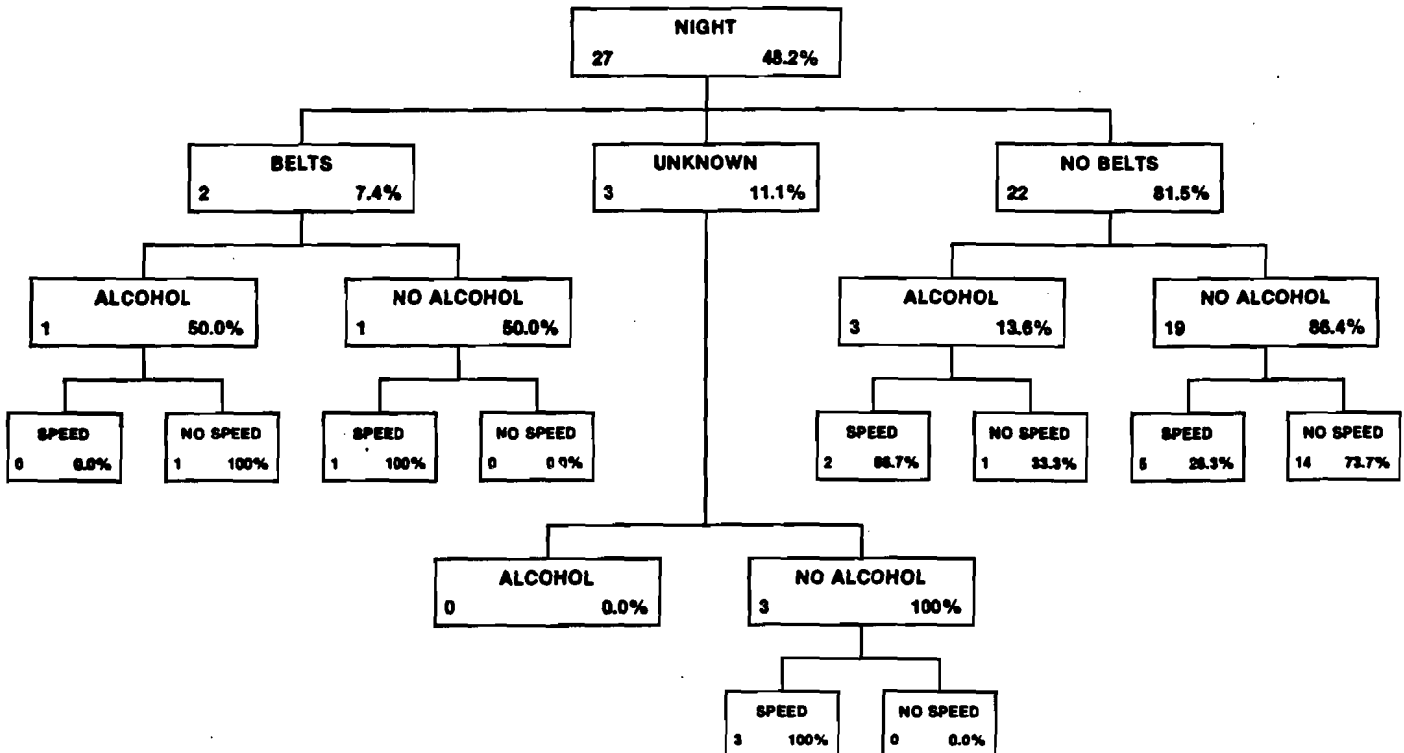
56 100%



1986

TRUCK FATALITIES

56 100%



TRUCKS IN ACCIDENTS

1986

	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	3,943 (47.6%)	93 (46.5%)
Out of State	3,753 (45.3%)	98 (49.0%)
Not Applicable	582 (7.0%)	9 (4.5%)
Operator License:		
Pennsylvania	4,702 (56.8%)	117 (58.5%)
Out of State	3,045 (36.8%)	77 (38.5%)
No License	15 (0.2%)	1 (0.5%)
Not Applicable	516 (6.2%)	5 (2.5%)

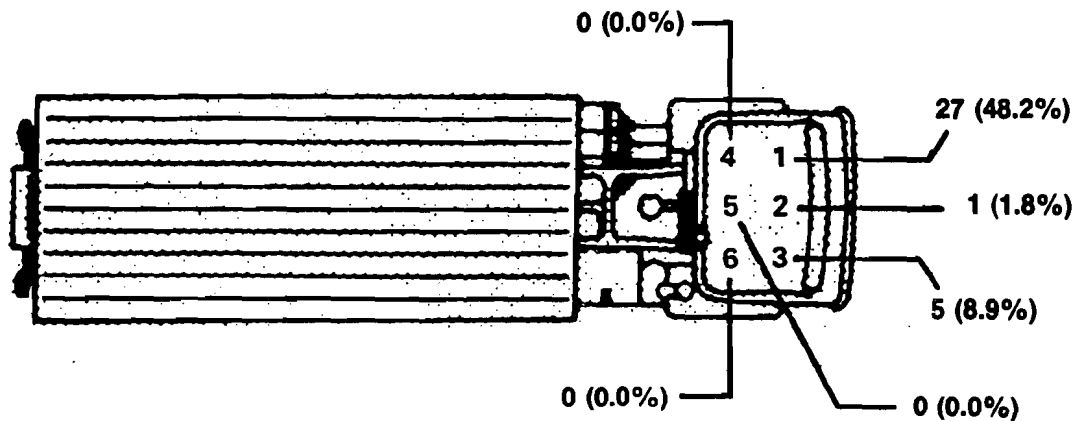
1986 TRUCK FATALITIES

TRUCK OCCUPANTS KILLED IN 1986: 35 (1.8% OF THE TOTAL HIGHWAY DEATHS IN 1986).

OPERATORS KILLED: 27 (77.1%)

PASSENGERS KILLED: 8 (22.9%)

TRUCK FATALITIES BY SEATING POSITION:



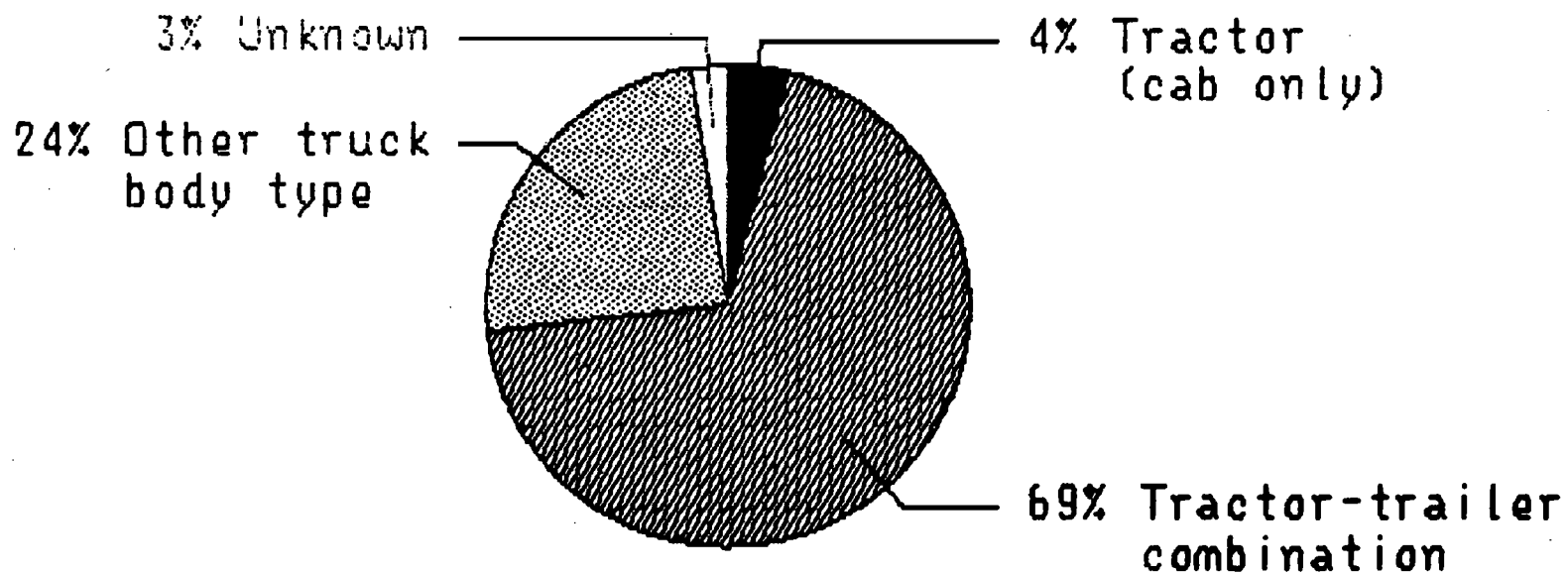
7 = 21 (37.5%)

8 = 2 (3.6%)

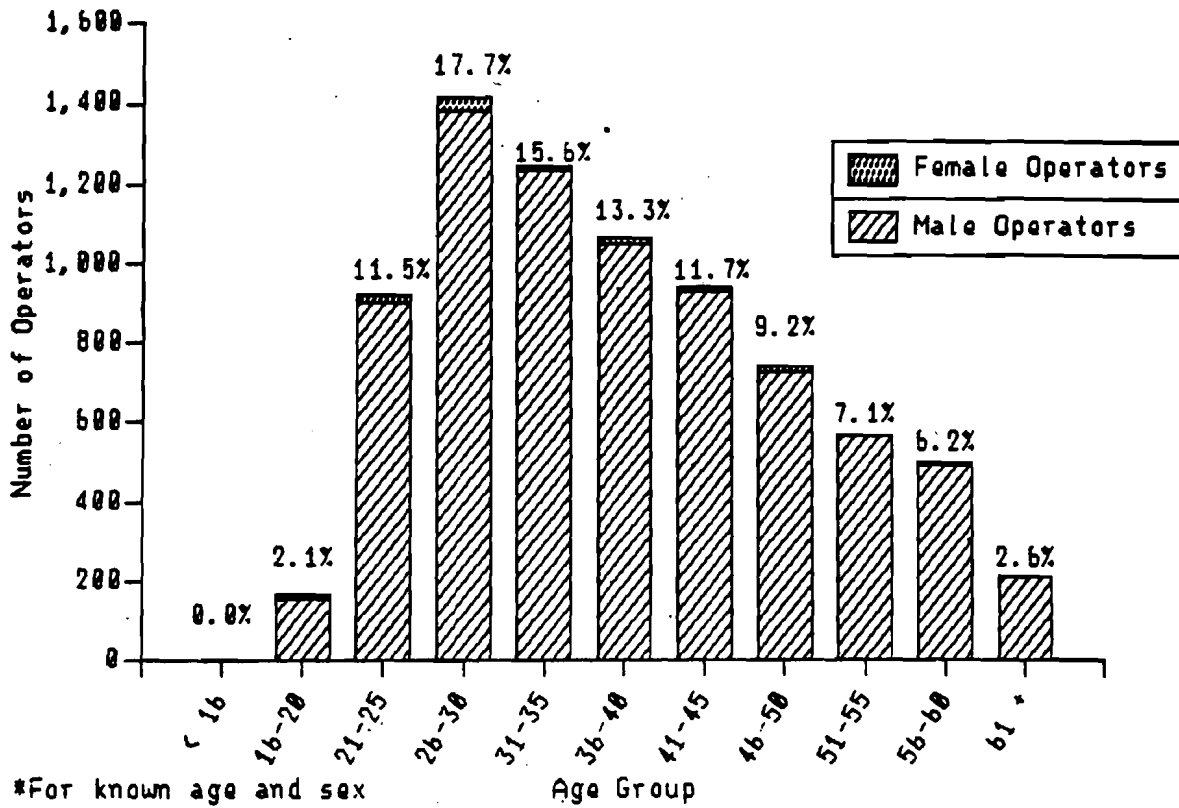
LEGEND:

- 1 = DRIVER
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- 4 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGERS ON A BUS OR VAN, ETC.
- 5 = CENTER REAR
- 6 = RIGHT REAR PASSENGER OR MOTORCYCLE SIDECAR PASSENGER OR RIGHT SIDE PASSENGERS ON A BUS OR VAN, ETC.
- 7 = PEDESTRIAN
- 8 = ANY PERSON IN THE REAR MOST 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.

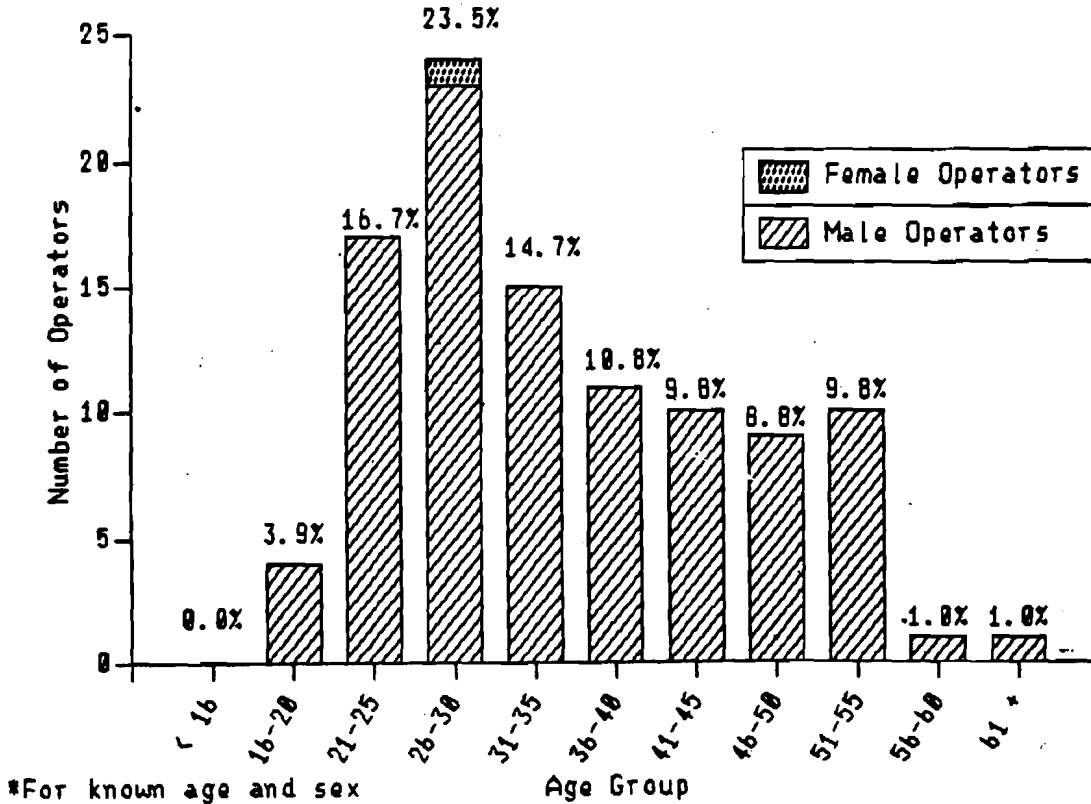
Type of Truck Involved in 1986 Accidents



Truck Operators Involved in 1986 Accidents
Distribution by Age and Sex*



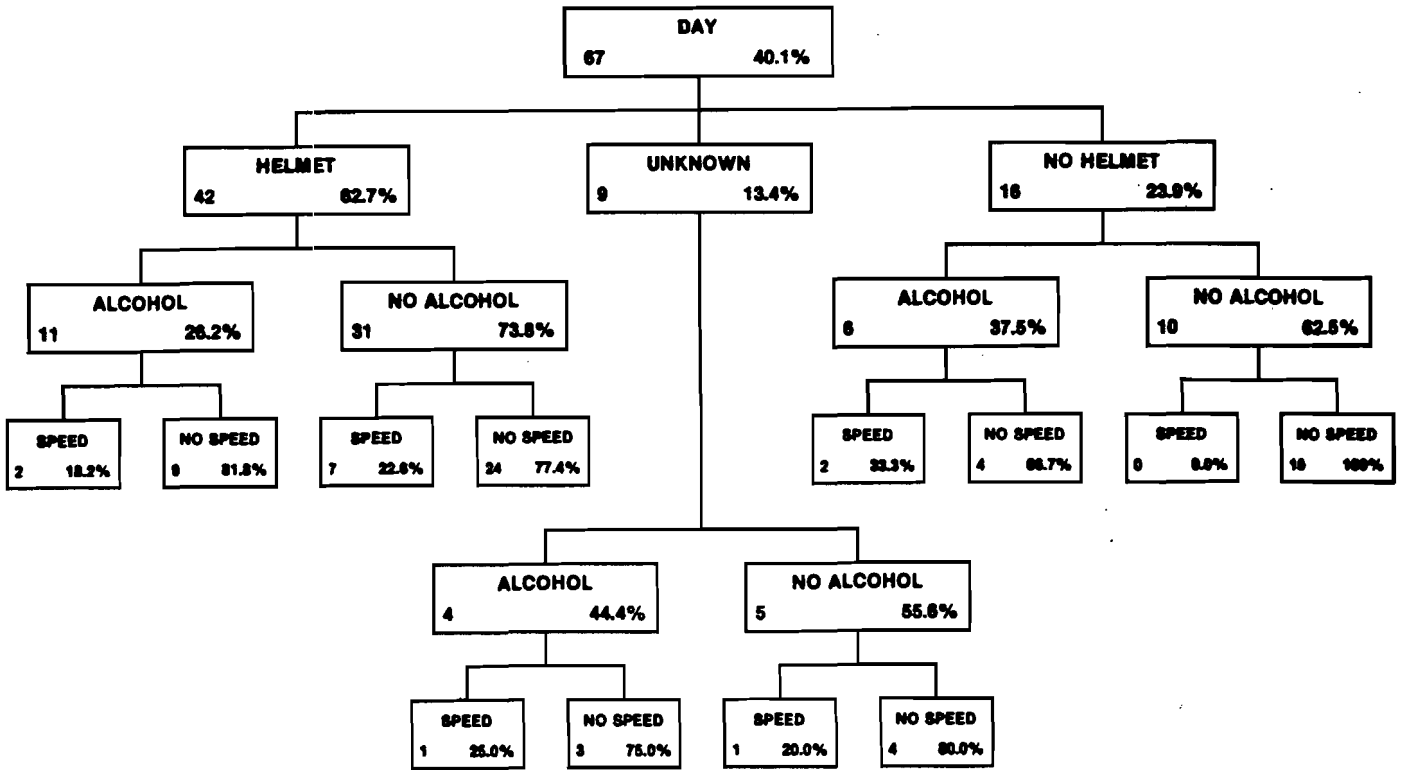
Truck Operators Driving Under the Influence
Distribution by Age and Sex*
1986 Accidents



1986

MOTORCYCLE FATALITIES

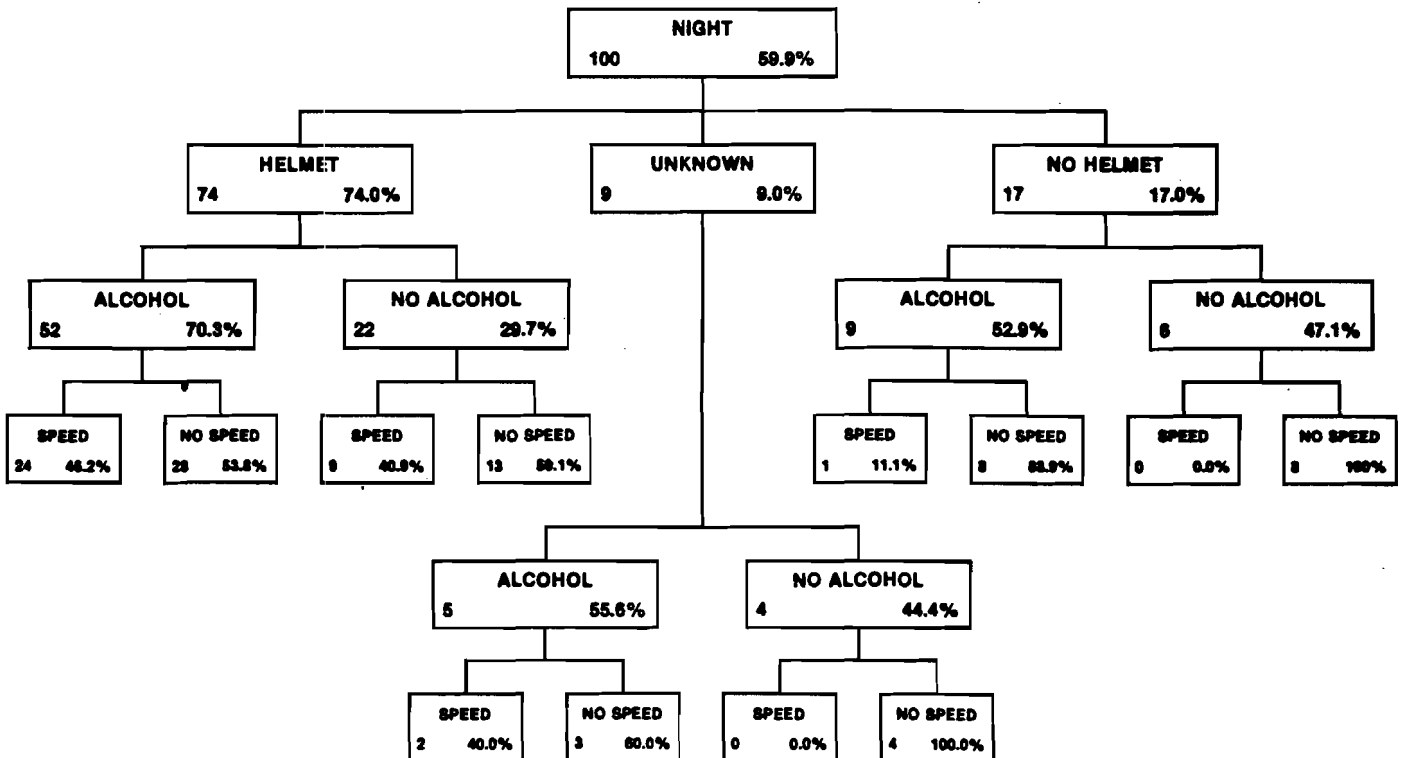
167 100%



1986

MOTORCYCLE FATALITIES

167 100%



MOTORCYCLE ACCIDENTS

1986

	ALL ACCIDENTS	FATAL ACCIDENTS
Vehicle Registration:		
Pennsylvania	3,910 (75.2%)	121 (73.3%)
Out of State	306 (5.9%)	11 (6.7%)
Not Applicable/Unknown	983 (18.9%)	33 (20.0%)
Operator License:		
Pennsylvania	4,420 (85.0%)	145 (87.9%)
Out of State	304 (5.9%)	11 (6.7%)
No License	329 (6.3%)	7 (4.2%)
Not Applicable	146 (2.8%)	2 (1.2%)

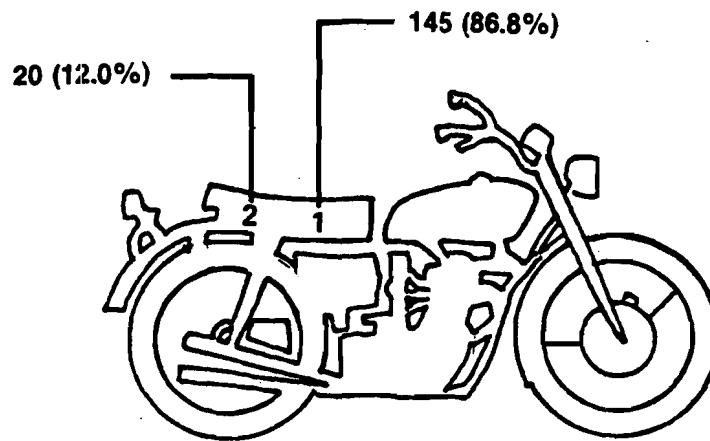
1986 MOTORCYCLE FATALITIES

MOTORCYCLE RIDERS KILLED IN 1986: 165 (8.6% OF THE TOTAL HIGHWAY DEATHS IN 1986).

OPERATORS KILLED: 145 (87.9%)

PASSENGERS KILLED: 20 (12.1%)

MOTORCYCLE FATALITIES BY SEATING POSITION:



7 = 2 (1.2%)

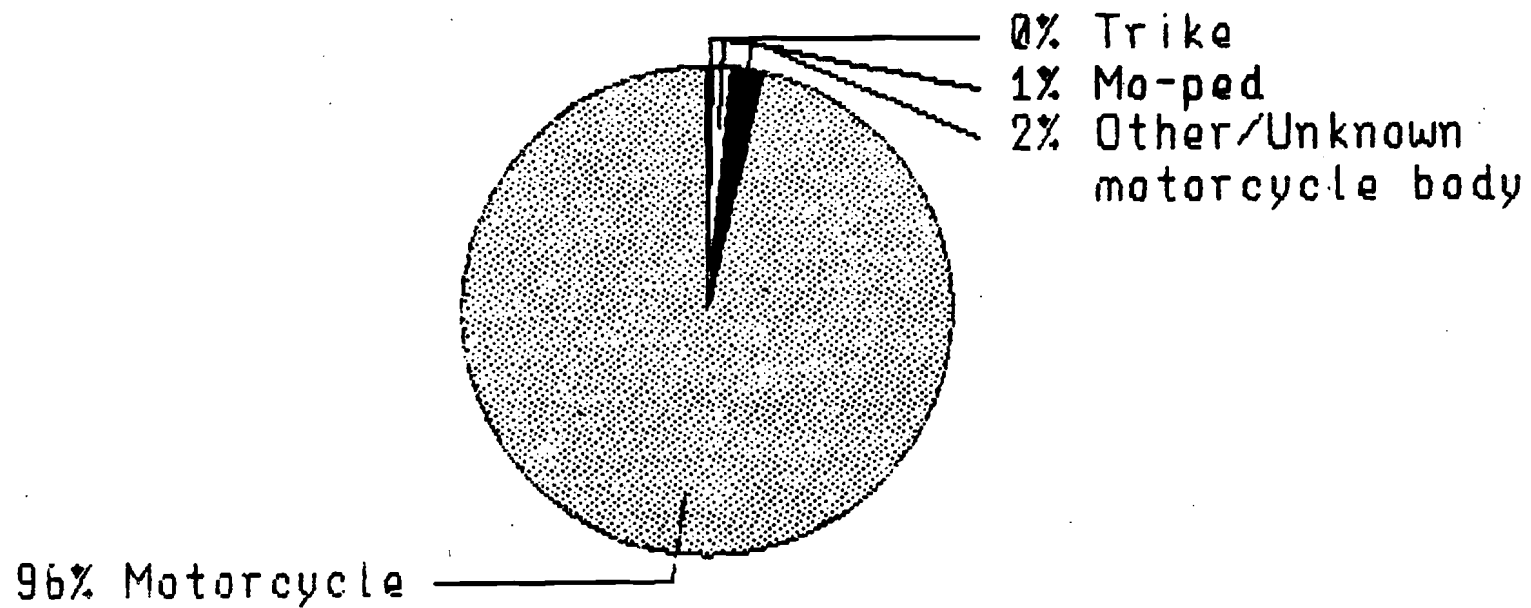
LEGEND:

1 = DRIVER

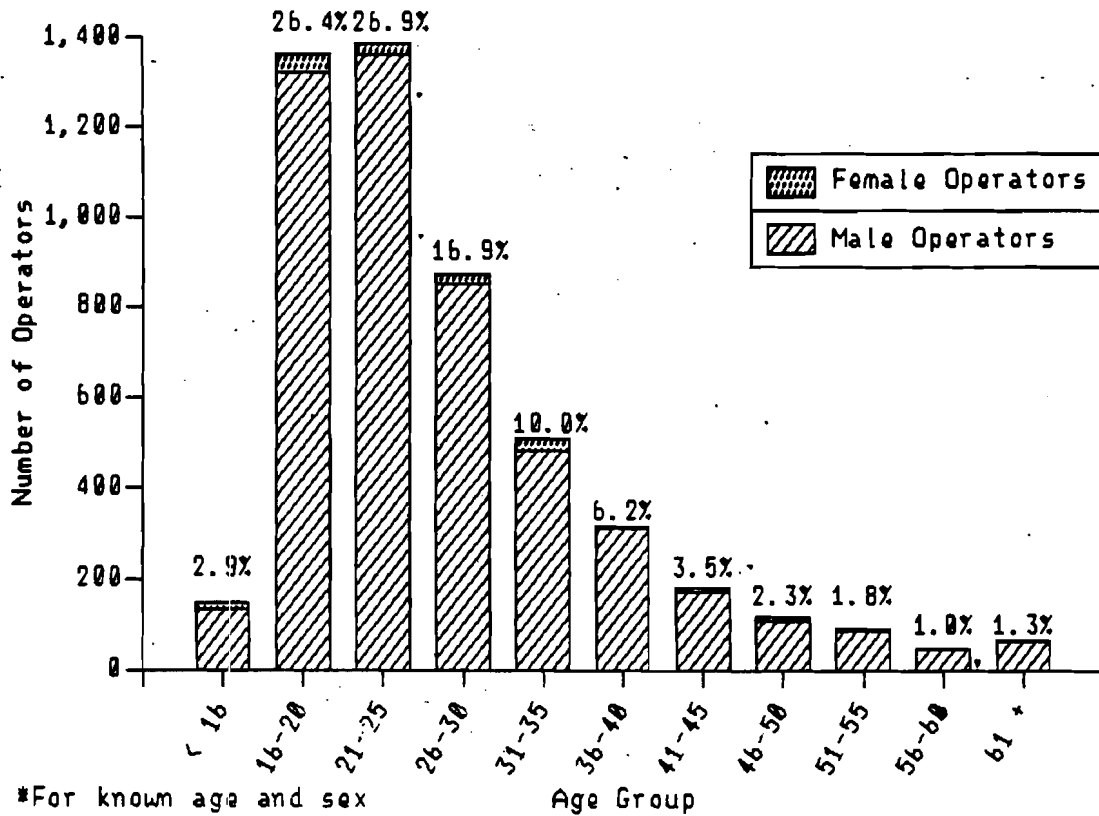
2 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGERS ON A BUS OR VAN, ETC.

7 = PEDESTRIAN

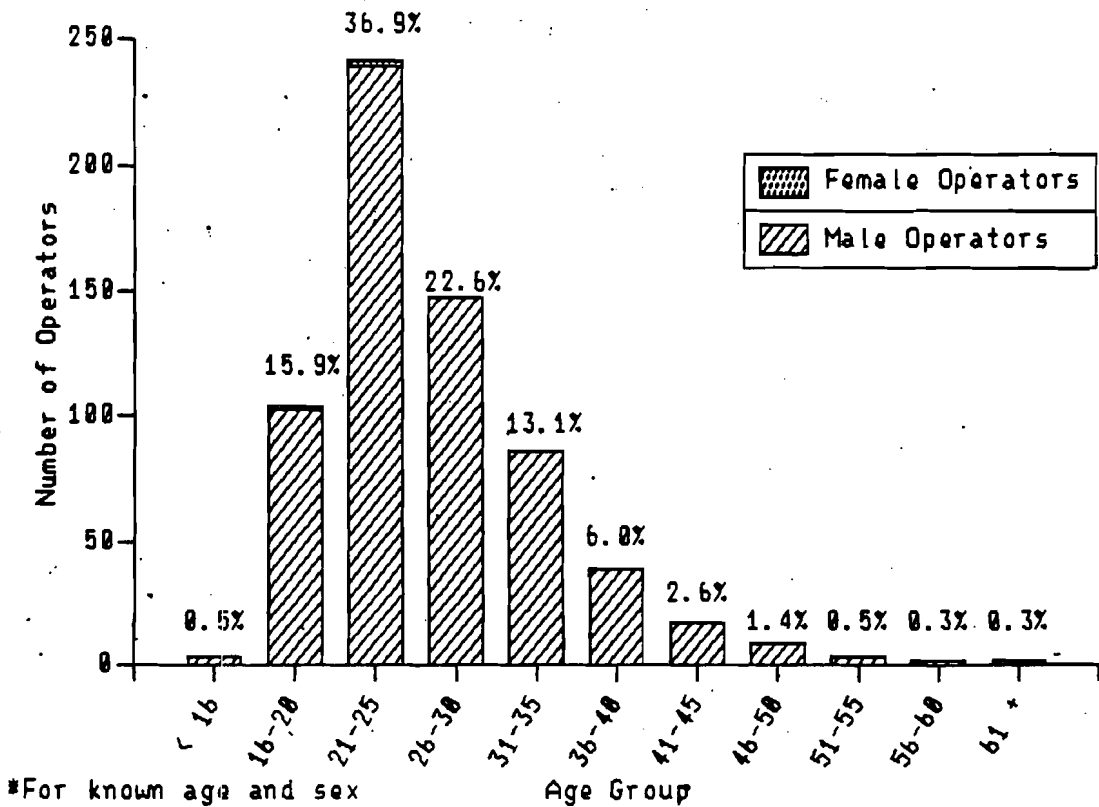
Type of Motorcycle Involved in 1986 Accidents



**Motorcycle Body Type Operators Involved in 1986 Accidents
Distribution by Age and Sex***



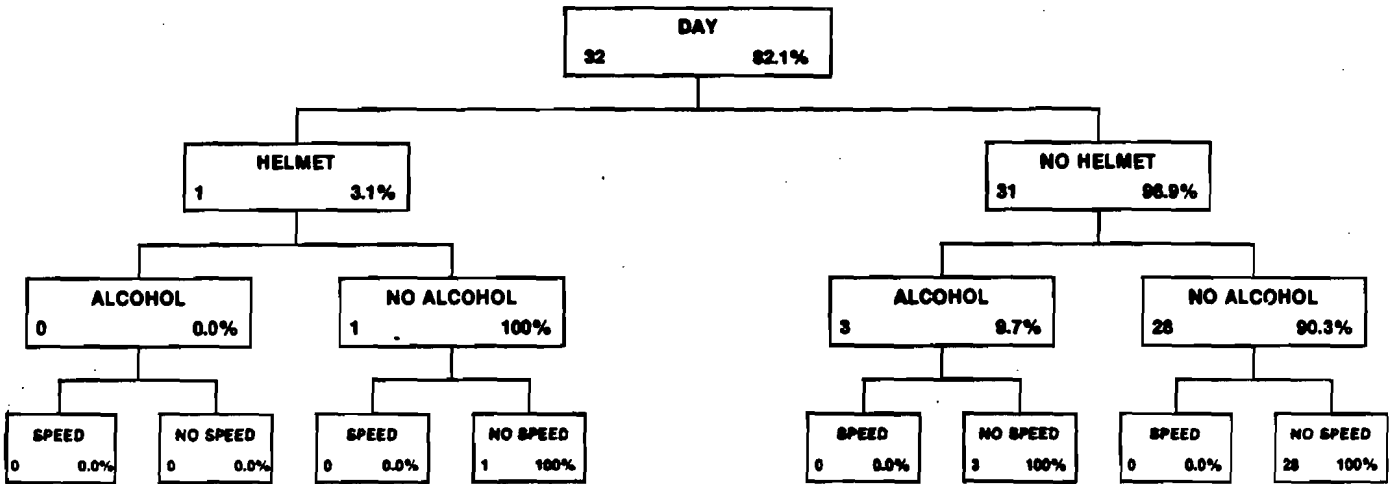
**Motorcycle Body Type Operators Driving Under the Influence
Distribution by Age and Sex*
1986 Accidents**



1986

PEDACYCLIST FATALITIES

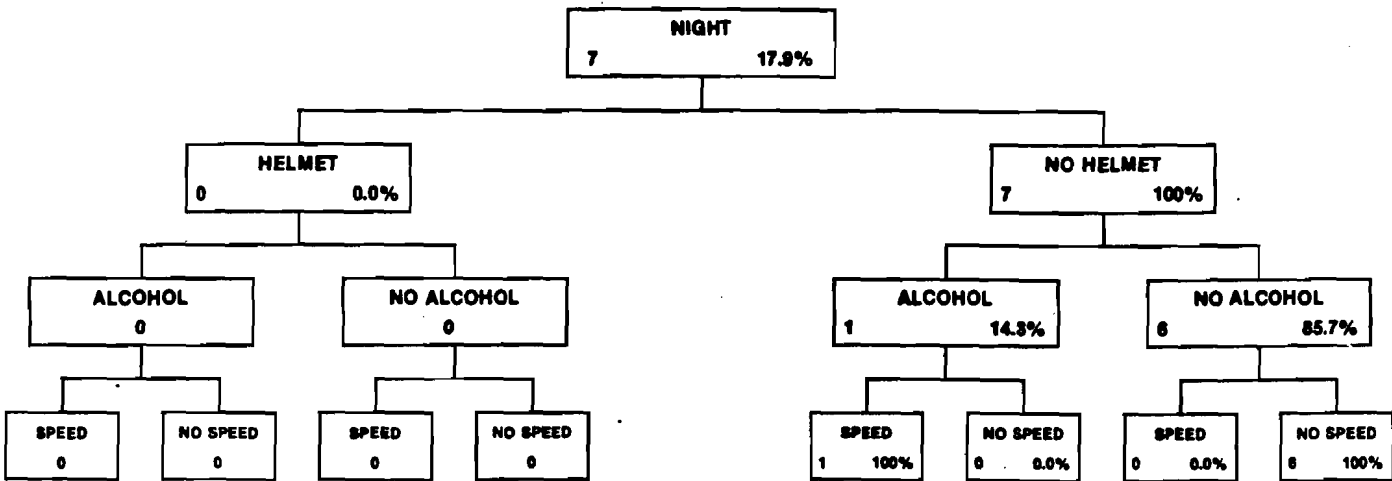
39 100%



1986

PEDACYCLIST FATALITIES

39 100%



PEDACYCLE ACCIDENTS

1986

NUMBER OF PEDACYCLISTS INVOLVED IN AN ACCIDENT IN 1986: 3,512

NUMBER OF PEDACYCLISTS INVOLVED IN FATAL ACCIDENTS IN 1986: 40

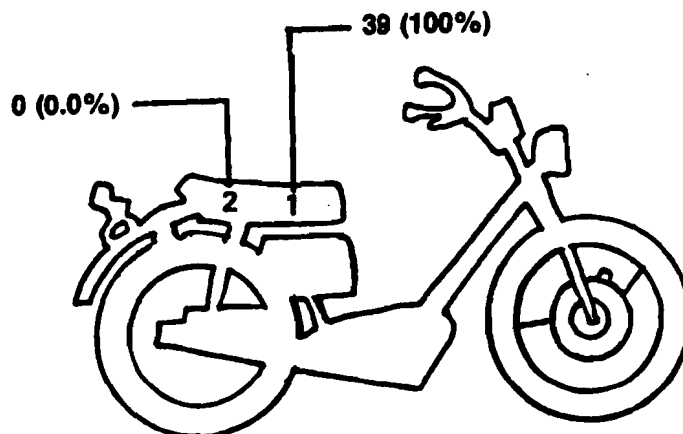
1986 PEDACYCLIST FATALITIES

**PEDACYCLISTS KILLED IN 1986: 39 (2.0% OF THE TOTAL
HIGHWAY DEATHS IN 1986).**

OPERATORS KILLED: 39 (100%)

PASSENGERS KILLED: 0 (0.0%)

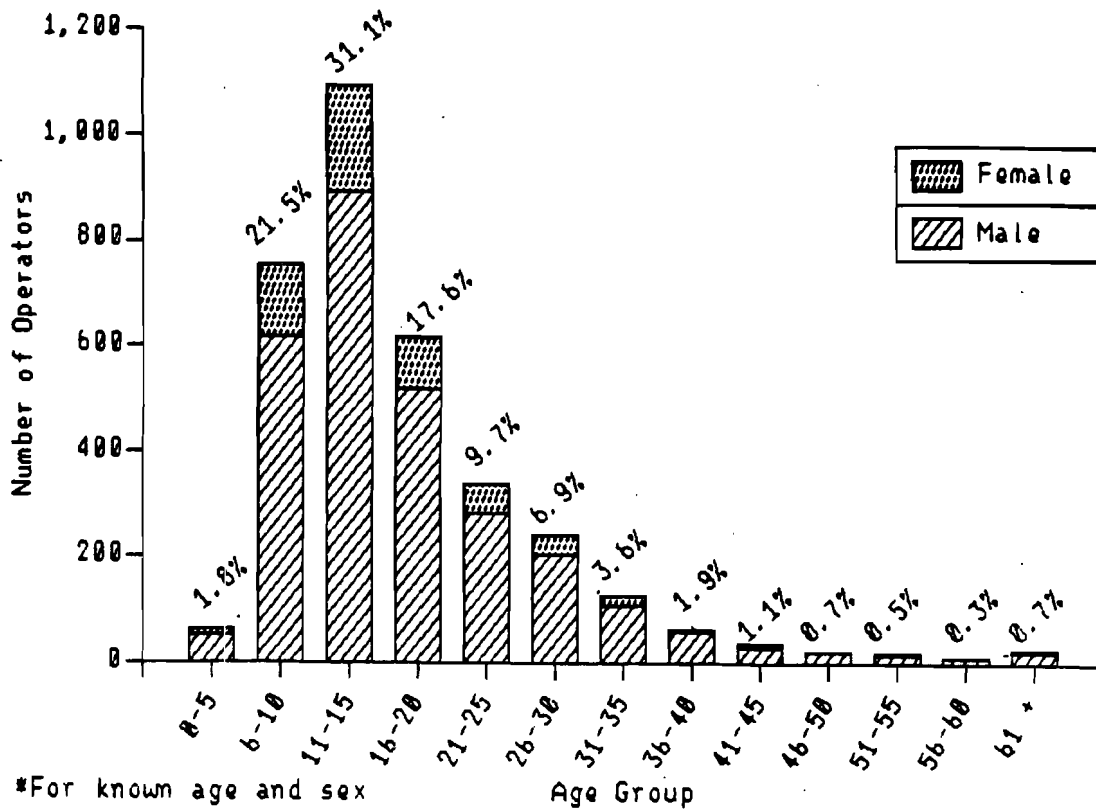
PEDACYCLIST FATALITIES BY SEATING POSITION:



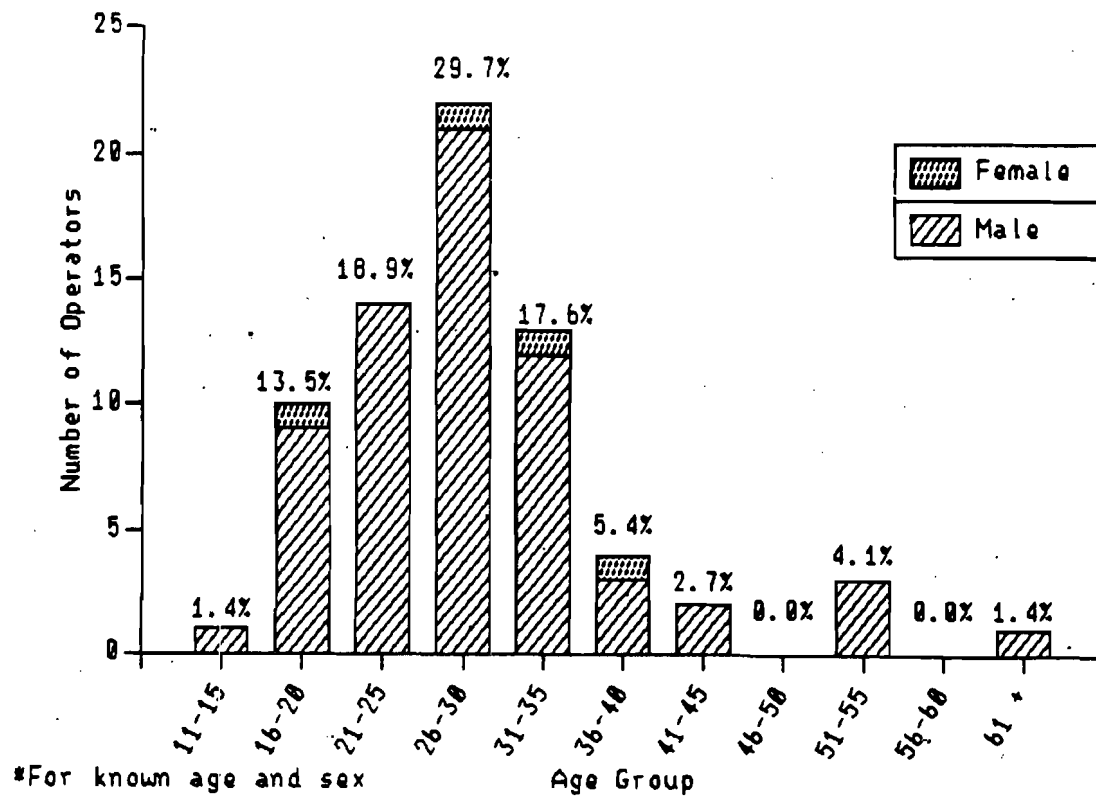
LEGEND:

- 1 = DRIVER
- 2 = LEFT REAR PASSENGER OR MOTORCYCLE/PEDACYCLE REAR PASSENGER OR LEFT SIDE PASSENGERS ON A BUS OR VAN, ETC.

Pedacyclists Involved in 1986 Accidents
Distribution by Age and Sex*



Pedacycle Operators Driving Under the Influence
Distribution by Age and Sex*
1986 Accidents



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, travelling in the same direction on the same road, collide.
- **Head-On Collision** — A collision where vehicles, travelling 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.

ACCIDENT SEVERITY:

- **Fatal Accident** — An accident in which one or more of the involved persons died within 90 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.
- **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:

- **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 coded as minor injuries.

PERSON TYPE:

— **Operator** — 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 90 days of the accident or injury to any persons involved.

— Accidents resulting in damage to any vehicle involved serious enough to demand towing.

VEHICLE TYPES:

— **Passenger Car** — Vehicle designed to transport 8 persons or less. Includes: Convertible, hardtop, sedan, station wagon, limousine, etc.

— **Single Unit Truck (S.U.T.)** — Vehicle consisting primarily of a single motorized transport device designed for carrying a load of property on or in the device. Includes: Jeep, pick-up truck, van (excluding moving horse), tow truck.

— **Truck** — In the context of this publication, includes tractor (cab only), and tractor-trailer combination.

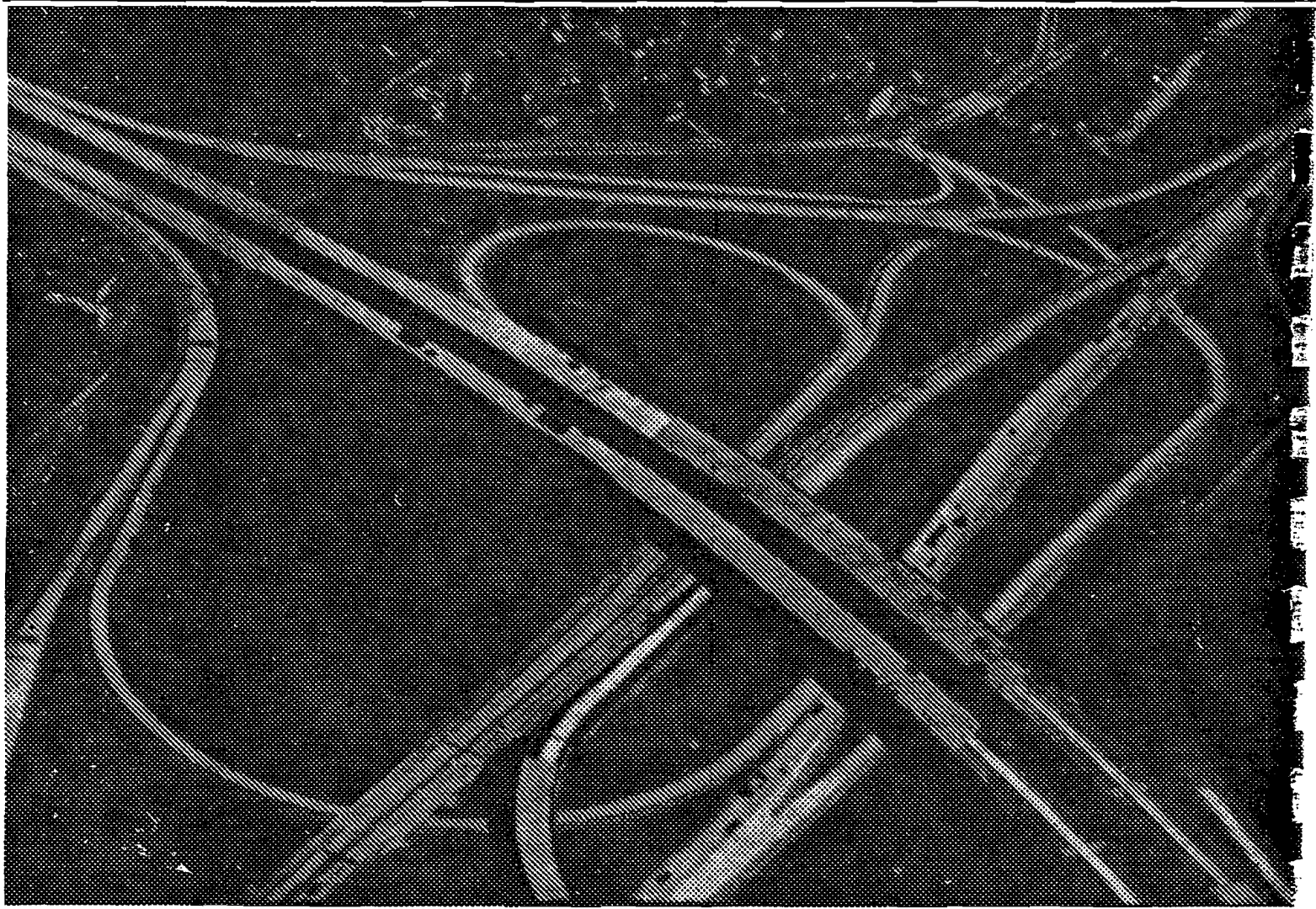
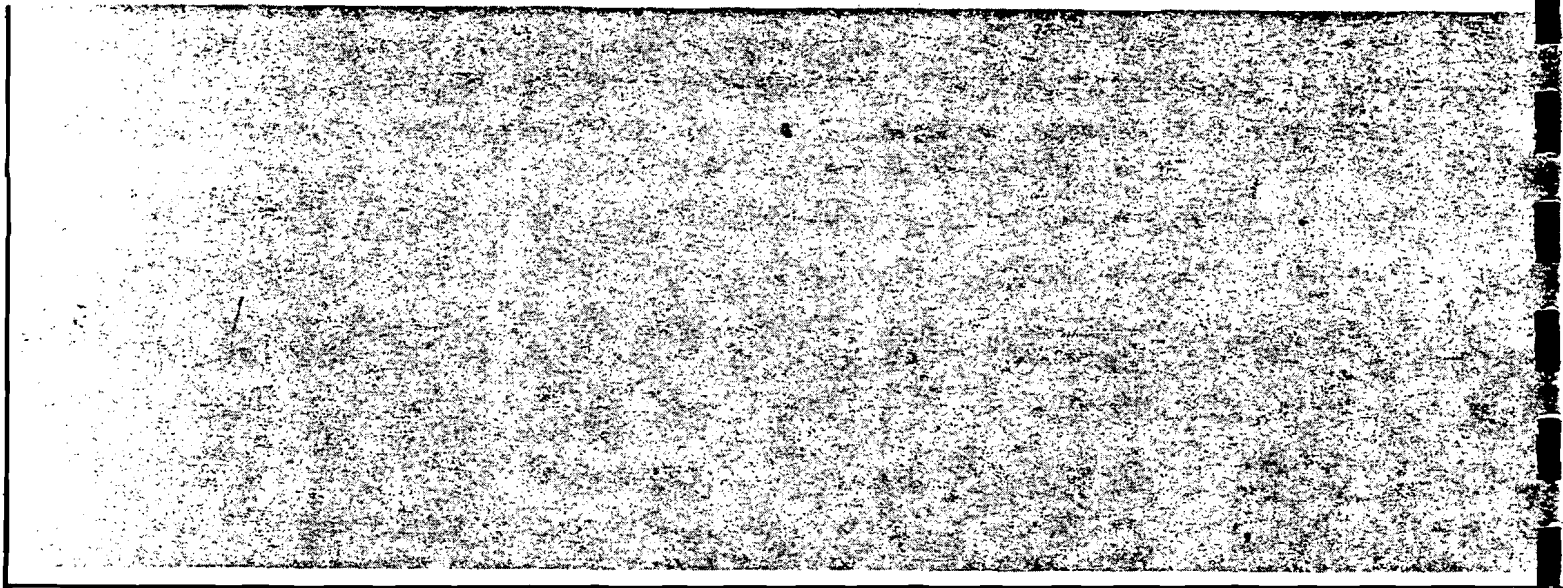
— **Bus** — Vehicle designed to transport more than 8 persons. Includes: School bus, cross-country, urban transit, trackless trolley.

— **Motorcycle Body Type** — Includes motorcycle, mo-ped, mini-bike, motor scooter, trike (motorized tricycle), go-cart, vendor cycle.

— **Pedacycle** — Any non-motorized vehicle propelled by pedalling. 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.



Commonwealth of Pennsylvania
Robert P. Casey, Governor
Howard Yerusafim, Secretary