

# 1977 ACCIDENTS OF MOTOR CARRIERS OF PASSENGERS

U.S. DEPARTMENT OF TRANSPORTATION  
Federal Highway Administration  
Bureau of Motor Carrier Safety



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**FOREWORD**

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In response to Federal Regulation, the accident reports referred to in this publication were furnished directly to the Federal Highway Administration's Bureau of Motor Carrier Safety (BMCS) by motor carriers of passengers which operate in interstate or foreign commerce. Motor carriers are required to submit prescribed reports of accidents which result in death or personal injury to any person, or property damage of \$2,000 or more.

In its mission to reduce the risks of accidents and improve safety, the BMCS analyzes the data extracted from these accident reports to determine accident cause factors, identify trends, and measure safety performance. These data are used to assist the Bureau in determining ways to reduce accidents, formulate program requirements, and initiate appropriate modifications to safety regulations in the continuous effort to better protect the public and carrier employees.

This publication contains various tables of statistical data relating to fatalities, injuries, property damage, regional variations, and type of accident. These data have been compiled from 830 accident reports filed by motor carriers of passengers during calendar year 1977.

The accident reports have proven to be a vital source of information upon which the BMCS relies in administering its regulatory program. Industry officials directly involved in the day-to-day operation of the passenger carrier industry are urged to use the statistical data contained herein as guides for their drivers and vehicle safety programs in a continuing effort to save lives and property.



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Robert A. Kaye, Director  
Bureau of Motor Carrier Safety  
Federal Highway Administration

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# **INTRODUCTION**



The data in this publication are gathered from accident reports filed by motor carriers of passengers which operate in interstate or foreign commerce. Reports are filed for accidents resulting in death, injuries which involve medical treatment away from the scene of the accident, or property damage of \$2,000 or more. In calendar year 1977, reports of 830 accidents were filed.

Approximately 20,100 buses are operated in intercity bus service (interstate and intrastate) in the United States. A Class I motor carrier of passengers as defined by the Interstate Commerce Commission is a carrier having an average annual gross operating revenue of \$3,000,000 or more (prior to 1977 average gross operating revenue was \$1,000,000 or more). In 1977 there were 47 such companies and they accounted for 65 percent of the total vehicle-miles of intercity motor carriers of passengers.

Reliable data on vehicle-miles are available for Class I carriers. Such vehicle-mileage data are derived from carrier reports to the Interstate Commerce Commission (Revenues, Expenses and Statistics, Class I motor carriers of passengers, Form MP-1). This group of carriers reported 485 accidents in 1977 resulting in the following accident rates.

5.73 Deaths per 100 million vehicle-miles  
.63 Accidents per million vehicle-miles  
1.29 Injuries per million vehicle-miles  
\$2,797 Property damage per million vehicle-miles

Information on the number of accidents, fatalities, injuries and property damage are shown in this report by type of operation. The types of operation are:

- (1) "Regular" operations which include the transportation of passengers, express packages, mail and newspapers on regular routes and on specified time schedules. Travelers on regular scheduled routes account for the major part of intercity bus service.
- (2) "Charter" operations which include special party transportation by bus, with routes and time schedules arranged to the convenience of the individual traveling groups. Most charter and special service travel on buses of the intercity

carriers is over comparatively long distances as contrasted with sightseeing and charter services provided by local transit companies.

In 1977, the 830 accidents reported by passenger carriers resulted in 87 deaths, 1,929 injuries and \$3.6 million in property damage. Six bus accidents resulted in nine passenger fatalities. Five of these accidents occurred during adverse weather conditions. Shown below is a recap of each.

Dark and raining, bus traveling on I-24, swerved to avoid slowing traffic due to construction. Bus left roadway, struck embankment. Three killed, 27 injured including the driver.

Dark and raining, bus traveling on I-94 swerved to avoid slowing auto, ran-off-roadway. Two killed, three injured including driver.

Dark, rain and hail storm, bus traveling on I-55, lost control, overturned. One killed, eight injured including driver.

Day light, snowing, bus traveling on I-390, lost control, slid onto shoulder and rolled over. Three killed, 29 injured.

Dark, clear, dry, limousine ran into rear end of tractor-trailer, four-lane divided highway. One passenger and driver killed, nine passengers injured.

Early evening, rain, two-lane undivided highway, bus skidded out of control and rolled over. One killed, five injured including driver.

The 830 bus accidents reported in 1977 included 51 pedestrian accidents. Fourteen pedestrians were killed and 37 were injured. Of the 14 pedestrians killed, eight ran, walked or fell into path of or into bus; four were standing in roadway or bus lane and two were killed while bus was making turn. Of the 37 pedestrians injured, 19 ran, walked or fell into path of or into bus; six were standing or walking in roadway; two were injured while bus was making turn; one was hitchhiking; one child grabbed window of bus and fell off; one man was pushed by another man in front of bus; and seven non-traffic accidents at terminal parking lot or rest area. Two pedestrians were killed and two were injured on interstate highways.

**SUMMARY**

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SOME BASIC FACTS ON THE INTERCITY BUS INDUSTRY+

	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>
<u>Number of Active Companies</u>								
Class I	71	71	74	75	81	84	**81	***47
Others@	<u>929</u>	<u>929</u>	<u>926</u>	<u>925</u>	<u>869</u>	<u>866</u>	<u>919</u>	<u>1,003</u>
Total	1,000	1,000	1,000	1,000	950	950	1,000	1,050
<u>Number of Buses</u>								
Class I	10,200	9,900	9,700	9,300	9,900	10,030	10,000	8,270
Others@	<u>11,800</u>	<u>12,000</u>	<u>11,700</u>	<u>11,500</u>	<u>11,100</u>	<u>9,470</u>	<u>10,100</u>	<u>11,830</u>
Total	22,000	21,900	21,400	20,800	21,000	20,500	20,100	20,100
<u>Number of Employees</u>								
Class I*	34,400	34,700	34,100	33,800	35,600	35,100	33,700	29,660
Others@	<u>15,500</u>	<u>15,500</u>	<u>15,000</u>	<u>14,600</u>	<u>13,800</u>	<u>11,600</u>	<u>12,300</u>	<u>14,240</u>
Total	49,500	50,200	49,100	48,400	49,400	46,700	46,000	43,900
<u>Highway Miles Served (000's)</u>								
Class I	194	193	198	198	205	211	213	192
Others@	<u>73</u>	<u>74</u>	<u>72</u>	<u>72</u>	<u>66</u>	<u>63</u>	<u>63</u>	<u>85</u>
Total	267	267	270	270	271	274	276	277
<u>Vehicle Miles (millions)</u>								
Class I	871	856	846	850	886	849	838	768
Others@	<u>338</u>	<u>346</u>	<u>336</u>	<u>328</u>	<u>309</u>	<u>277</u>	<u>280</u>	<u>334</u>
Total	1,209	1,202	1,182	1,178	1,195	1,126	1,118	1,102

+ From National Association of Motor Bus Owners, "Bus Facts" statistical supplement.

# Preliminary

@ Class II & III Carriers reporting to ICC plus intrastate carriers.

\* Slightly less than 1/2 are drivers.

\*\* In addition, there are 21 Class I carriers which are local or suburban carriers operating in interstate commerce.

\*\*\* Reports for years beginning with 1977 include only carriers with revenues of \$3 million or more in the Class I category (prior to 1977 carriers with revenues of \$1 million or more).

1977

STATISTICS BY TRIP CLASSIFICATION  
ALL CARRIERS

TYPE TRIP CLASSIFICATION	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
CHARTER.....	179	1	22	0	1	2	458	34	153	37	634	\$1,095
REGULAR.....	649	2	68	0	15	7	724	40	487	49	1,294	2,475
DATA NOT GIVEN.....	2	0	0	0	0	0	0	1	1	1	1	4
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,574

CLASS I CARRIERS

TRIP CLASSIFICATION	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
CHARTER.....	102	0	7	0	1	0	139	10	80	10	227	\$471
REGULAR.....	382	1	34	0	10	6	446	27	270	34	766	1,676
DATA NOT GIVEN.....	1	0	0	0	0	0	0	0	1	0	1	0
TOTAL.....	485	1	41	0	11	6	585	37	357	44	994	2,147

CLASS II AND III CARRIERS

TRIP CLASSIFICATION	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
CHARTER.....	77	1	15	0	0	2	319	24	73	27	407	\$021
REGULAR.....	267	1	34	0	5	1	278	13	211	15	528	80
DATA NOT GIVEN.....	1	0	0	0	0	0	0	1	0	1	0	0
TOTAL.....	345	2	49	0	5	3	597	38	284	43	935	1,421

ACCIDENT STATISTICS, ACCIDENT RATES AND MILEAGE  
FCR CLASS I  
BY GEOGRAPHIC REGION

1977

CHARTER AND LOCAL

DOMICILE REGION	CAR-RIERS REPORTING MILEAGE	ACCI-DENTS	FATAL ACCI-DENTS	INJURY ACCI-DENTS	PROP-ERTY DAMAGE ACCI-DENTS	TOTAL KILLED	TOTAL INJURED	TOTAL PROPERTY DAMAGE	MILEAGE	FATALI-TY RATE	ACCI-DENT RATE	INJURY RATE	DAMAGE RATE
REGION 1...	15	18	2	11	5	2	39	\$63,265	18,662,132	10.72	.96	2.09	3390.02
REGION 3...	5	12	0	11	1	0	20	18,175	7,222,786	.00	1.66	2.77	2516.34
REGION 4...	6	9	0	7	2	0	27	15,225	17,783,697	.00	.51	1.52	856.12
REGION 5...	3	4	0	3	1	0	8	13,678	4,953,387	.00	.81	1.62	2761.34
REGION 6...	13	6	1	3	2	4	25	90,050	17,537,879	22.30	.33	1.39	5020.10
REGION 9...	4	55	4	32	19	4	109	265,276	65,304,095	5.77	.79	1.57	3827.71
REGION 10..	1	1	0	1	0	0	1	8,000	837,548	.00	1.19	1.19	9551.69
TOTAL.....	47	105	7	68	30	10	229	473,669	136,701,524	7.32	.77	1.68	3464.99

ACCIDENT STATISTICS, ACCIDENT RATES AND MILEAGE  
FCR CLASS I  
BY GEOGRAPHIC REGION

INTERCITY

DOMICILE REGION	CAR-RIERS REPORTING MILEAGE	ACCI-DENTS	FATAL ACCI-DENTS	INJURY ACCI-DENTS	PROP-ERTY DAMAGE ACCI-DENTS	TOTAL KILLED	TOTAL INJURED	TOTAL PROPERTY DAMAGE	MILEAGE	FATALI-TY RATE	ACCI-DENT RATE	INJURY RATE	DAMAGE RATE
REGION 1...	15	60	0	40	20	0	93	\$307,397	57,222,897	0.00	1.05	1.63	5371.92
REGION 3...	5	22	1	17	4	1	35	60,420	21,579,337	3.63	.80	1.27	2190.77
REGION 4...	6	43	6	27	10	7	94	247,482	71,081,424	9.85	.60	1.32	3481.67
REGION 5...	3	4	1	2	1	1	3	16,650	8,604,907	11.62	.46	.35	1934.94
REGION 6...	13	15	4	5	6	4	21	95,005	67,594,675	5.92	.22	.31	1405.51
REGION 9...	4	235	16	158	61	21	519	942,751	395,247,713	5.31	.59	1.31	2385.22
REGION 10..	1	1	0	0	1	0	0	3,600	3,655,144	.00	.27	.00	984.91
TOTAL.....	47	380	28	249	103	34	765	1,673,305	630,586,097	5.39	.60	1.21	2651.89

Notes appear on next page.

ACCIDENT STATISTICS, ACCIDENT RATES AND MILEAGE  
FOR CLASS I\*  
BY GEOGRAPHIC REGION

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TOTAL

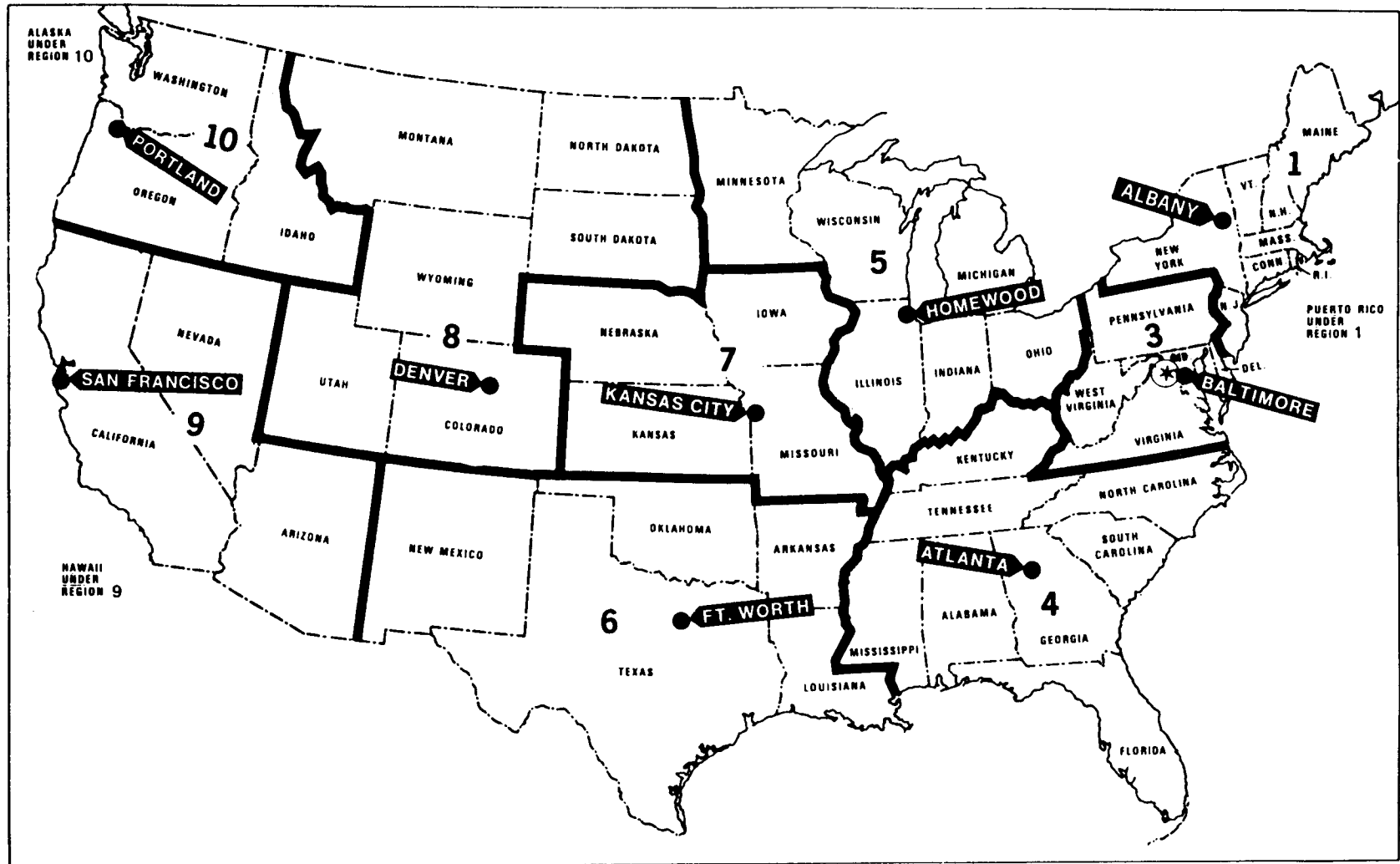
DOMICILE REGION	CAR-RIERS REPORTING MILEAGE	ACCI-DENTS	FATAL ACCI-DENTS	INJURY ACCI-DENTS	PROP-ERTY DAMAGE ACCI-DENTS	TOTAL KILLED	TOTAL INJURED	TOTAL PROPERTY DAMAGE	MILEAGE	FATALI-TY RATE	ACCI-DENT RATE	INJURY RATE	DAMAGE RATE
REGION 1...	15	78	2	51	25	2	132	\$370,662	75,885,029	2.64	1.03	1.74	4884.52
REGION 3...	5	34	1	28	5	1	55	78,595	34,802,123	2.87	.98	1.58	2258.34
REGION 4...	6	52	6	34	12	7	121	262,707	88,865,121	7.88	.59	1.36	2956.24
REGION 5...	3	8	1	5	2	1	11	30,328	13,558,294	7.38	.59	.81	2236.86
REGION 6...	13	21	5	8	8	8	46	185,055	85,532,554	9.35	.25	.54	2163.56
REGION 9...	4	290	20	190	80	25	628	1,208,027	464,551,808	5.38	.62	1.35	2600.41
REGION 10...	1	2	0	1	1	0	1	11,600	4,492,692	.00	.45	.22	2581.97
TOTAL.....	47	485	35	317	133	44	994	2,146,974	767,687,621	5.73	.63	1.29	2796.68

\* ANNUAL GROSS OPERATING REVENUE OF \$3,000,000 OR MORE (ICC DEFINITION)

Note: Fatality rate--fatalities per hundred million vehicles miles. Accident, injury and property damage rates--per million vehicle miles.

Note: Mileage is reported for carriers in both Charter-Local and Intercity service.

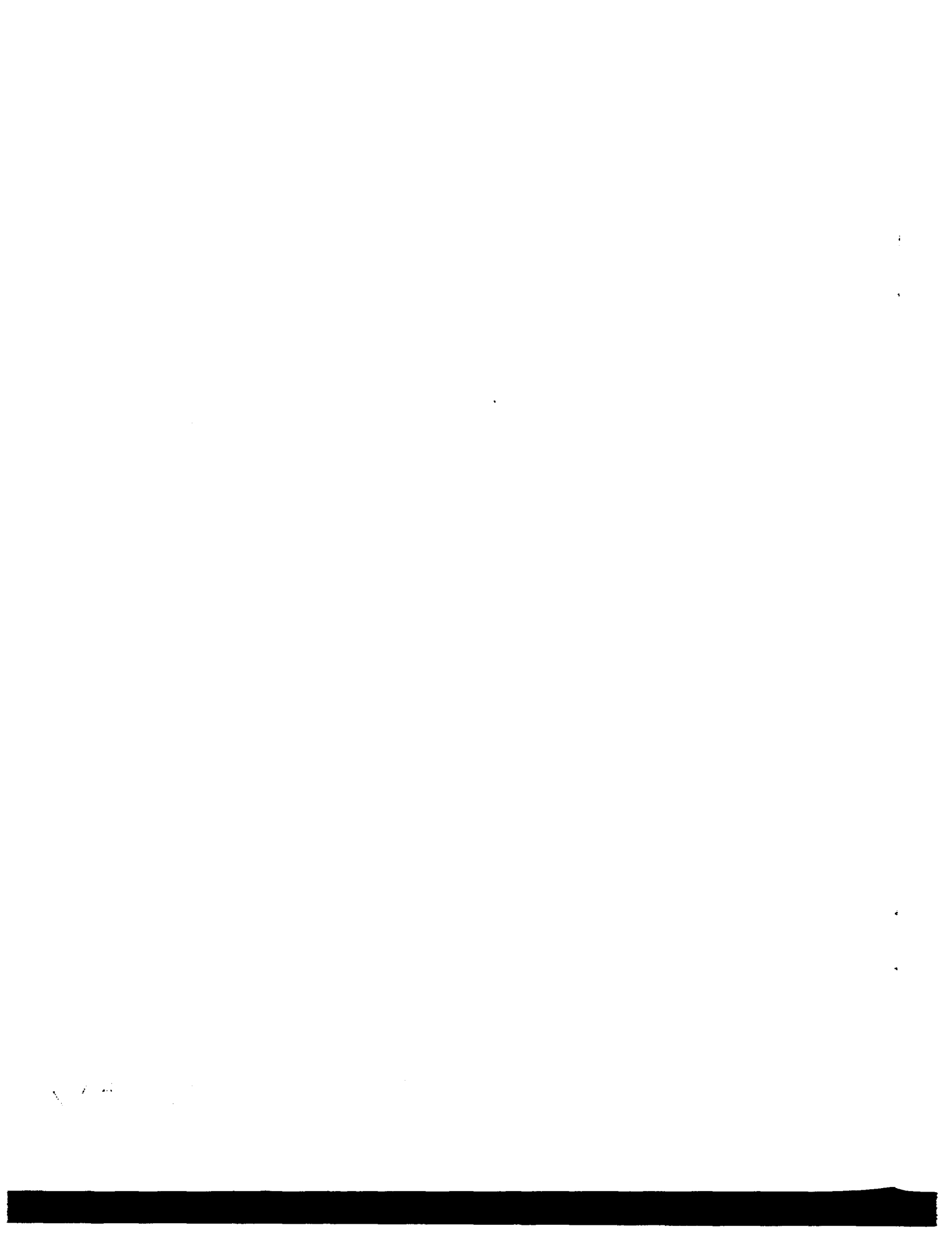
# Field Regions of the Federal Highway Administration



★ Washington, D.C. Headquarters

● Field Region Headquarters

NOTE: FHWA Region 1 Conforms to Standard Regions 1 and 2



**HIGHWAY  
ENVIRONMENT**

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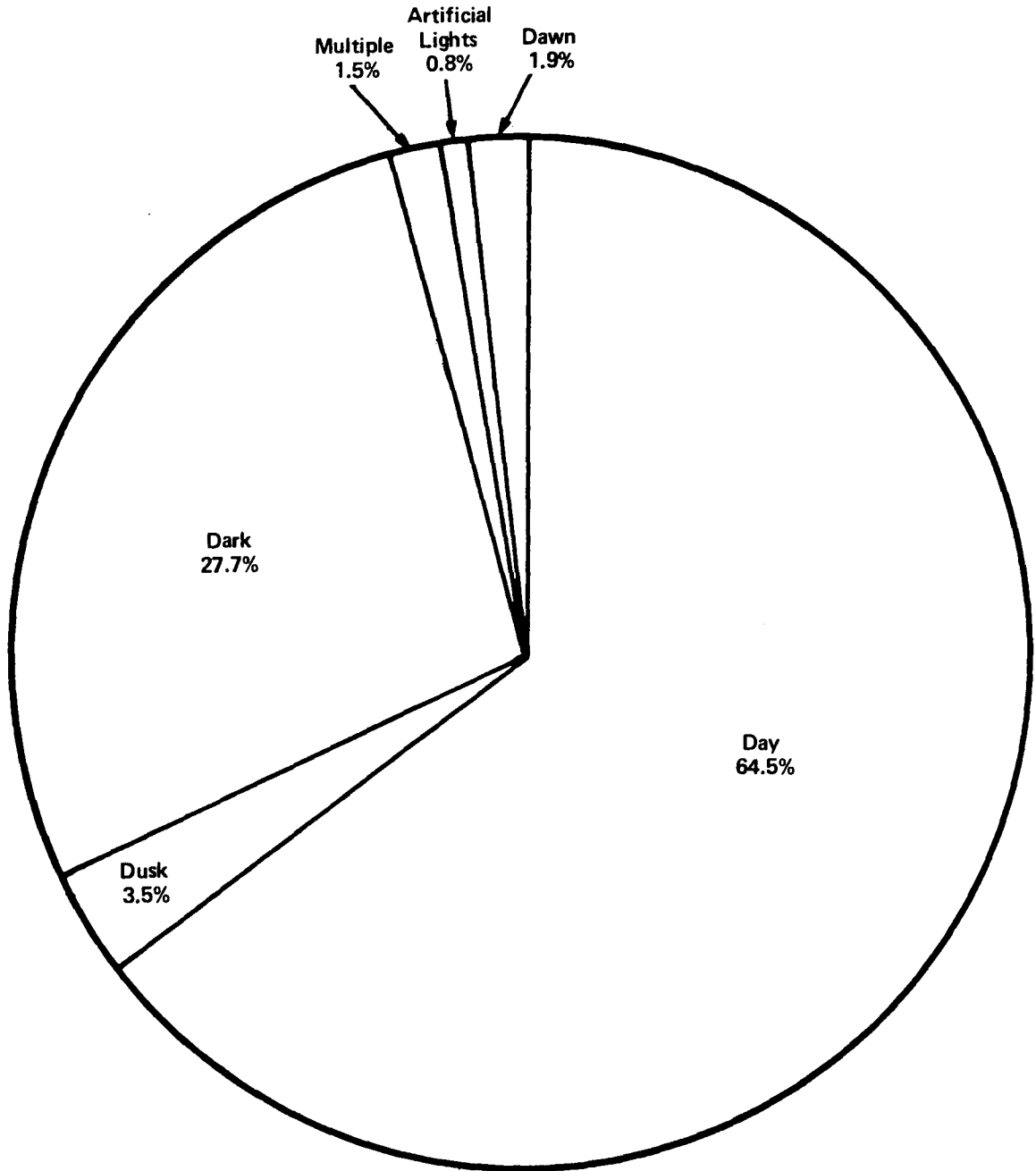
## ACCIDENT STATISTICS BY LIGHTING CONDITIONS

LIGHTING	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
DAY.....	535	1	57	0	14	2	715	30	442	33	1,228	\$2,076
DARK.....	230	2	28	0	1	7	387	40	156	49	572	1,275
DAWN.....	16	0	1	0	1	0	5	2	7	2	14	75
DUSK.....	29	0	3	0	0	0	39	2	15	2	57	50
ARTIFICIAL LIGHTS...	7	0	1	0	0	0	1	0	4	0	6	23
*MULTIPLE.....	12	0	0	0	0	0	34	1	17	1	51	78
DATA NOT GIVEN.....	1	0	0	0	0	0	1	0	0	0	1	0
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

\*MORE THAN ONE CATEGORY REPORTED - FOR EXAMPLE, 'DARK' AND 'ARTIFICIAL LIGHTS'



### ACCIDENTS BY LIGHTING CONDITIONS



Note: Lighting condition not known 0.1%

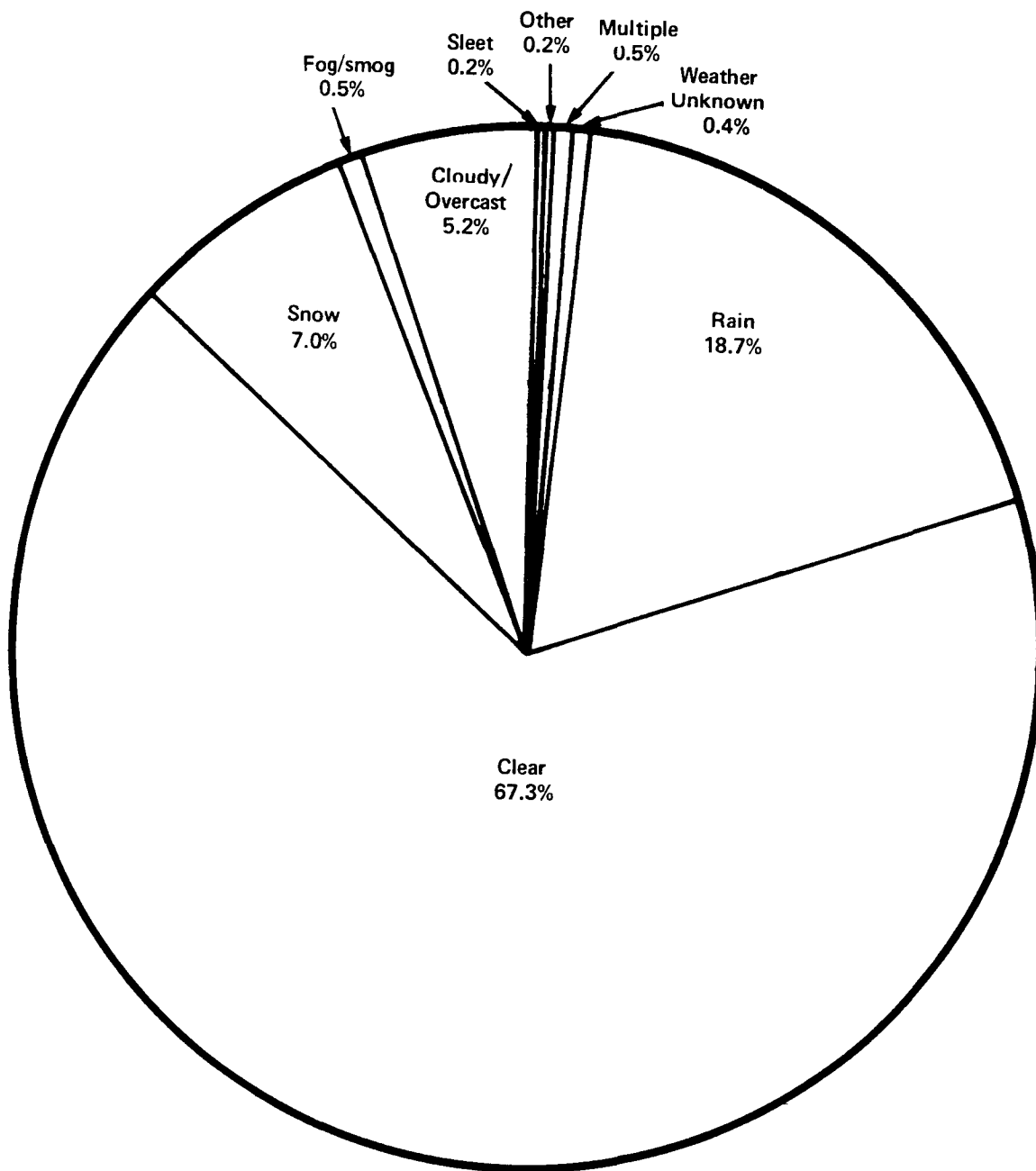
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## ACCIDENT STATISTICS BY WEATHER CONDITIONS

WEATHER	ACCIDENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOUSANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
RAIN.....	155	0	21	0	11	7	240	4	125	11	397	\$830
CLEAR.....	559	2	56	0	5	1	703	42	431	45	1,195	2,085
SNOW.....	58	1	8	0	0	1	175	7	40	9	223	389
FOG/SMOG.....	4	0	0	0	0	0	0	0	9	0	9	12
CLOUDY/OVERCAST.....	44	0	3	0	0	0	46	3	29	3	78	169
SLEET.....	2	0	0	0	0	0	0	0	2	0	2	3
OTHER.....	2	0	1	0	0	0	16	3	1	3	18	58
*MULTIPLE.....	4	0	1	0	0	0	0	16	2	16	3	29
DATA NOT GIVEN.....	3	0	0	0	0	0	2	0	2	0	4	0
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

\*MORE THAN ONE CATEGORY REPORTED - FOR EXAMPLE, 'SNOW' AND 'OTHER'

### ACCIDENTS BY WEATHER CONDITIONS



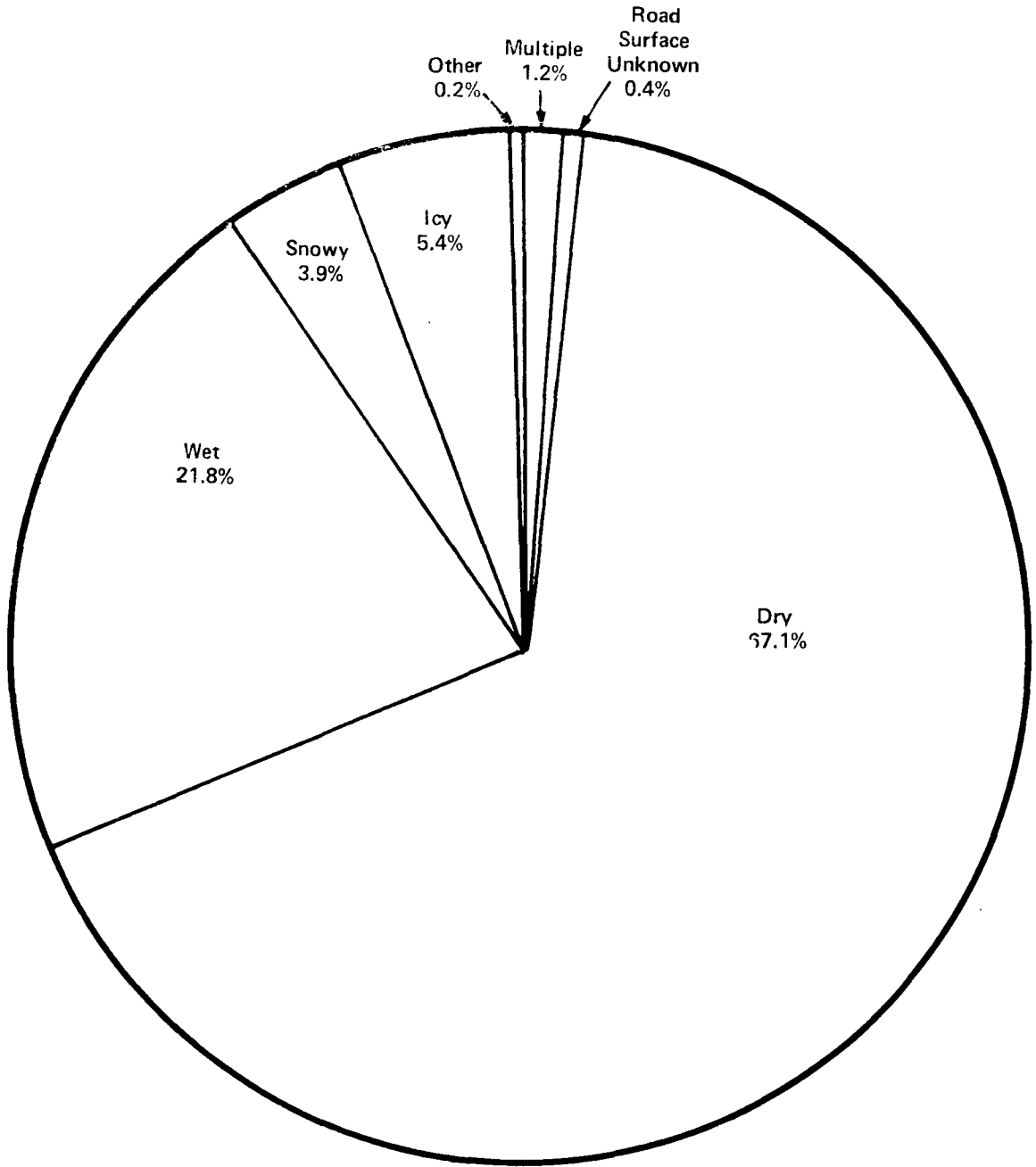
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## STATISTICS BY ROAD SURFACE CONDITION

ROAD SURFACE CONDITION	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
DRY.....	557	2	56	0	5	1	721	45	428	48	1,210	\$2,050
WET.....	181	0	23	0	11	7	242	6	155	13	431	960
SNOWY.....	32	0	6	0	0	0	32	4	16	4	54	170
ICY.....	45	1	2	0	0	0	122	4	35	5	159	255
OTHER.....	2	0	1	0	0	0	14	0	0	0	15	10
*MULTIPLE.....	10	0	2	0	0	1	49	16	5	17	56	125
DATA NOT GIVEN.....	3	0	0	0	0	0	2	0	2	0	4	0
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,570

\*MORE THAN ONE CATEGORY REPORTED - FOR EXAMPLE, 'WET' AND 'ICY'

**ACCIDENTS BY ROAD SURFACE CONDITIONS**



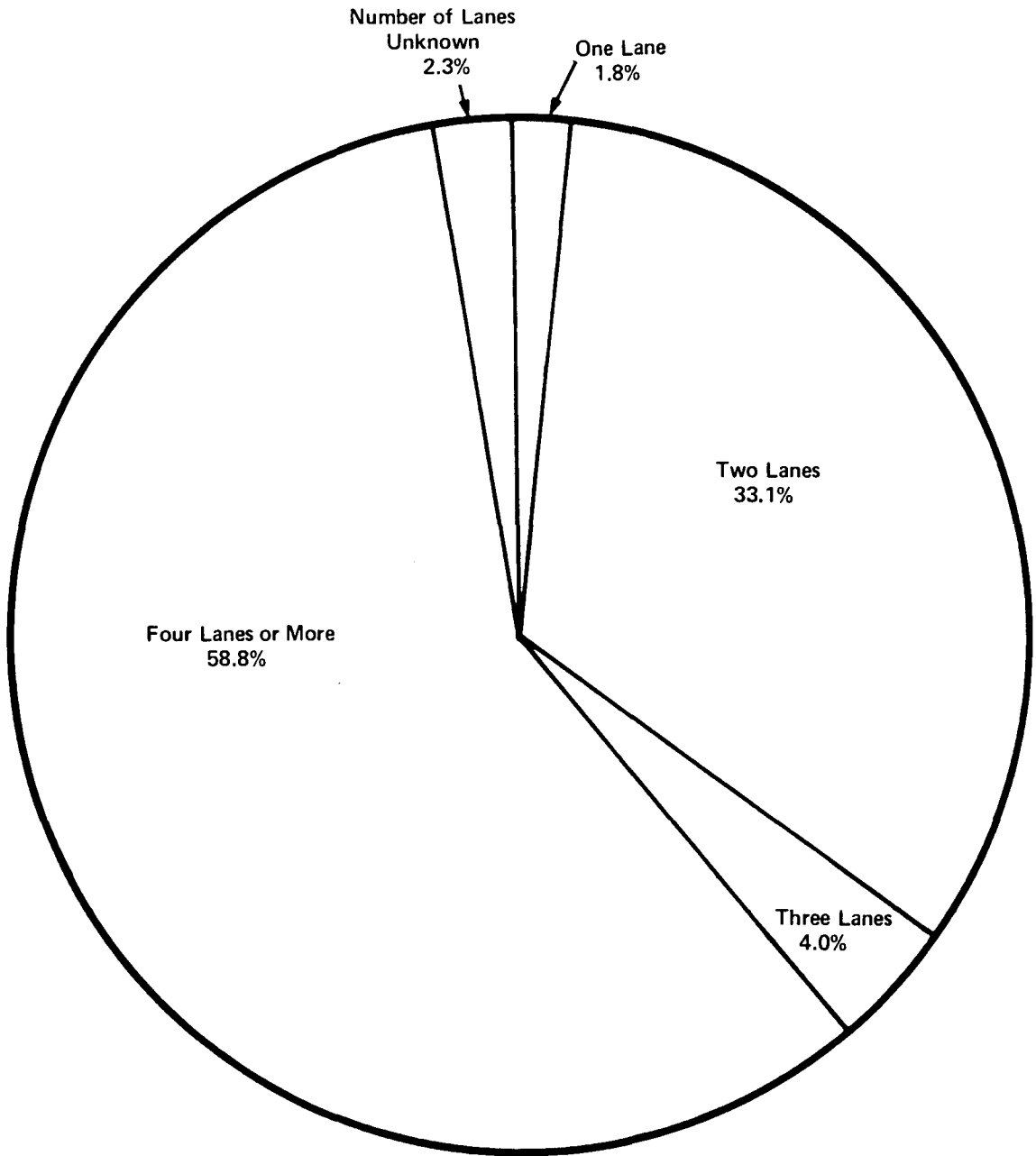
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STATISTICS BY  
NUMBER OF LANES AND TYPE OF HIGHWAY

TOTAL NUMBER OF LANES	ACCI-DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPER DAMAG (THOU SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
ONE LANE												
*DIVIDED.....	3	0	1	0	0	0	3	0	2	0	6	\$
UNDIVIDED.....	10	0	1	0	0	0	2	0	4	0	7	1
DATA NOT GIVEN.....	2	0	0	0	0	0	2	0	0	0	2	
TOTAL.....	15	0	2	0	0	0	7	0	6	0	15	2
TWO LANES												
DIVIDED.....	10	0	0	0	0	0	6	1	11	1	17	2
UNDIVIDED.....	264	0	29	0	13	1	257	26	221	27	520	1,29
DATA NOT GIVEN.....	1	0	0	0	0	0	0	0	0	0	0	
TOTAL.....	275	0	29	0	13	1	263	27	232	28	537	1,32
THREE LANES												
UNDIVIDED.....	33	0	3	0	0	0	21	4	19	4	43	16
TOTAL.....	33	0	3	0	0	0	21	4	19	4	43	16
FOUR LANES OR MORE												
DIVIDED.....	390	3	44	0	3	8	777	37	317	48	1,141	1,73
UNDIVIDED.....	95	0	12	0	0	0	110	6	61	6	183	28
DATA NOT GIVEN.....	3	0	0	0	0	0	1	0	1	0	2	
TOTAL.....	488	3	56	0	3	8	888	43	379	54	1,326	2,01
DATA NOT GIVEN												
DATA NOT GIVEN.....	19	0	0	0	0	0	3	1	5	1	8	4
TOTAL.....	19	0	0	0	0	0	3	1	5	1	8	4
TOTAL												
DIVIDED.....	403	3	45	0	3	8	786	38	330	49	1,164	1,76
UNDIVIDED.....	402	0	45	0	13	1	390	36	305	37	753	1,75
DATA NOT GIVEN.....	25	0	0	0	0	0	6	1	6	1	12	5
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,57

\* INTERCHANGE RAMP

### ACCIDENTS BY NUMBER OF LANES



1977

STATISTICS BY  
EXPRESSWAY RAMP LOCATION

ACCESS DETAILS	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERT DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
NOT APPLICABLE.....	785	3	86	0	16	9	1,065	75	615	87	1,782	\$3,338
ENTRANCE RAMP.....	14	0	2	0	0	0	20	0	10	0	32	47
EXIT RAMP.....	31	0	2	0	0	0	97	0	16	0	115	192
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

18



**TIME  
AND  
PLACE**

**MTA LIBRARY**



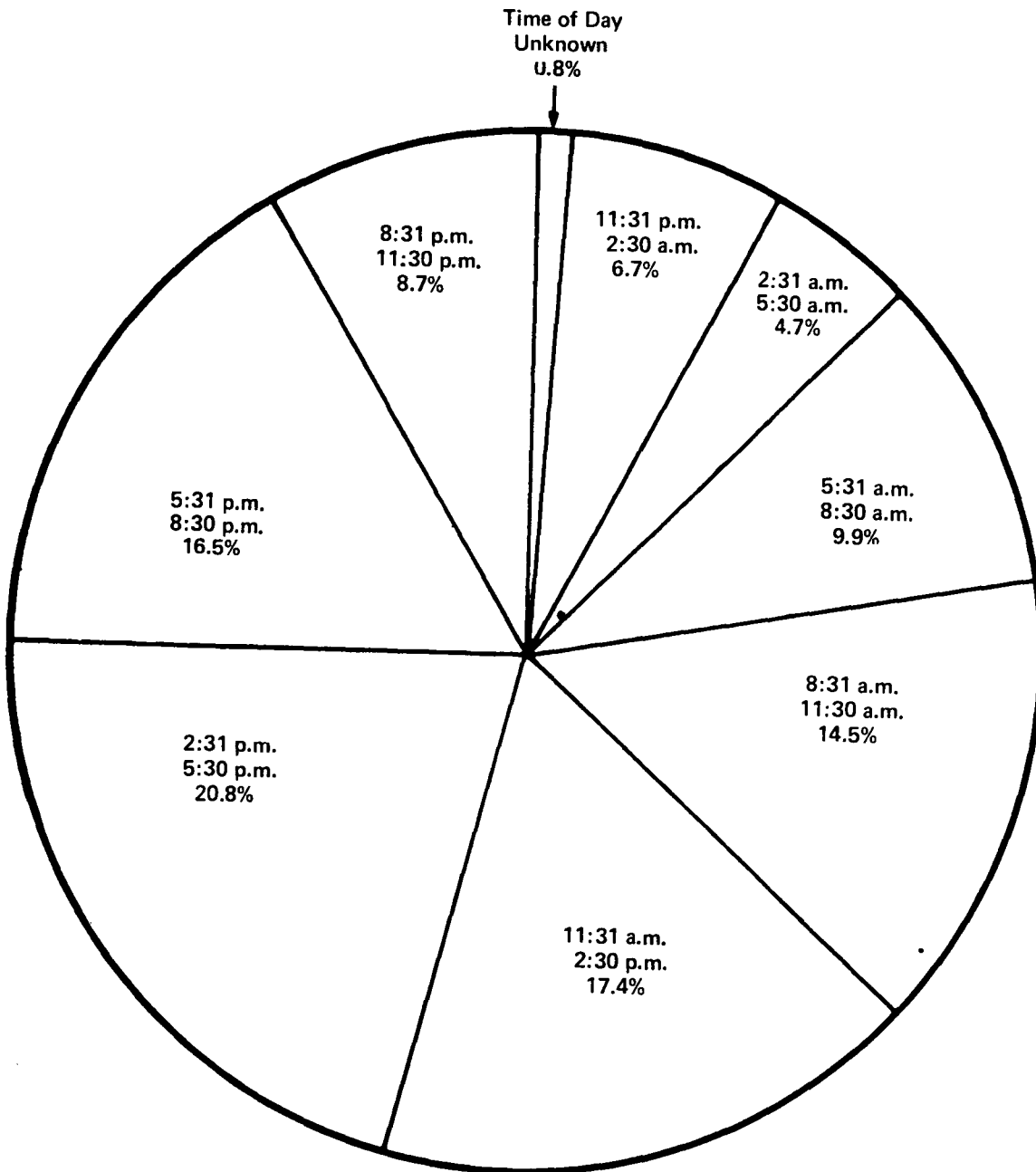


1977

STATISTICS BY  
TIME OF ACCIDENT

TIME	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
11:31 P.M. - 2:30 A.M.	56	1	8	0	1	4	92	5	39	10	140	\$337
2:31 A.M. - 5:30 A.M.	39	0	4	0	0	0	61	4	23	4	88	240
5:31 A.M. - 8:30 A.M.	82	0	11	0	2	0	62	6	59	6	134	336
8:31 A.M. - 11:30 A.M.	120	0	11	0	0	0	143	4	123	4	277	452
11:31 A.M. - 2:30 P.M.	144	1	10	0	12	1	299	12	107	14	428	535
2:31 P.M. - 5:30 P.M.	173	1	22	0	1	0	253	9	146	10	422	680
5:31 P.M. - 8:30 P.M.	137	0	18	0	0	4	175	12	82	16	275	650
8:31 P.M. - 11:30 P.M.	72	0	6	0	0	0	90	23	55	23	151	334
UNKNOWN	7	0	0	0	0	0	7	0	7	0	14	12
TOTAL	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

### ACCIDENTS BY TIME OF DAY

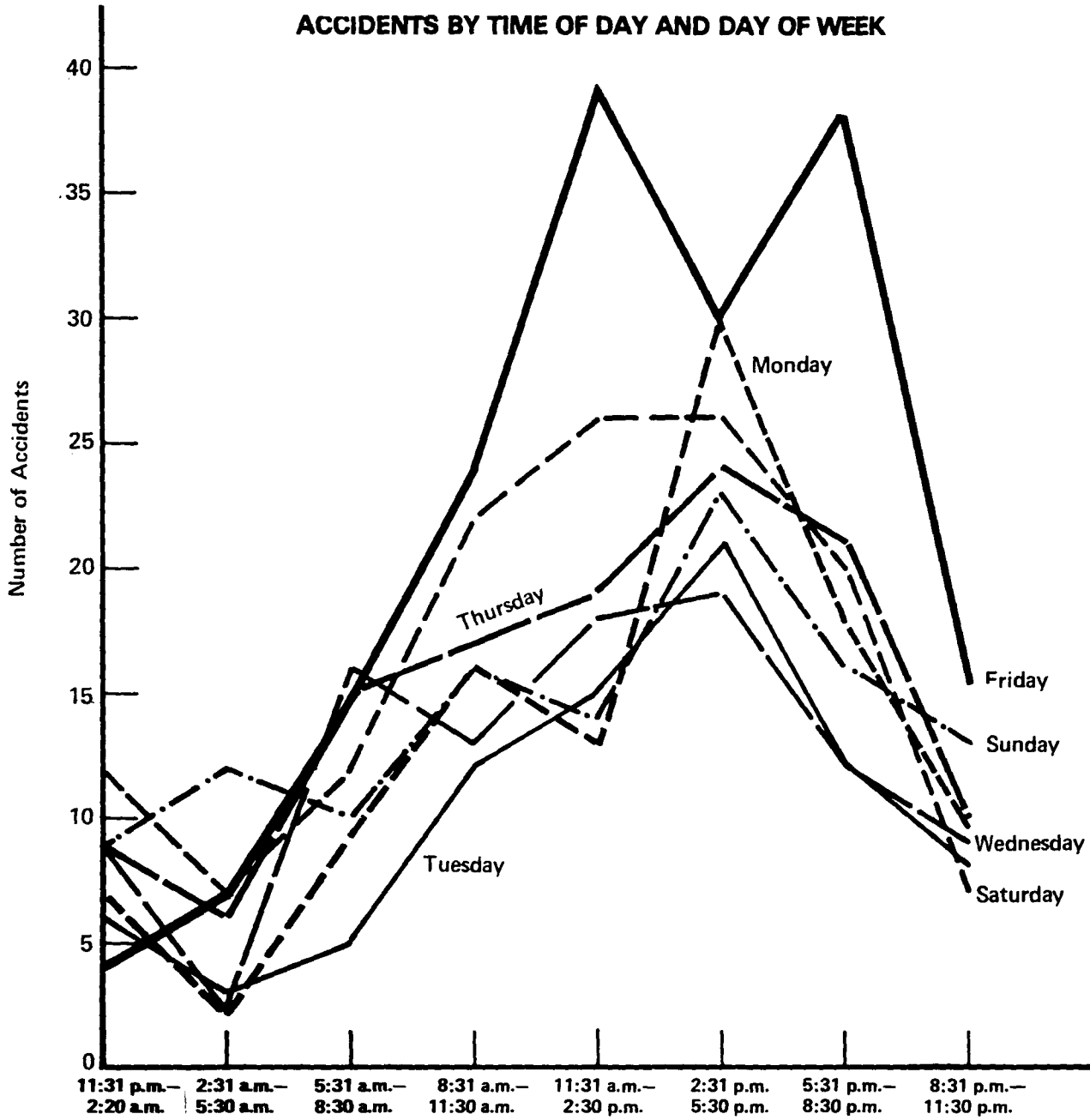


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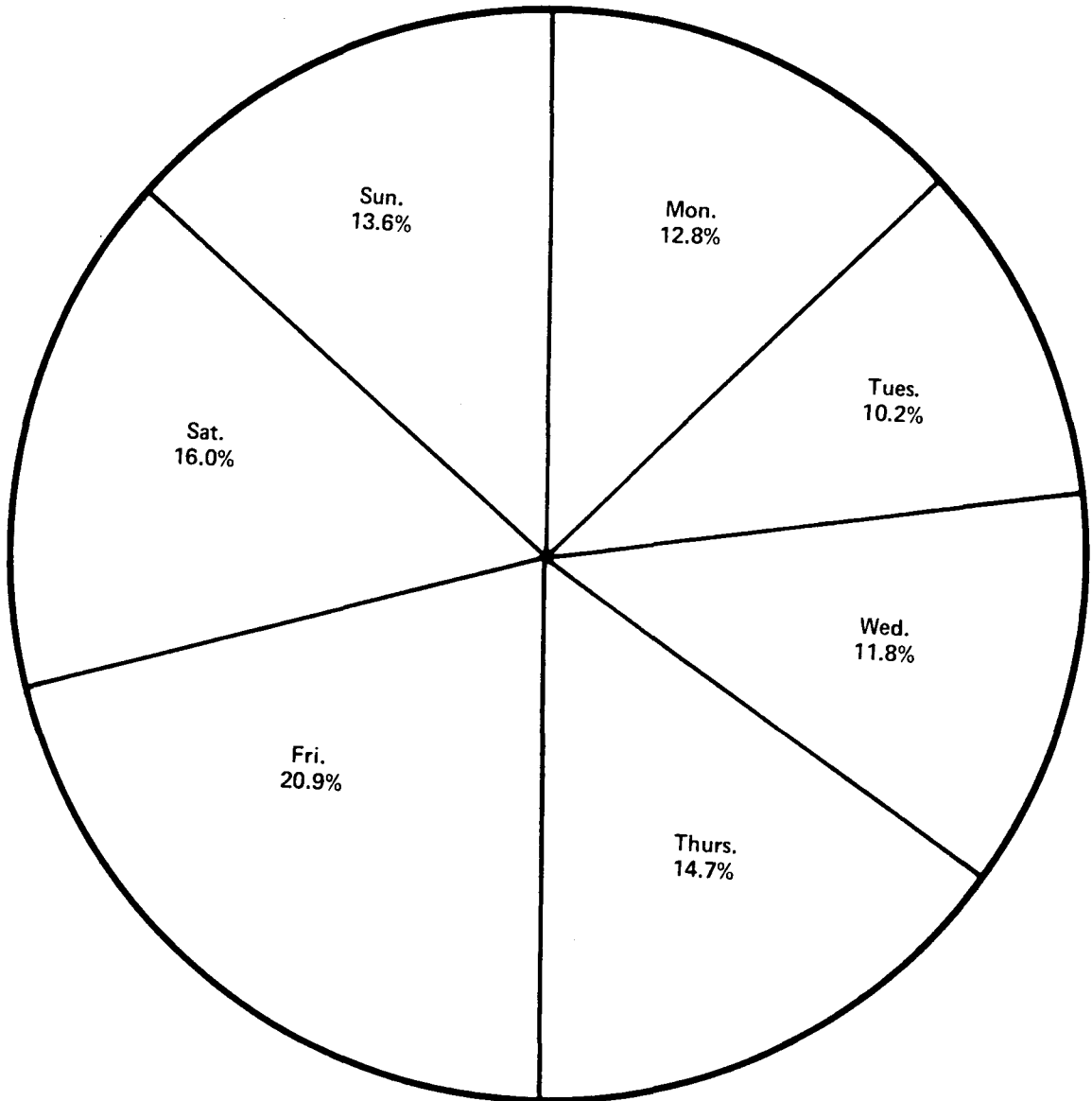
ACCIDENTS BY  
TIME OF DAY AND DAY OF WEEK

HOURS	ACCIDENT DAY OF WEEK							TOTAL
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	
CHARTER								
11:31 P.M. - 2:30								
A.M. ....		3	2	2	1	1	3	1
2:31 A.M. - 5:30								
A.M. ....	-	-	-		2	-	2	2
5:31 A.M. - 8:30								
A.M. ....		2	2	-	1	1	3	2
8:31 A.M. - 11:30								
A.M. ....		2	1	7	5	5	7	3
11:31 A.M. - 2:30								
P.M. ....		3	3	6	5	10	6	6
2:31 P.M. - 5:30								
P.M. ....		5	4	2	5	8	6	7
5:31 P.M. - 8:30								
P.M. ....		2	2	2	2	8	7	7
8:31 P.M. - 11:30								
P.M. ....		3	3	-	-	2	-	4
UNKNOWN	-		1	-	-	-	-	-
TOTAL		20	18	19	21	35	34	32
REGULAR								
11:31 P.M. - 2:30								
A.M. ....		3	4	7	8	2	9	8
2:31 A.M. - 5:30								
A.M. ....		2	3	2	4	7	5	10
5:31 A.M. - 8:30								
A.M. ....		7	3	16	14	14	9	8
8:31 A.M. - 11:30								
A.M. ....		14	11	6	12	19	15	13
11:31 A.M. - 2:30								
P.M. ....		10	12	12	14	29	20	8
2:31 P.M. - 5:30								
P.M. ....		25	17	17	19	22	20	16
5:31 P.M. - 8:30								
P.M. ....		16	10	10	19	30	13	9
8:31 P.M. - 11:30								
P.M. ....		7	5	9	10	13	7	9
UNKNOWN		1	2	-	1	1	1	-
TOTAL		85	67	79	101	137	99	81
DATA NOT GIVEN								
11:31 P.M. - 2:30								
A.M. ....		1	-	-	-	1	-	-
TOTAL		1	-	-	-	1	-	-
TOTAL								
11:31 P.M. - 2:30								
A.M. ....		7	6	9	9	4	12	9
2:31 A.M. - 5:30								
A.M. ....		2	3	2	6	7	7	12
5:31 A.M. - 8:30								
A.M. ....		9	5	16	15	15	12	10
8:31 A.M. - 11:30								
A.M. ....		16	12	13	17	24	22	16
11:31 A.M. - 2:30								
P.M. ....		13	15	19	19	39	26	14
2:31 P.M. - 5:30								
P.M. ....		30	21	19	24	30	26	23
5:31 P.M. - 8:30								
P.M. ....		18	12	12	21	38	20	16
8:31 P.M. - 11:30								
P.M. ....		10	8	9	10	15	7	13
UNKNOWN		1	3	-	1	1	1	-
TOTAL		106	85	98	122	173	133	113

### ACCIDENTS BY TIME OF DAY AND DAY OF WEEK



**ACCIDENTS BY DAY OF WEEK**



1977

ACCIDENTS BY  
HOURS DRIVING AND TIME OF DAY

TIME	HOURS DRIVING AND TIME OF DAY												TOTAL	
	1 HOUR	2 HOURS	3 HOURS	4 HOURS	5 HOURS	6 HOURS	7 HOURS	8 HOURS	9 HOURS	10 HOURS	11 TO 12 HOURS	DATA NOT GIVEN		
<b>CHARTER</b>														
11:31 P.M. - 2:30 A.M.		2	2	1	2	1	1	2	1	-	1	-	-	13
2:31 A.M. - 5:30 A.M.	1	1	3	-	-	1	-	-	-	-	-	-	-	6
5:31 A.M. - 8:30 A.M.	6	4	1	-	-	-	-	-	-	-	-	-	-	11
8:31 A.M. - 11:30 A.M.	7	16	5	1	-	-	-	1	-	-	-	-	-	30
11:31 A.M. - 2:30 P.M.	6	9	6	3	5	3	-	2	-	-	-	-	5	39
2:31 P.M. - 5:30 P.M.	4	6	9	5	4	2	3	-	1	-	-	-	3	37
5:31 P.M. - 8:30 P.M.	10	4	4	3	3	4	-	2	-	-	-	-	-	30
8:31 P.M. - 11:30 P.M.	-	2	1	2	4	1	-	1	-	1	-	-	-	12
UNKNOWN	1	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	37	44	30	16	18	11	6	6	6	1	2	-	8	179
<b>REGULAR</b>														
11:31 P.M. - 2:30 A.M.	14	3	8	2	4	4	4	-	-	-	-	-	2	41
2:31 A.M. - 5:30 A.M.	9	3	4	4	6	2	1	2	1	-	-	-	1	33
5:31 A.M. - 8:30 A.M.	36	10	8	4	8	2	1	1	-	-	-	-	1	71
8:31 A.M. - 11:30 A.M.	19	21	17	15	5	5	4	-	-	-	-	-	4	90
11:31 A.M. - 2:30 P.M.	25	21	9	15	11	10	5	3	2	-	-	-	4	105
2:31 P.M. - 5:30 P.M.	29	20	13	23	21	10	10	3	1	-	-	-	6	136
5:31 P.M. - 8:30 P.M.	18	11	19	14	16	12	8	5	-	-	-	-	4	107
8:31 P.M. - 11:30 P.M.	7	4	7	8	11	8	10	3	-	-	-	-	2	60
UNKNOWN	-	2	2	-	1	1	-	-	-	-	-	-	-	6
TOTAL	157	95	87	85	83	54	43	17	4	-	-	-	24	649
<b>DATA NOT GIVEN</b>														
11:31 P.M. - 2:30 A.M.	-	-	-	-	1	1	-	-	-	-	-	-	-	2
TOTAL	-	-	-	-	1	1	-	-	-	-	-	-	-	2
<b>TOTAL</b>														
11:31 P.M. - 2:30 A.M.	16	5	9	4	6	6	6	1	-	1	-	-	2	56
2:31 A.M. - 5:30 A.M.	10	4	7	4	7	2	1	2	1	-	-	-	1	39
5:31 A.M. - 8:30 A.M.	42	14	9	4	8	2	1	1	-	-	-	-	1	82
8:31 A.M. - 11:30 A.M.	26	37	22	16	5	5	5	-	-	-	-	-	4	120
11:31 A.M. - 2:30 P.M.	31	30	15	18	16	13	5	5	2	-	-	-	9	144
2:31 P.M. - 5:30 P.M.	33	26	22	28	25	12	13	3	2	-	-	-	9	173
5:31 P.M. - 8:30 P.M.	28	15	23	17	19	16	8	7	-	-	-	-	4	137
8:31 P.M. - 11:30 P.M.	7	6	8	10	15	9	10	4	-	1	-	-	2	72
UNKNOWN	1	2	2	-	1	1	-	-	-	-	-	-	-	7
TOTAL	194	139	117	101	102	66	49	23	5	2	-	-	32	830

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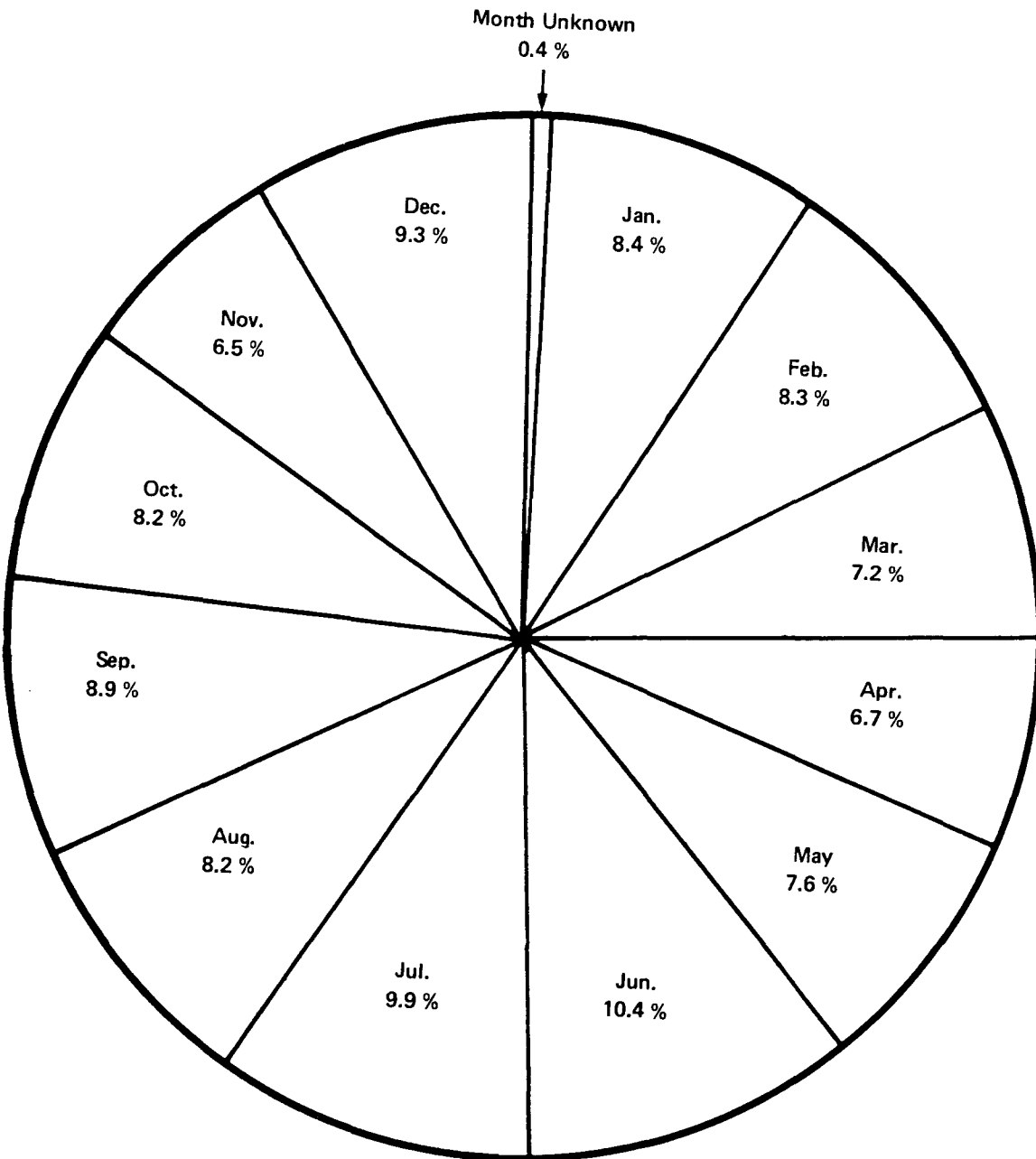


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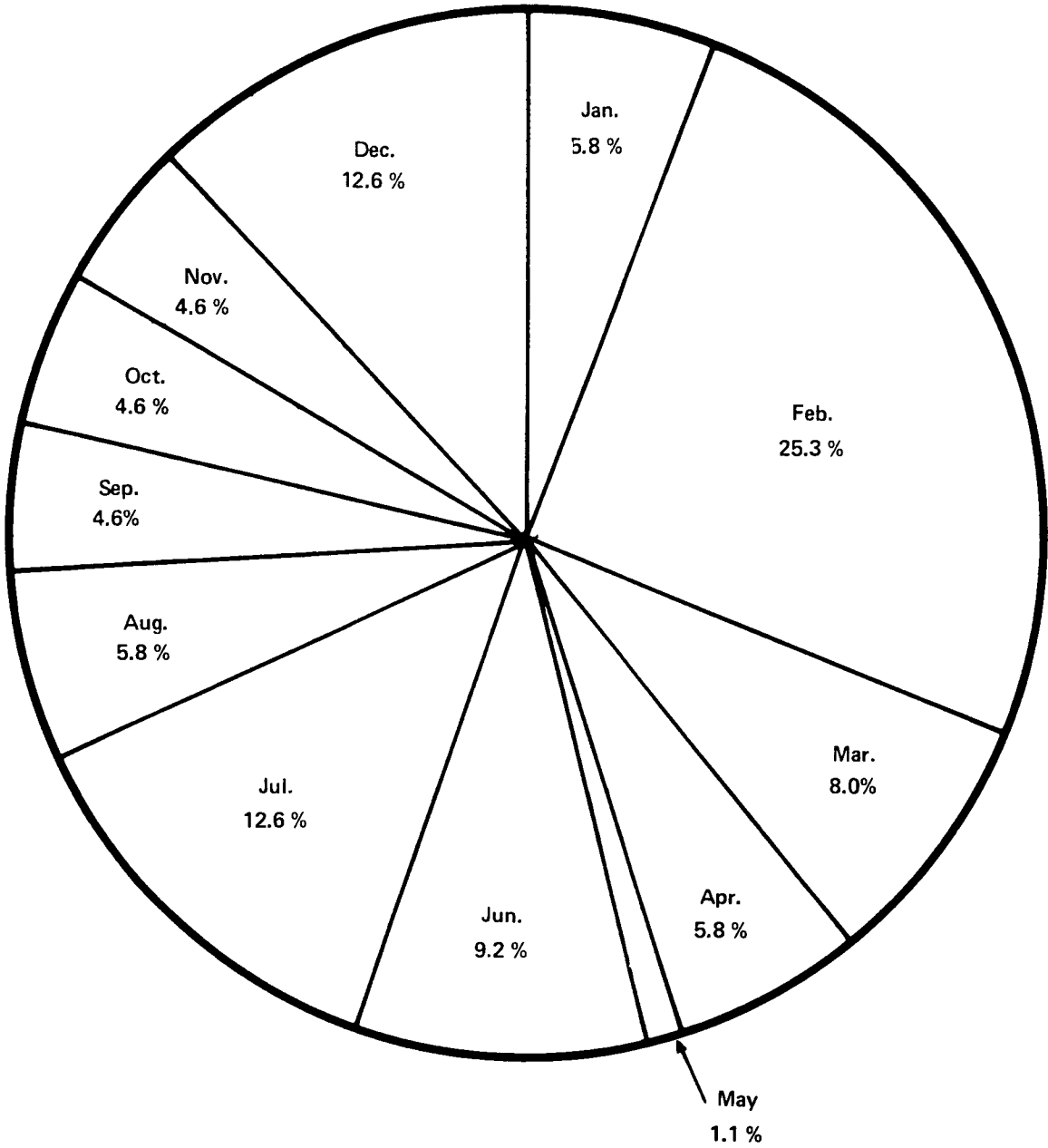
## MONTHLY STATISTICS

MONTH	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
NOT GIVEN - BLANK...	1	0	0	0	0	0	0	0	0	0	0	\$3
NOT GIVEN (00).....	2	0	0	0	0	0	3	0	2	0	5	4
JANUARY.....	70	0	12	0	0	0	113	5	42	5	167	394
FEBRUARY.....	69	0	6	0	0	0	109	22	72	22	187	273
MARCH.....	60	0	6	0	3	1	107	6	41	7	157	274
APRIL.....	56	0	6	0	1	0	54	5	60	5	121	135
MAY.....	63	0	2	0	0	1	53	0	44	1	99	269
JUNE.....	86	1	10	0	9	2	166	5	75	8	260	332
JULY.....	82	0	10	0	3	0	80	11	68	11	161	302
AUGUST.....	68	0	6	0	0	0	94	5	44	5	144	266
SEPTEMBER.....	74	0	7	0	0	0	68	4	47	4	122	326
OCTOBER.....	68	1	10	0	0	2	156	1	41	4	207	329
NOVEMBER.....	54	0	4	0	0	0	56	4	42	4	102	209
DECEMBER.....	77	1	11	0	0	3	123	7	63	11	197	461
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

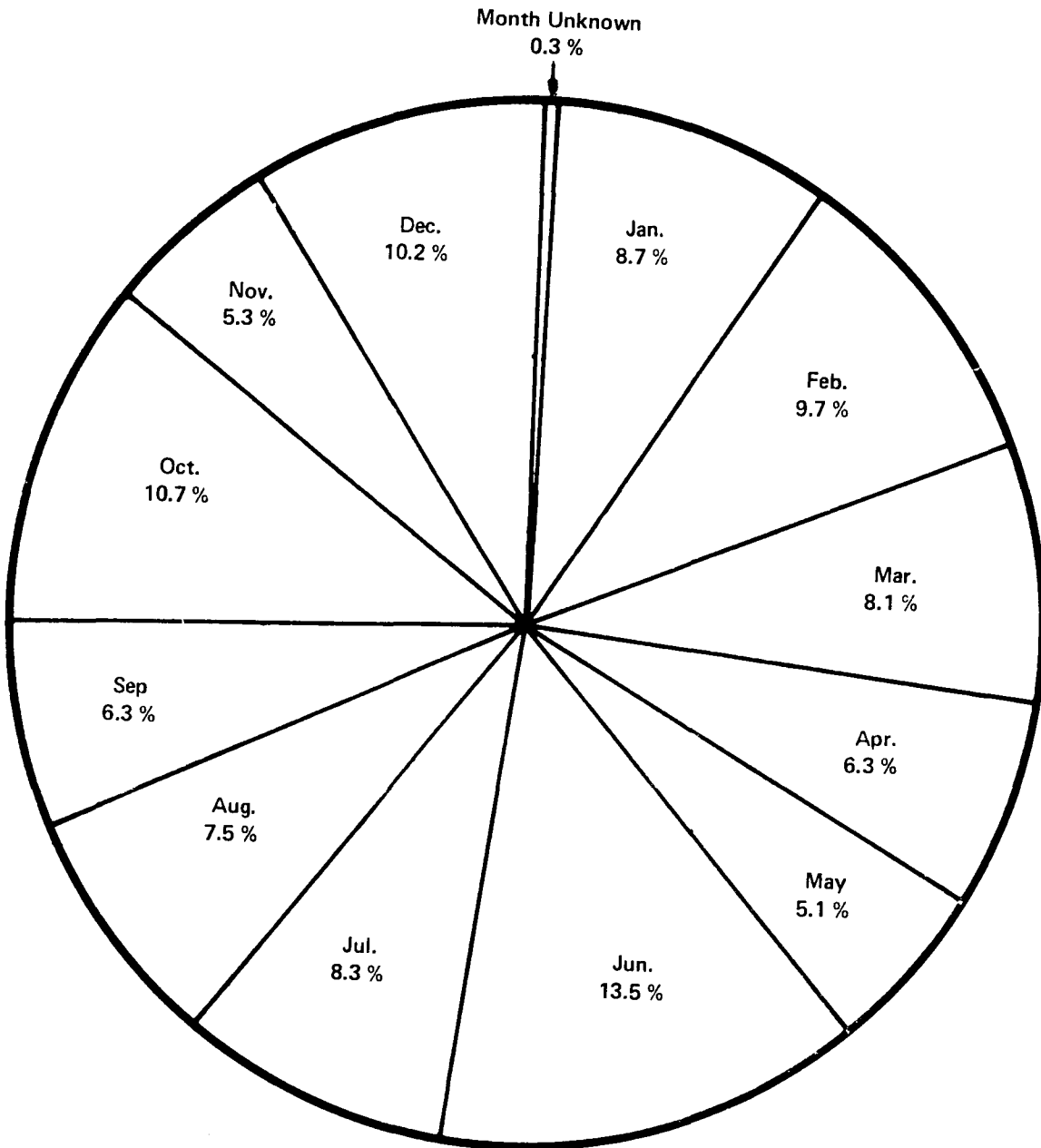
# MONTHLY STATISTICS - ACCIDENTS



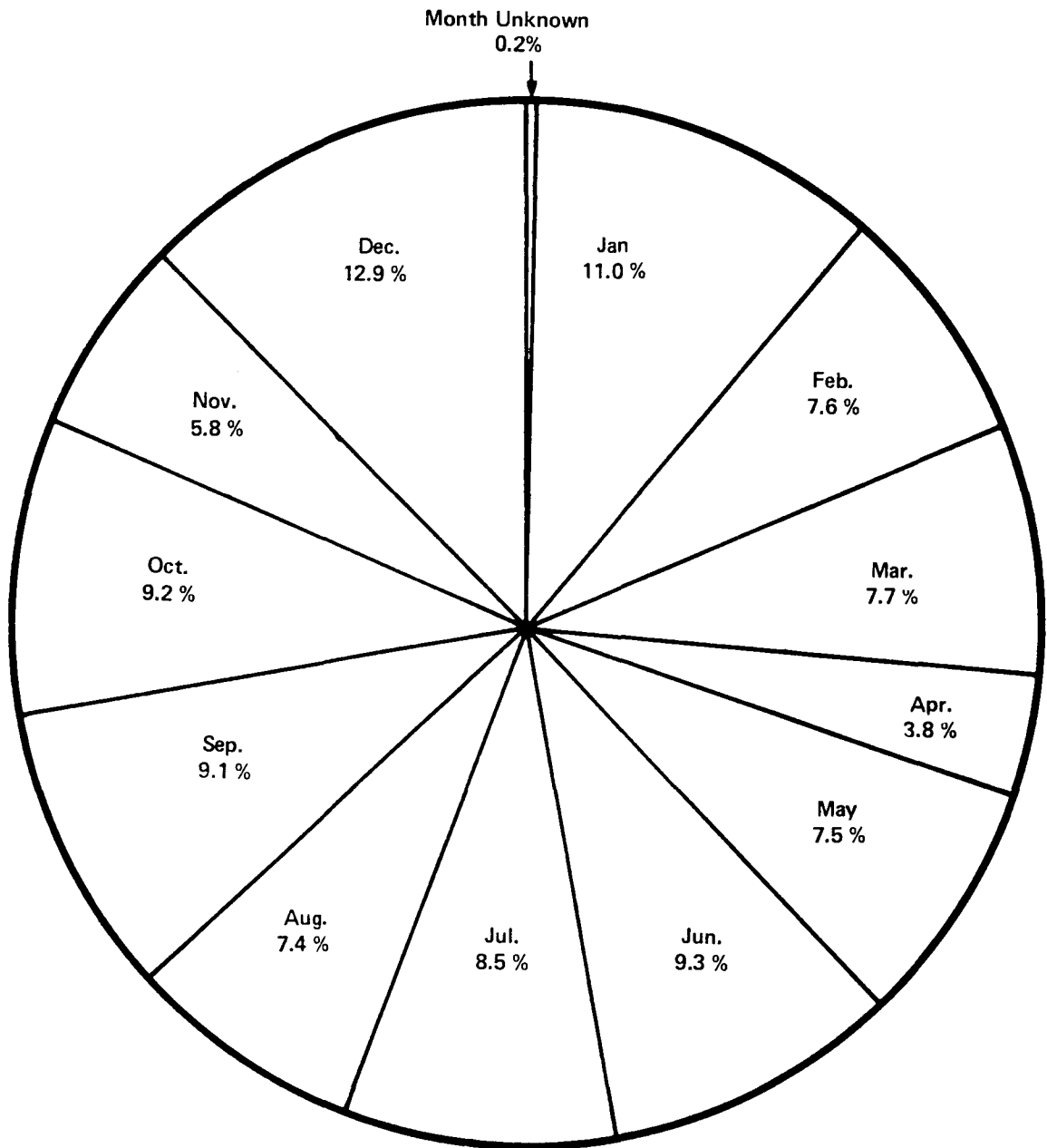
**MONTHLY STATISTICS - FATALITIES**



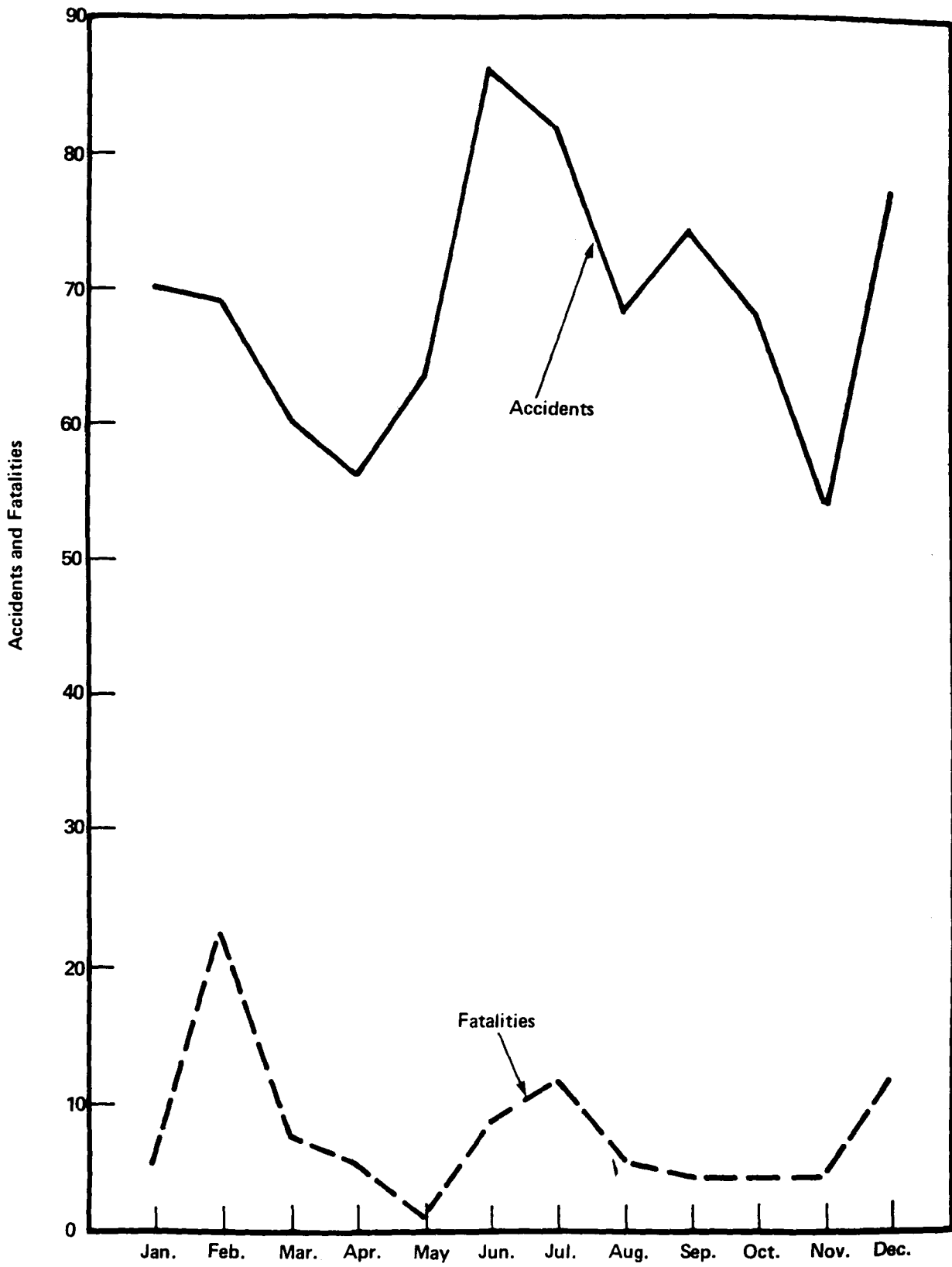
# MONTHLY STATISTICS - INJURIES



**MONTHLY STATISTICS - PROPERTY DAMAGE**



# ACCIDENTS AND FATALITIES BY MONTH

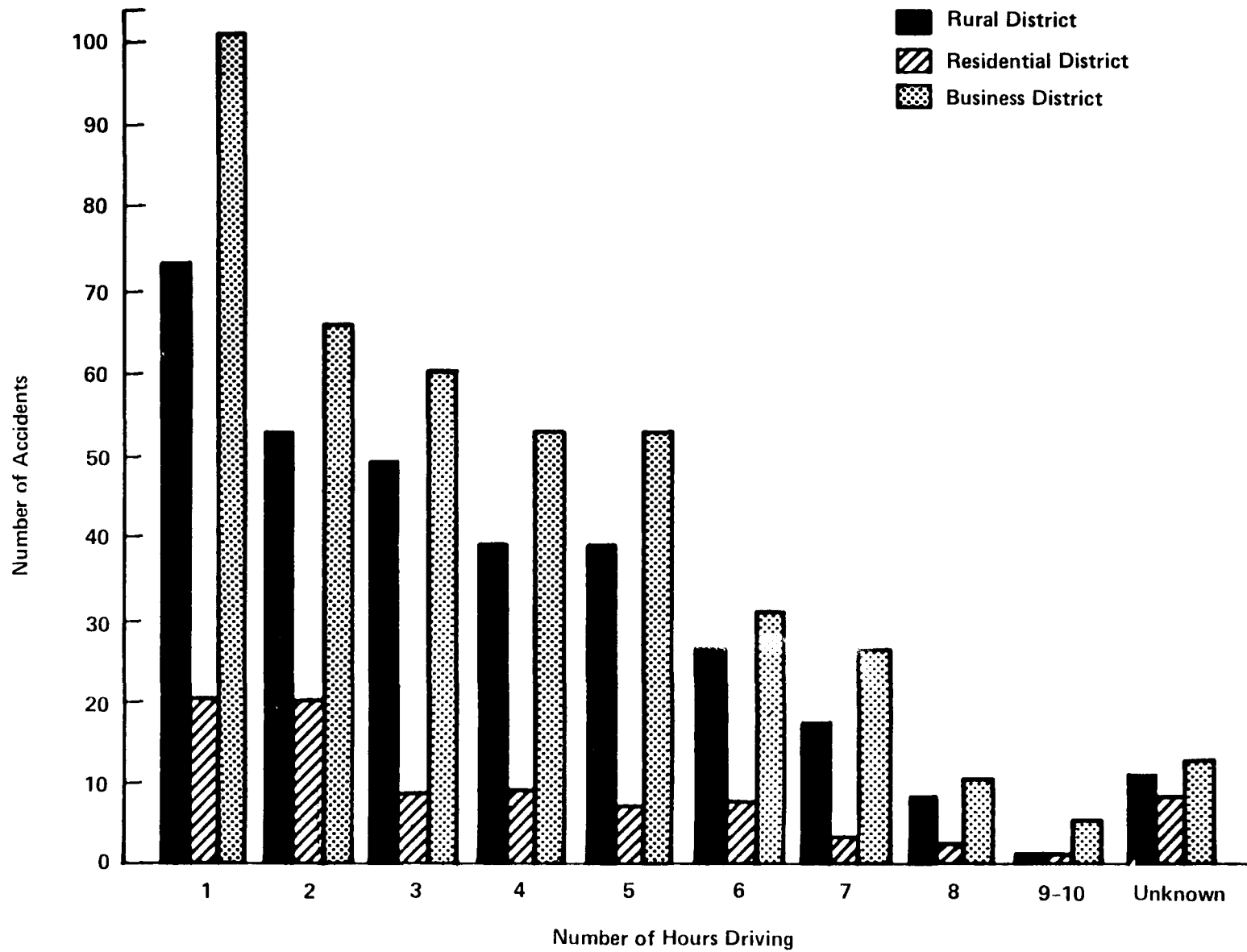


1977

## STATISTICS BY HOURS DRIVING AND TYPE OF DISTRICT

DRIVING HOURS SINCE REST	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
1 HOUR												
RURAL .....	73	0	15	0	0	3	146	8	52	11	213	\$465
RESIDENTIAL .....	20	0	3	0	0	0	15	1	10	1	28	72
BUSINESS .....	101	0	10	0	10	0	77	5	63	5	160	392
TOTAL .....	194	0	28	0	10	3	238	14	125	17	401	930
2 HOURS												
RURAL .....	53	0	5	0	1	0	59	11	50	11	115	247
RESIDENTIAL .....	20	0	2	0	0	0	26	1	12	1	40	41
BUSINESS .....	66	0	4	0	0	0	80	2	68	2	152	232
TOTAL .....	139	0	11	0	1	0	165	14	130	14	307	520
3 HOURS												
RURAL .....	49	1	2	0	0	2	80	2	43	5	125	244
RESIDENTIAL .....	8	0	0	0	0	0	1	0	7	0	8	17
BUSINESS .....	60	0	2	0	0	0	18	5	37	5	57	142
TOTAL .....	117	1	4	0	0	2	99	7	87	10	190	403
4 HOURS												
RURAL .....	39	0	2	0	0	0	39	16	29	16	70	186
RESIDENTIAL .....	9	0	0	0	0	0	5	0	3	0	8	34
BUSINESS .....	53	0	5	0	0	0	98	4	41	4	144	161
TOTAL .....	101	0	7	0	0	0	142	20	73	20	222	381
5 HOURS												
RURAL .....	40	0	5	0	0	0	55	6	22	6	82	183
RESIDENTIAL .....	8	0	1	0	0	0	4	1	8	1	13	41
BUSINESS .....	54	0	8	0	1	0	110	1	53	1	172	180
TOTAL .....	102	0	14	0	1	0	169	8	83	8	267	404
6 HOURS												
RURAL .....	27	0	5	0	0	2	57	6	20	8	82	227
RESIDENTIAL .....	8	0	0	0	4	0	5	0	6	0	15	13
BUSINESS .....	31	0	4	0	0	0	32	0	19	0	55	73
TOTAL .....	66	0	9	0	4	2	94	6	45	8	152	313
7 HOURS												
RURAL .....	18	0	4	0	0	0	26	2	12	2	42	172
RESIDENTIAL .....	4	0	0	0	0	0	9	0	2	0	11	25
BUSINESS .....	27	0	4	0	0	1	80	1	25	2	109	140
TOTAL .....	49	0	8	0	0	1	115	3	39	4	162	337
8 HOURS												
RURAL .....	9	0	2	0	0	1	53	1	30	2	85	54
RESIDENTIAL .....	3	0	0	0	0	0	1	0	1	0	2	17
BUSINESS .....	11	0	3	0	0	0	11	0	4	0	18	19
TOTAL .....	23	0	5	0	0	1	65	1	35	2	105	91
9 HOURS												
RURAL .....	1	0	0	0	0	0	2	0	1	0	3	3
RESIDENTIAL .....	4	0	0	0	0	0	2	1	1	1	3	30
BUSINESS .....	4	0	0	0	0	0	2	1	1	1	3	30
TOTAL .....	9	0	0	0	0	0	4	1	2	1	6	32
10 HOURS												
RURAL .....	1	0	0	0	0	0	2	0	3	0	5	5
BUSINESS .....	1	0	0	0	0	0	0	1	0	1	0	0
TOTAL .....	2	0	0	0	0	0	2	1	3	1	5	5
DATA NOT GIVEN												
RURAL .....	11	2	2	0	0	0	64	0	4	2	70	58
RESIDENTIAL .....	8	0	0	0	0	0	3	0	5	0	8	22
BUSINESS .....	13	0	2	0	0	0	22	0	10	0	34	82
TOTAL .....	32	2	4	0	0	0	89	0	19	2	112	161
TOTAL												
RURAL .....	320	3	42	0	1	8	581	52	265	63	889	1,842
RESIDENTIAL .....	89	0	6	0	4	0	71	3	55	3	136	284
BUSINESS .....	421	0	42	0	11	1	530	20	321	21	904	1,451
TOTAL .....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

# ACCIDENTS BY NUMBER OF HOURS DRIVING AND TYPE DISTRICT

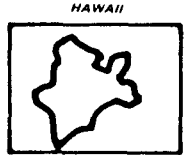
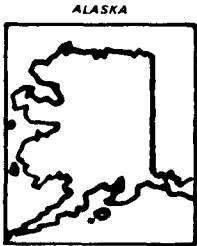
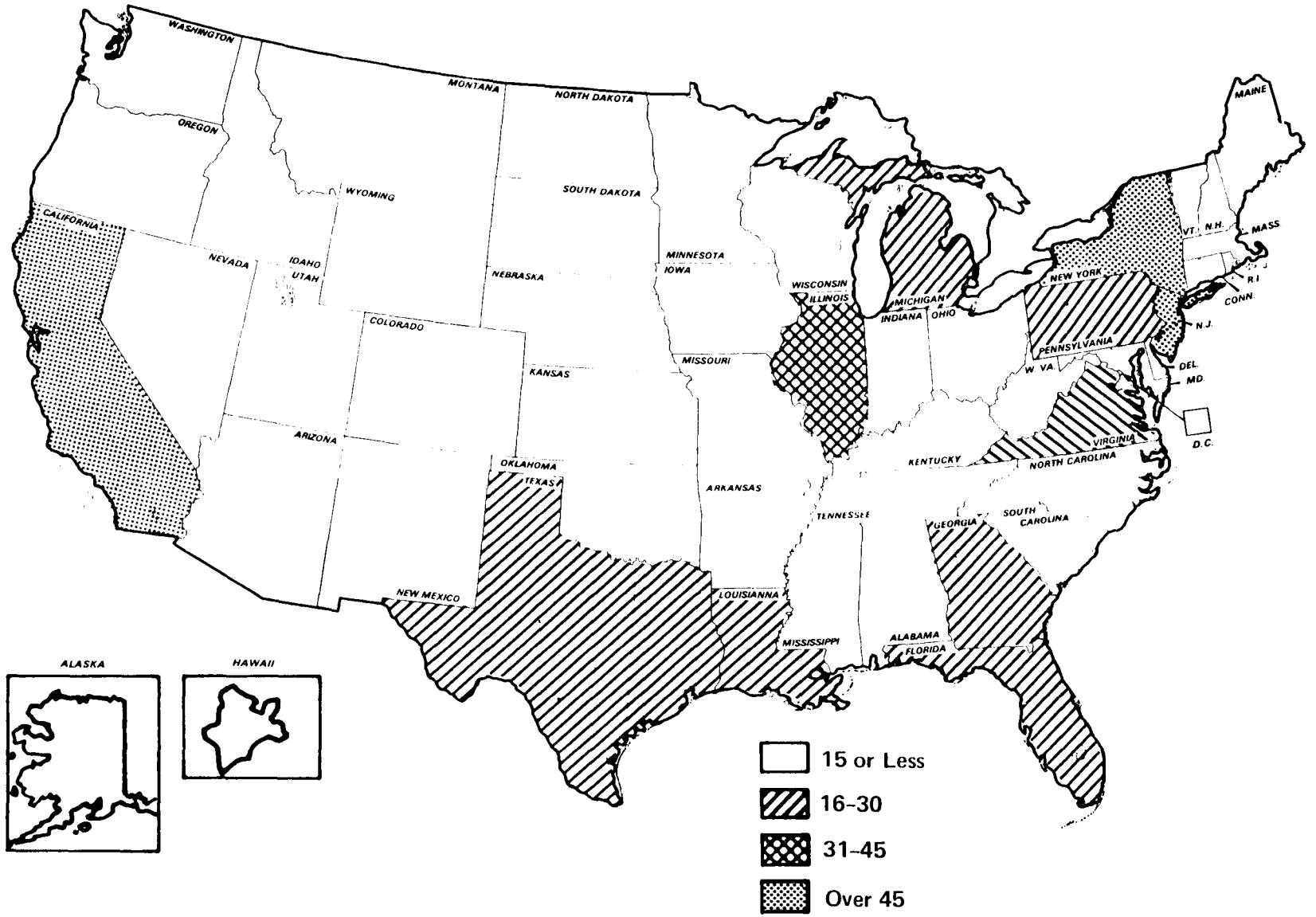




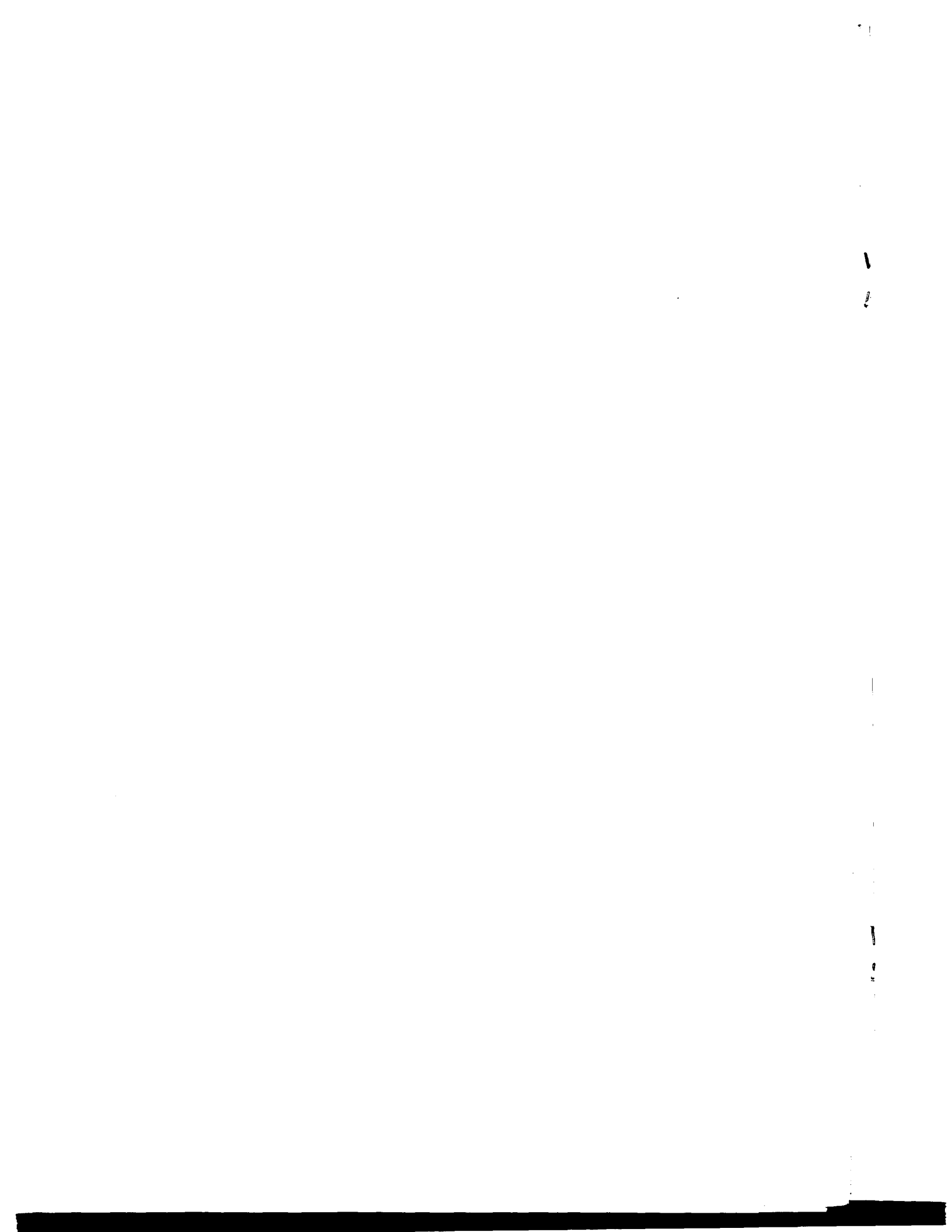
1977

## STATISTICS BY STATE

ACCIDENT LOCATOR STATE	ACCI-DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOUSANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
ALABAMA.....	8	0	0	0	0	0	3	1	5	1	8	\$98.5
ALASKA.....	2	0	0	0	0	0	0	1	0	1	0	11.0
ARIZONA.....	7	0	0	0	0	0	3	0	6	0	9	33.4
ARKANSAS.....	9	0	1	0	0	0	6	3	11	3	18	22.8
CALIFORNIA.....	62	0	6	0	0	0	66	6	61	6	133	266.0
COLORADO.....	8	0	2	0	0	0	23	1	5	1	30	75.6
CONNECTICUT.....	10	0	3	0	1	0	44	1	3	1	51	76.6
DELAWARE.....	3	0	0	0	0	0	1	0	2	0	3	8.2
FLORIDA.....	25	0	1	0	0	0	11	1	15	1	27	99.2
DISTRICT OF COLUMBIA	9	0	0	0	0	0	13	0	8	0	21	45.5
GEORGIA.....	21	0	3	0	0	1	51	0	8	1	62	75.9
HAWAII.....	7	0	1	0	0	0	64	0	40	0	105	38.0
IDAHO.....	2	0	0	0	0	0	5	0	1	0	6	4.3
ILLINOIS.....	37	0	3	0	8	1	86	1	26	2	123	255.1
INDIANA.....	15	0	0	0	2	0	31	0	6	0	39	80.3
IOWA.....	3	0	0	0	0	0	2	0	4	0	6	5.6
KANSAS.....	4	0	1	0	0	0	11	2	3	2	15	61.5
KENTUCKY.....	6	0	2	0	0	0	2	0	5	0	9	20.0
LOUISIANA.....	16	0	1	0	0	0	14	2	17	2	32	69.7
MAINE.....	1	0	0	0	0	0	0	0	1	0	1	.0
MARYLAND.....	13	0	1	0	0	0	8	1	11	1	20	46.6
MASSACHUSETTS.....	9	0	0	0	0	0	6	2	2	2	8	35.5
MICHIGAN.....	18	0	3	0	0	2	30	2	13	4	46	68.2
MINNESOTA.....	5	0	0	0	0	0	4	1	4	1	8	38.9
MISSISSIPPI.....	9	0	0	0	0	0	4	0	7	0	11	25.8
MISSOURI.....	11	0	0	0	0	0	33	0	8	0	41	47.4
MONTANA.....	1	0	1	0	0	0	0	0	0	0	1	4.4
NEBRASKA.....	6	0	1	0	0	0	1	2	1	2	3	13.3
NEVADA.....	3	0	0	0	0	0	0	0	5	0	5	6.7
NEW HAMPSHIRE.....	3	0	0	0	0	0	0	0	3	0	3	33.5
NEW JERSEY.....	240	1	32	0	5	1	277	4	159	6	473	751.6
NEW YORK.....	68	0	6	0	0	1	101	7	36	8	143	224.9
NORTH CAROLINA.....	13	0	1	0	0	0	14	5	19	5	34	69.3
OHIO.....	14	0	1	0	0	0	10	0	7	0	18	63.5
OKLAHOMA.....	4	0	0	0	0	0	10	0	2	0	12	7.3
OREGON.....	12	0	1	0	0	0	5	1	5	1	11	31.4
PENNSYLVANIA.....	30	2	3	0	0	0	67	17	12	19	82	172.3
SOUTH CAROLINA.....	9	0	1	0	0	0	4	2	7	2	12	34.6
SOUTH DAKOTA.....	2	0	1	0	0	0	3	1	4	1	8	4.3
TENNESSEE.....	9	0	5	0	0	3	37	2	3	5	45	59.0
TEXAS.....	23	0	3	0	0	0	36	3	10	3	49	110.8
UTAH.....	7	0	2	0	0	0	2	2	31	2	35	34.9
VERMONT.....	1	0	0	0	0	0	17	0	0	0	17	.1
VIRGINIA.....	26	0	0	0	0	0	11	2	29	2	40	61.8
WASHINGTON.....	7	0	0	0	0	0	23	2	5	2	28	103.0
WEST VIRGINIA.....	11	0	1	0	0	0	31	0	13	0	45	25.4
WISCONSIN.....	13	0	2	0	0	0	3	0	16	0	21	116.4
WYOMING.....	3	0	0	0	0	0	1	0	2	0	3	8.0
OTHER.....	5	0	1	0	0	0	8	0	0	0	9	30.2
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576.5



**THE  
DRIVER**

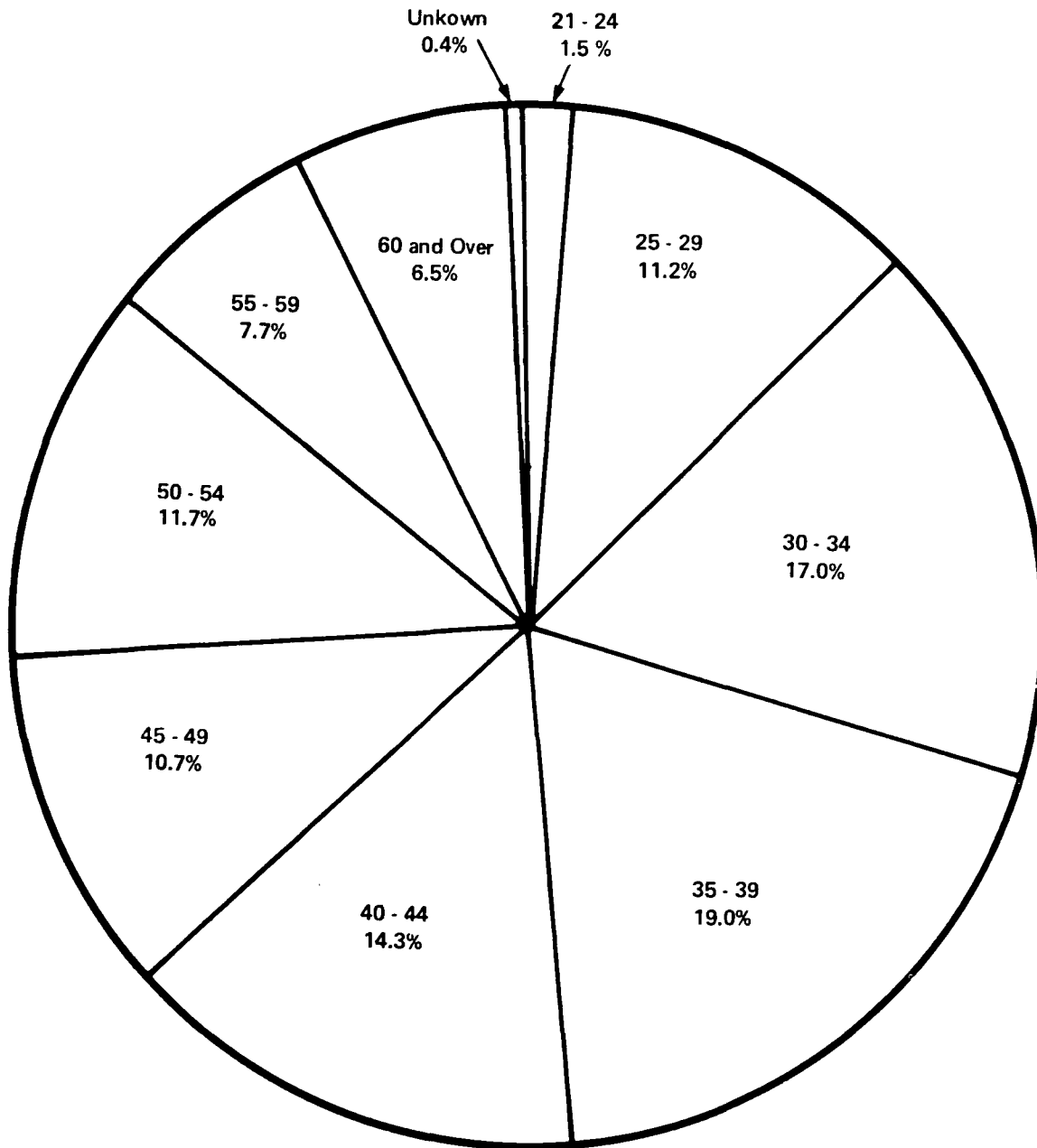


1977

## STATISTICS BY DRIVER AGE

DRIVER AGE	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
21-24.....	12	0	0	0	0	0	7	0	6	0	13	\$18
25-29.....	93	0	14	0	1	2	100	5	57	7	172	485
30-34.....	141	1	14	0	9	1	130	10	97	12	250	560
35-39.....	158	0	18	0	0	1	264	5	146	6	428	641
40-44.....	119	0	14	0	3	0	217	9	115	9	349	506
45-49.....	89	0	8	0	0	4	140	8	60	12	208	363
50-54.....	97	1	9	0	3	0	167	5	71	6	250	444
55-59.....	64	1	9	0	0	0	97	24	48	25	154	299
60 AND OVER.....	54	0	3	0	0	1	58	9	38	10	99	256
UNKNOWN.....	3	0	1	0	0	0	2	0	3	0	6	3
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

### ACCIDENTS BY DRIVER AGE

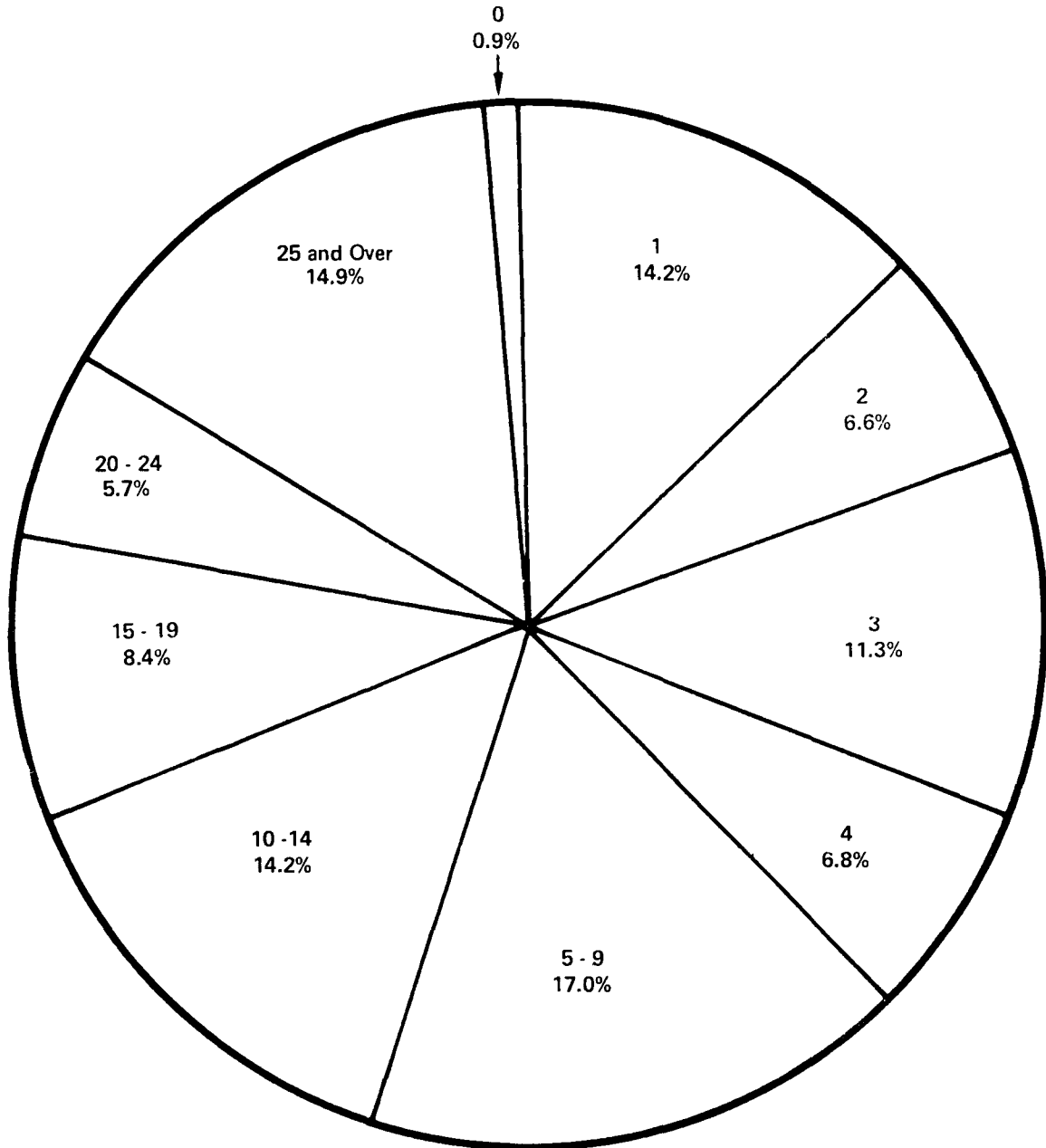


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## STATISTICS BY DRIVER'S YEARS OF SERVICE WITH COMPANY

DRIVER EXPERIENCE YEARS	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
0.....	7	0	1	0	0	0	32	1	4	1	37	\$35
1.....	118	1	20	0	9	2	250	5	87	8	366	641
2.....	55	0	9	0	0	2	78	5	41	7	128	250
3.....	94	0	10	0	1	0	94	8	86	8	191	472
4.....	56	0	5	0	0	0	73	4	42	4	120	260
5-9.....	141	0	13	0	2	0	201	22	109	22	325	489
10-14.....	118	0	9	0	1	0	99	6	97	6	206	432
15-19.....	70	2	5	0	0	1	144	9	51	12	200	307
20-24.....	47	0	7	0	0	3	68	3	25	6	100	192
25 AND OVER.....	124	0	11	0	3	1	143	12	99	13	256	499
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

**ACCIDENTS BY DRIVER YEARS OF SERVICE WITH COMPANY**





1977

## ACCIDENTS BY DRIVER AGE, EXPERIENCE AND TYPE OPERATION

DRIVER AGE	DRIVER EXPERIENCE IN YEARS										TOTAL	
	0	1	2	3	4	5-9	10-14	15-19	20-24	25 AND OVER		
21-24												
CHARTER .....	-	1	-	-	-	-	-	-	-	-	-	1
REGULAR .....	-	9	-	2	-	-	-	-	-	-	-	11
TOTAL .....	-	10	-	2	-	-	-	-	-	-	-	12
25-29												
CHARTER .....	-	10	7	7	4	2	-	-	-	-	-	30
REGULAR .....	1	19	9	17	12	5	-	-	-	-	-	63
TOTAL .....	1	29	16	24	16	7	-	-	-	-	-	93
30-34												
CHARTER .....	-	6	5	7	1	10	1	-	-	-	-	30
REGULAR .....	1	14	19	22	8	40	7	-	-	-	-	111
TOTAL .....	1	20	24	29	9	50	8	-	-	-	-	141
35-39												
CHARTER .....	1	12	1	5	5	8	12	-	-	-	-	44
REGULAR .....	-	16	7	16	10	31	27	6	-	-	-	113
DATA NOT GIVEN .....	-	1	-	-	-	-	-	-	-	-	-	1
TOTAL .....	1	29	8	21	15	39	39	6	-	-	-	158
40-44												
CHARTER .....	1	2	3	2	2	8	4	1	-	-	-	23
REGULAR .....	1	8	-	5	5	20	28	23	6	-	-	96
TOTAL .....	2	10	3	7	7	28	32	24	6	-	-	119
45-49												
CHARTER .....	1	3	1	1	2	1	2	3	1	1	1	16
REGULAR .....	-	4	1	4	3	6	18	15	18	3	3	72
DATA NOT GIVEN .....	-	-	-	1	-	-	-	-	-	-	-	1
TOTAL .....	1	7	2	6	5	7	20	18	19	4	4	89
50-54												
CHARTER .....	-	1	1	-	1	3	1	2	1	7	7	17
REGULAR .....	1	7	-	2	2	3	13	13	16	23	23	80
TOTAL .....	1	8	1	2	3	6	14	15	17	30	30	97
55-59												
CHARTER .....	-	3	-	1	-	3	-	1	1	-	-	9
REGULAR .....	-	-	-	-	1	-	2	4	3	45	45	55
TOTAL .....	-	3	-	1	1	3	2	5	4	45	45	64
60 AND OVER												
CHARTER .....	-	1	1	2	-	1	2	-	-	2	2	9
REGULAR .....	-	-	-	-	-	-	-	2	1	42	42	45
TOTAL .....	-	1	1	2	-	1	2	2	1	44	44	54
UNKNOWN												
REGULAR .....	-	1	-	-	-	-	1	-	-	1	1	3
TOTAL .....	-	1	-	-	-	-	1	-	-	1	1	3
TOTAL												
CHARTER .....	3	39	19	25	15	36	22	7	3	10	10	179
REGULAR .....	4	78	36	68	41	105	96	63	44	114	114	649
DATA NOT GIVEN .....	-	1	-	1	-	-	-	-	-	-	-	2
TOTAL .....	7	118	55	94	56	141	118	70	47	124	124	830

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## COLLISION/NCN-COLLISION ACCIDENTS BY DRIVER AGE AND TYPE OPERATION

	DRIVER AGE										TOTAL
	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60 AND OVER	UNKNOWN	
<b>COLLISION</b>											
CHARTER .....	1	28	27	37	21	13	15	5	9	-	156
REGULAR .....	10	57	102	103	82	66	78	47	42	3	590
DATA NOT GIVEN .....	-	-	-	1	-	1	-	-	-	-	2
<b>TOTAL .....</b>	<b>11</b>	<b>85</b>	<b>129</b>	<b>141</b>	<b>103</b>	<b>80</b>	<b>93</b>	<b>52</b>	<b>51</b>	<b>3</b>	<b>748</b>
<b>NCN-COLLISION</b>											
CHARTER .....	-	2	3	7	2	3	2	4	-	-	23
REGULAR .....	1	6	8	10	14	6	2	8	3	-	58
TOTAL .....	1	8	11	17	16	9	4	12	3	-	81
<b>TOTAL .....</b>	<b>12</b>	<b>93</b>	<b>141</b>	<b>158</b>	<b>119</b>	<b>89</b>	<b>97</b>	<b>64</b>	<b>54</b>	<b>3</b>	<b>830</b>

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## COLLISION/NCN-COLLISION ACCIDENTS BY EXPERIENCE WITH COMPANY

	DRIVER EXPERIENCE WITH REPORTING MOTOR CARRIER IN YEARS										TOTAL
	0	1	2	3	4	5-9	10-14	15-19	20-24	25 AND OVER	
<b>COLLISION</b>											
CHARTER .....	2	32	19	21	12	31	22	5	3	9	156
REGULAR .....	4	70	34	65	36	95	87	55	40	104	590
DATA NOT GIVEN .....	-	1	-	1	-	-	-	-	-	-	2
<b>TOTAL .....</b>	<b>6</b>	<b>103</b>	<b>53</b>	<b>87</b>	<b>48</b>	<b>126</b>	<b>109</b>	<b>60</b>	<b>43</b>	<b>113</b>	<b>748</b>
<b>NCN-COLLISION</b>											
CHARTER .....	1	7	-	4	3	5	-	2	-	1	23
REGULAR .....	-	8	2	3	5	9	9	8	4	10	58
TOTAL .....	1	15	2	7	8	14	9	10	4	11	81
<b>TOTAL .....</b>	<b>7</b>	<b>118</b>	<b>55</b>	<b>94</b>	<b>56</b>	<b>141</b>	<b>118</b>	<b>70</b>	<b>47</b>	<b>124</b>	<b>830</b>

**THE  
VEHICLE**



1977  
 STATISTICS BY YEAR OF MANUFACTURE  
 OF REPORTING CARRIER'S VEHICLE

YEAR	ACCIDENTS	FATALI- TIES	INJURIES	PROPERTY DAMAGE (THOU- SANDS)
ACT GIVEN (00).....	9	4	23	\$51
1954.....	2	1	2	5
1955.....	1	0	0	3
1956.....	1	0	5	18
1957.....	1	0	1	0
1959.....	4	0	5	10
1960.....	8	1	49	37
1961.....	7	2	55	30
1962.....	15	18	57	199
1963.....	11	0	22	37
1964.....	12	1	26	49
1965.....	34	1	63	91
1966.....	41	3	85	111
1967.....	41	0	61	114
1968.....	47	2	181	191
1969.....	45	5	103	134
1970.....	63	5	103	245
1971.....	49	4	81	157
1972.....	59	7	139	235
1973.....	64	11	138	469
1974.....	64	13	152	374
1975.....	73	2	164	315
1976.....	145	3	286	513
1977.....	34	4	128	190
TCTAL.....	830	87	1,929	3,576

1977

## STATISTICS BY TYPE OF VEHICLE\*

VEHICLE TYPE	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED	KILLED	INJURED			
BUS.....	810	3	84	0	15	9	1,171	75	627	87	1,897	\$3,508
LIMOUSINE.....	17	0	5	0	1	0	10	0	10	0	26	55
OTHER.....	3	0	1	0	0	0	1	0	4	0	6	14
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

\*REPORTING CARRIER'S VEHICLE

1977

## STATISTICS BY MECHANICAL DEFECTS\*

MECHANICAL DEFECTS	ACCIDENTS	TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
NOT APPLICABLE.....	810	86	1,861	\$3,402
SUSPENSION.....	1	1	0	9
BRAKES.....	11	0	39	80
WHEELS AND TIRES.....	2	0	0	52
STEERING SYSTEM.....	1	0	1	1
OTHER.....	3	0	23	2
DATA NOT GIVEN.....	2	0	5	31
TOTAL.....	830	87	1,929	3,576

\*IN REPORTING CARRIER'S VEHICLE.

NOTE: PRESENCE OF MECHANICAL DEFECTS DOES NOT  
NECESSARILY IMPLY THAT THE DEFECTS CAUSED THE ACCIDENT.

1977

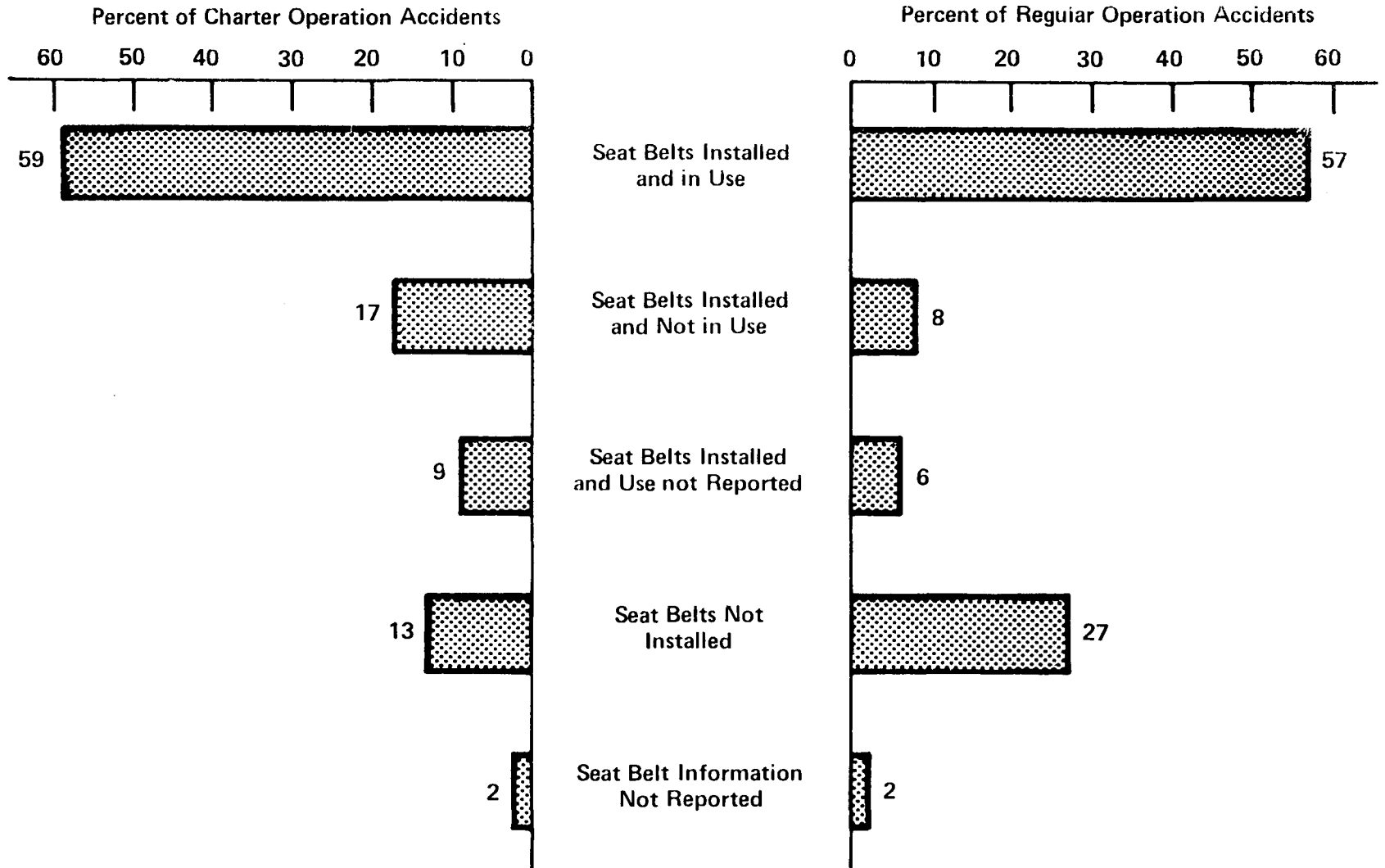
## SEAT BELT INFORMATION BY TYPE OPERATION

DRIVER SEAT BELT INFORMATION	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
SEAT BELTS INSTALLED AND IN USE												
CHARTER.....	105	0	9	0	0	1	255	12	72	13	336	\$627
REGULAR.....	366	2	28	0	2	6	384	30	273	38	687	1,467
DATA NOT GIVEN.....	1	0	0	0	0	0	0	1	0	1	0	4
TOTAL.....	472	2	37	0	2	7	639	43	345	52	1,023	2,098
SEAT BELTS INSTALLED AND NOT IN USE												
CHARTER.....	30	0	8	0	1	1	73	21	18	22	100	206
REGULAR.....	52	0	10	0	8	0	107	3	56	3	181	266
TOTAL.....	82	0	18	0	9	1	180	24	74	25	281	473
SEAT BELTS INSTALLED AND USE NOT REPORTED												
CHARTER.....	17	0	3	0	0	0	63	1	8	1	74	119
REGULAR.....	40	0	5	0	0	1	40	2	22	3	67	218
DATA NOT GIVEN.....	1	0	0	0	0	0	0	0	1	0	1	0
TOTAL.....	58	0	8	0	0	1	103	3	31	4	142	337
SEAT BELTS NOT INSTALLED												
CHARTER.....	24	1	2	0	0	0	67	0	49	1	118	135
REGULAR.....	177	0	22	0	1	0	172	5	124	5	319	448
TOTAL.....	201	1	24	0	1	0	239	5	173	6	437	582
SEAT BELT INFORMATION NOT REPORTED												
CHARTER.....	3	0	0	0	0	0	0	0	6	0	6	6
REGULAR.....	14	0	3	0	4	0	21	0	12	0	40	80
TOTAL.....	17	0	3	0	4	0	21	0	18	0	46	87
TOTAL												
CHARTER.....	179	1	22	0	1	2	458	34	153	37	634	1,093
REGULAR.....	649	2	68	0	15	7	724	40	487	49	1,294	2,479
DATA NOT GIVEN.....	2	0	0	0	0	0	0	1	1	1	1	4
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

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# SEAT BELT USAGE BY TYPE OF OPERATION



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\*Driver of reporting carrier's vehicle only.



**THE  
ACCIDENT  
ITSELF**

1977 STATISTICS BY MOVEMENT OF REPORTING VEHICLE

ACCIDENT CLASSIFICATION VEHICLE 1	ACCIDENTS	TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOUSANDS)
SLOWING-STOPPING.....	65	6	208	\$254
STOPPED.....	96	2	180	373
PARKED.....	8	0	11	31
REAR-END.....	76	1	200	269
BACKING.....	9	0	4	14
MAKING RIGHT TURN...	13	2	33	16
MAKING LEFT TURN....	42	4	55	90
MAKING U-TURN.....	1	0	3	3
PROCEEDING STRAIGHT.	297	40	613	1,231
MERGING.....	3	0	3	1
ENTERING TRAFFIC....	4	0	6	4
INTERSECTION.....	59	2	78	292
PASSING.....	19	0	53	72
CHANGING LANES.....	13	0	13	38
SIDESWIPE.....	3	1	10	21
HEAD-ON.....	2	2	2	27
SKIDDING.....	15	0	98	80
VEHICLE CUT OF				
CONTRCL.....	6	0	30	75
ROLL-AWAY.....	3	0	1	9
CONTROLLED RAILROAD				
CROSSING.....	6	1	6	16
UNCONTROLLED				
RAILROAD CROSSING.	1	0	1	6
OTHER.....	5	1	6	26
NOT APPLICABLE.....	84	25	315	629
TOTAL.....	830	87	1,929	3,576

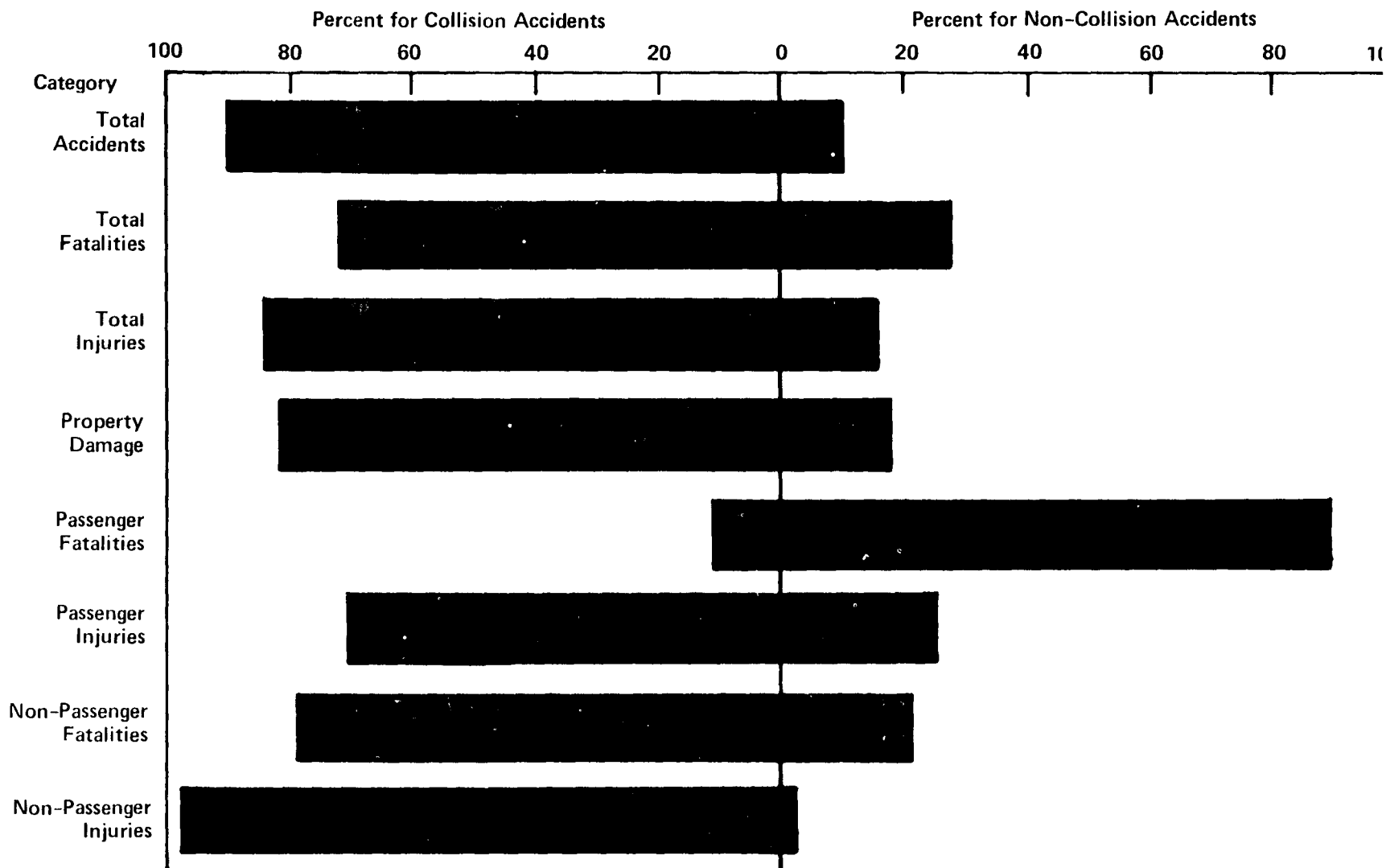
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## ACCIDENT STATISTICS BY COLLISION OBJECT

OBJECT	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
*NOT APPLICABLE.....	81	1	12	0	1	8	299	15	1	24	313	\$629
COMMERCIAL TRUCK.....	99	2	21	0	3	1	280	1	46	4	350	750
FIXED OBJECT.....	24	0	5	0	9	0	52	0	24	0	90	149
AUTOMOBILE.....	468	0	43	0	2	0	440	37	432	37	917	1,569
PEDESTRIAN.....	51	0	0	0	0	0	1	16	34	16	35	4
BUS.....	26	0	3	0	0	0	58	0	42	0	103	147
TRAIN.....	2	0	0	0	0	0	0	0	0	0	0	8
BICYCLIST.....	17	0	0	0	0	0	0	1	16	1	16	13
ANIMAL.....	7	0	0	0	0	0	3	0	0	0	3	24
MOTORCYCLE.....	6	0	0	0	0	0	0	0	5	0	5	26
OTHER.....	49	0	6	0	1	0	49	5	41	5	97	257
TOTAL.....	830	3	90	0	16	9	1,182	75	641	87	1,929	3,576

\*NOT APPLICABLE REFERS TO NON-COLLISION ACCIDENTS.

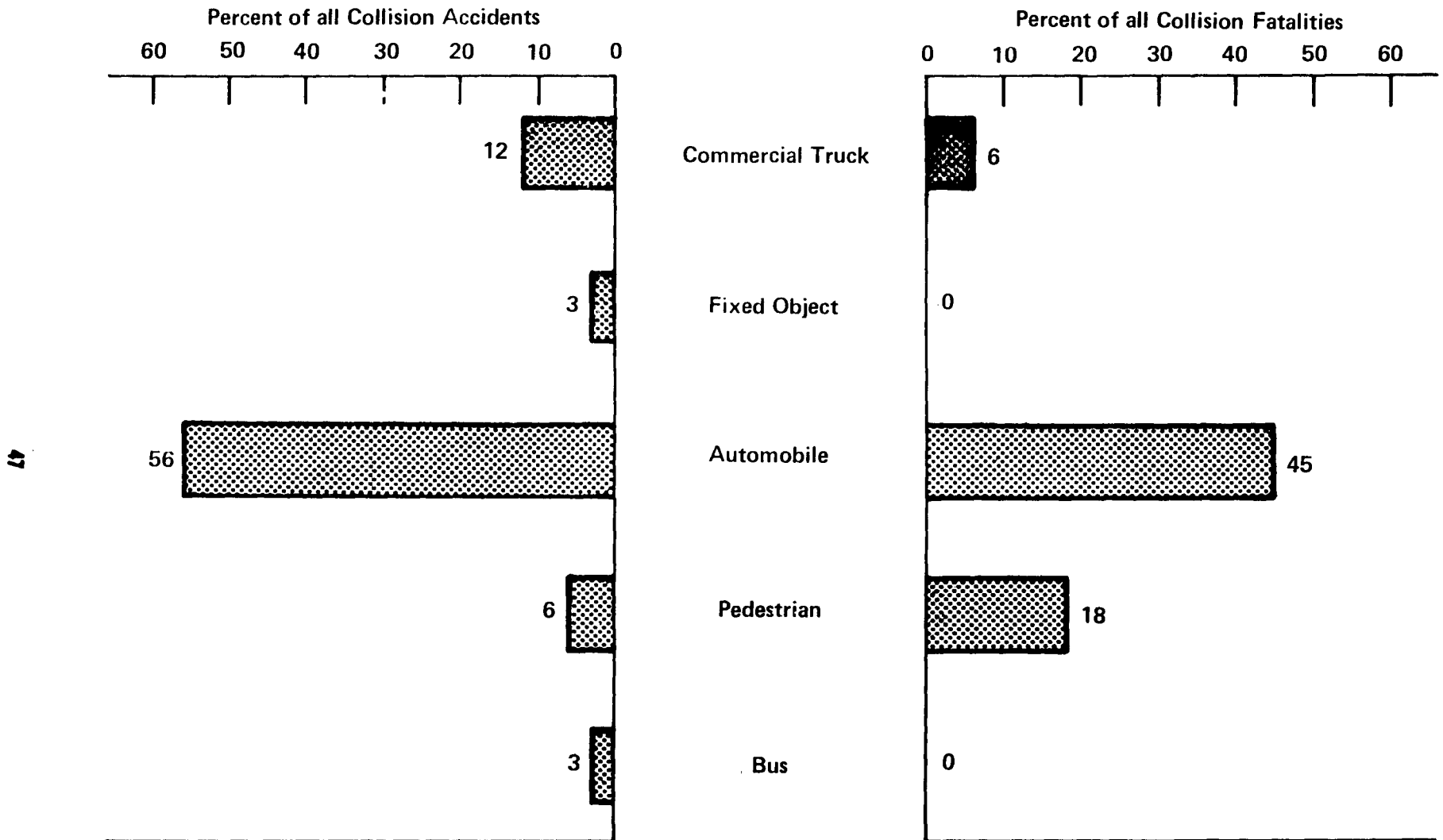
### STATISTICS BY CATEGORY FOR COLLISION AND NON-COLLISION ACCIDENTS\*



\*Stated as a percentage of grand total for each category.

Note: Non-passengers are the reporting carriers driver, other carrier personnel, occupant of other vehicle and pedestrians.

# SELECTED COLLISION OBJECTS



1977

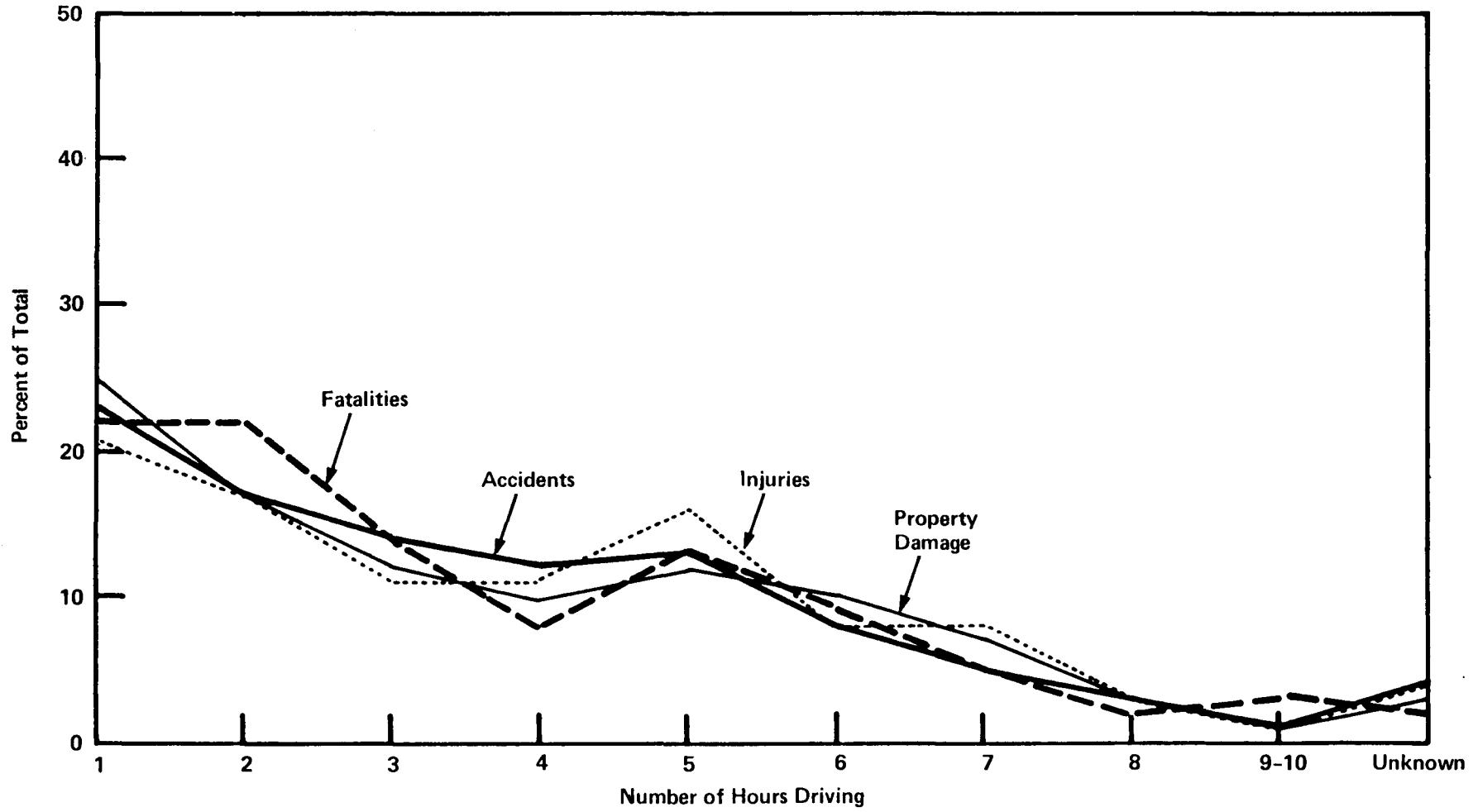
## COLLISION ACCIDENT STATISTICS BY HOURS OF DRIVING

DRIVING HOURS SINCE REST*	ACCI-DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOUSANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
1 HOUR.....	173	0	22	0	10	0	177	14	125	14	334	\$749
2 HOURS.....	125	0	9	0	0	0	136	14	130	14	275	488
3 HOURS.....	108	1	4	0	0	1	79	7	87	9	170	355
4 HOURS.....	90	0	7	0	0	0	101	5	73	5	181	298
5 HOURS.....	97	0	14	0	1	0	153	8	83	8	251	353
6 HOURS.....	61	0	7	0	4	0	81	6	45	6	137	279
7 HOURS.....	42	0	7	0	0	0	90	3	39	3	136	216
8 HOURS.....	20	0	4	0	0	0	15	1	35	1	54	75
9 HOURS.....	4	0	0	0	0	0	3	1	2	1	5	32
10 HOURS.....	2	0	0	0	0	0	2	1	3	1	5	5
DATA NOT GIVEN.....	27	1	4	0	0	0	46	0	18	1	68	98
TOTAL.....	749	2	78	0	15	1	883	60	640	63	1,616	2,947

\* REPORTING CARRIER'S DRIVER



### COLLISION ACCIDENT STATISTICS BY HOURS OF DRIVING



1977

## NON-COLLISION ACCIDENT STATISTICS BY HOURS OF DRIVING

DRIVING HOURS SINCE REST	ACCI-DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOUSANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
RAN OFF ROAD												
1 HOUR.....	9	0	6	0	0	3	49	0	0	3	55	\$131
2 HOURS.....	6	0	2	0	1	0	21	0	0	0	24	29
3 HOURS.....	4	0	0	0	0	1	15	0	0	1	15	48
4 HOURS.....	5	0	0	0	0	0	36	15	0	15	36	39
5 HOURS.....	2	0	0	0	0	0	14	0	0	0	14	6
6 HOURS.....	2	0	1	0	0	2	3	0	0	2	4	30
7 HOURS.....	2	0	0	0	0	0	9	0	0	0	9	41
8 HOURS.....	1	0	0	0	0	1	29	0	0	1	29	16
DATA NOT GIVEN.....	4	1	0	0	0	0	42	0	1	1	43	64
TOTAL.....	35	1	9	0	1	7	218	15	1	23	229	403
OTHER NON-COLLISION ACCIDENTS												
1 HOUR.....	12	0	0	0	0	0	12	0	0	0	12	50
2 HOURS.....	8	0	0	0	0	0	8	0	0	0	8	2
3 HOURS.....	5	0	0	0	0	0	5	0	0	0	5	0
4 HOURS.....	6	0	0	0	0	0	5	0	0	0	5	44
5 HOURS.....	3	0	0	0	0	0	2	0	0	0	2	45
6 HOURS.....	3	0	1	0	0	0	10	0	0	0	11	5
7 HOURS.....	5	0	1	0	0	1	16	0	0	1	17	80
8 HOURS.....	2	0	1	0	0	0	21	0	0	0	22	0
9 HOURS.....	1	0	0	0	0	0	1	0	0	0	1	0
DATA NOT GIVEN.....	1	0	0	0	0	0	1	0	0	0	1	0
TOTAL.....	46	0	3	0	0	1	81	0	0	1	84	226

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## COLLISION/NON-COLLISION ACCIDENT STATISTICS INVOLVING FIRE

	ACCI- DENTS	OCCUPANTS OF REPORTING CARRIER'S VEHICLE						OTHERS		TOTAL KILLED	TOTAL INJURED	PROPERTY DAMAGE (THOU- SANDS)
		DRIVERS		OTHER PERSONNEL		PASSENGERS		KILLED	INJURED			
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED					
NON-COLLISION.....	5	0	0	0	0	0	1	0	0	1	\$141	
COLLISION.....	7	0	0	0	0	0	6	1	12	18	42	
TOTAL.....	12	0	0	0	0	0	7	1	12	19	183	

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THE TABLE BELOW COMPARES ALL REPORTED BUS ACCIDENTS WITH THOSE ACCIDENTS INVOLVING FIRE.

	ALL ACCIDENTS		ACCIDENTS INVOLVING FIRE	
	NUMBER	RATE*	NUMBER	RATE*
ACCIDENTS	830	-	12	-
FATALITIES	87	10.5	1	8.3
INJURIES	1,929	2.3	19	1.6
PROPERTY DAMAGE	\$3,576,000	\$4,300	\$183,000	\$15,200

\*PER ACCIDENT FOR INJURIES AND PROPERTY DAMAGE, PER 100 ACCIDENTS FOR FATALITIES.















