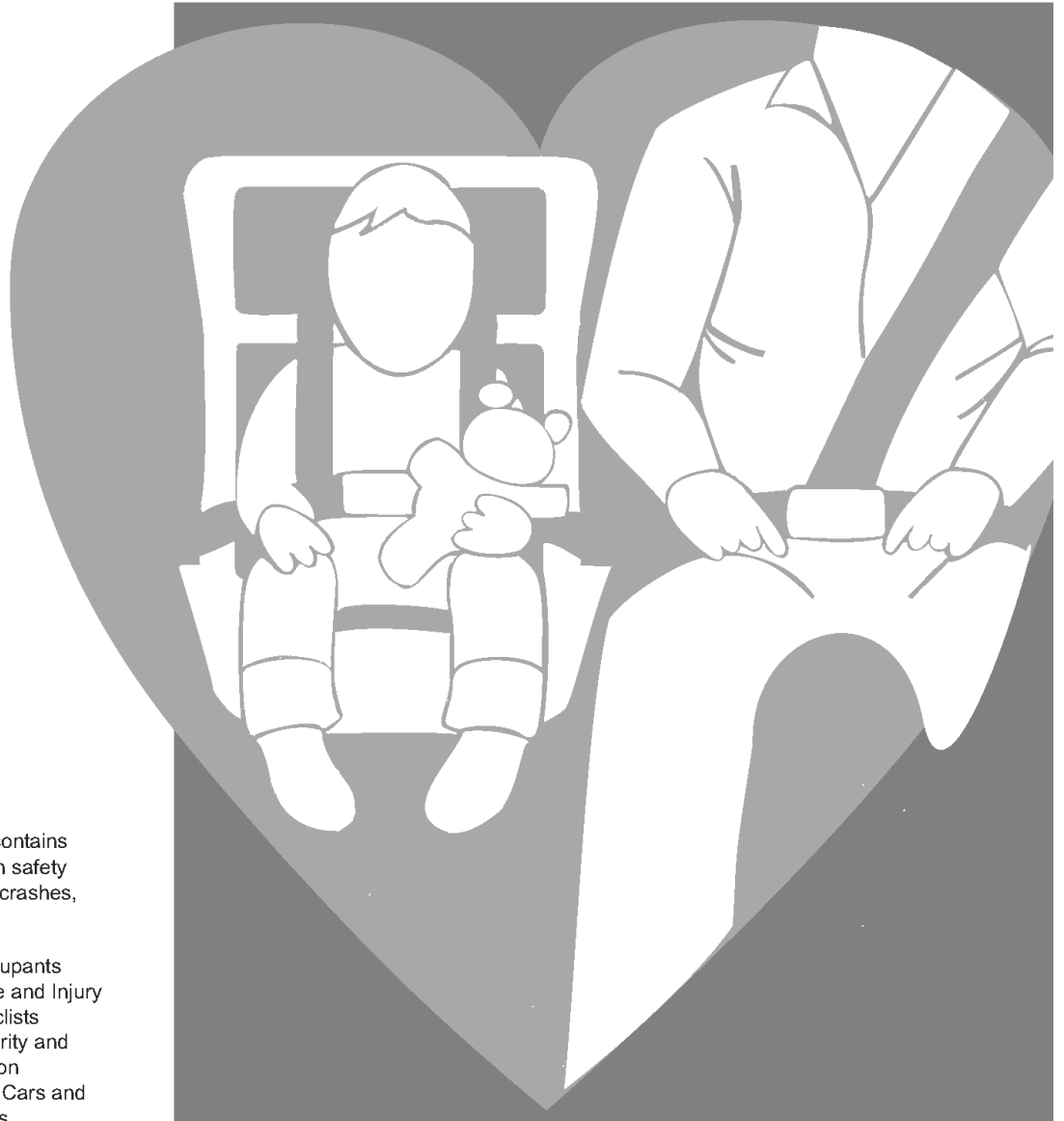


VII. SAFETY EQUIPMENT



This section contains information on safety equipment in crashes, including:

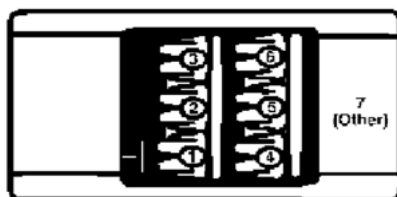
- Age of Occupants
- Helmet Use and Injury to Motorcyclists
- Injury Severity and Seat Position
- Passenger Cars and Light Trucks

Safety Equipment Use in Passenger Cars by Injury Severity and Seat Position

	Seat Position by Safety Equipment Use												TOTAL			
	1		2		3		4		5		6				7	
Injury Severity	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Not Injured	91,782	2,378	280	21	21,504	628	6,379	183	1,956	86	7,658	219	1,910	74	131,469	3,589
Incapacitating	1,182	395	4	5	284	133	44	23	10	12	58	36	5	9	1,587	613
Nonincapacitating	5,624	903	15	3	1,454	358	241	64	69	30	315	77	55	23	7,773	1,458
Possible	12,662	770	37	6	3,272	297	650	57	176	35	787	103	176	14	17,760	1,282
Killed	93	111	0	0	24	28	3	3	1	1	4	5	1	4	126	152
TOTAL	111,343	4,557	336	35	26,538	1,444	7,317	330	2,212	164	8,822	440	2,147	124	158,715	7,094

This report counts only those occupants for whom safety equipment use and seat location were recorded on the accident report form.
 Caution: Safety equipment use for many occupants was self-reported. Therefore, these figures may overstate actual use of safety equipment.
 Yes = used safety belts or child safety seat. No = no safety equipment used.

Seating Position



Safety Equipment Use in Passenger Cars in Crashes by Age of Occupant

Age of Occupant	Shoulder & Lap Belt	Lap Belt Only	Shoulder Belt Only	Child Safety Seat	None	TOTAL
1-2	215	17	4	2,242	44	2,522
3	173	20	6	994	19	1,212
4	238	15	2	911	30	1,196
5-9	3,029	160	20	1,694	142	5,045
10-14	4,889	197	23	6	190	5,305
15	1,903	46	14	0	130	2,093
16	5,579	41	24	0	236	5,880
17	6,148	37	27	0	348	6,560
18	6,507	43	17	0	439	7,006
19	5,504	38	17	0	426	5,985
20	4,810	18	11	0	341	5,180
21	4,591	25	13	0	344	4,973
22	4,132	19	14	0	312	4,477
23	4,015	20	15	0	283	4,333
24	3,752	10	4	0	212	3,978
25-34	26,658	82	75	1	1,454	28,270
35-44	20,136	50	60	0	806	21,052
45-54	19,500	43	60	0	565	20,168
55-64	13,724	36	42	0	302	14,104
65-74	7,115	26	17	0	171	7,329
75-84	4,930	7	19	0	92	5,048
85 & over	1,509	4	10	0	40	1,563
Unknown	1,110	19	8	1,225	168	2,530
TOTAL	150,167	973	502	7,073	7,094	165,809

This report counts only those occupants for whom safety equipment use and seat location were recorded on the accident report form.
 Caution: Safety equipment use for many occupants was self-reported. Therefore, these figures may overstate actual use of safety equipment.

Safety Equipment Use in Light Trucks by Injury Severity and Seat Position

	Seat Position by Safety Equipment Use												TOTAL			
	1		2		3		4		5		6				7	
Injury Severity	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Not Injured	16,525	593	216	33	3,485	134	517	10	231	12	705	19	77	4	21,756	805
Incapacitating	160	119	4	4	30	40	1	4	1	1	5	2	0	1	201	171
Nonincapacitating	837	237	14	13	201	83	19	3	6	3	28	11	0	0	1,105	350
Possible	1,473	143	28	10	350	42	34	8	20	3	41	3	5	2	1,951	211
Killed	19	48	0	0	4	6	0	1	0	0	0	0	0	1	23	56
TOTAL	19,014	1,140	262	60	4,070	305	571	26	258	19	779	35	82	8	25,036	1,593

This report counts only those occupants for whom safety equipment use and seat location were recorded on the accident report form.

Caution: Safety equipment use for many occupants was self-reported. Therefore, these figures may overstate actual use of safety equipment.

Yes = used safety belts or child safety seat. No = no safety equipment used.

Safety Equipment Use in Light Trucks in Crashes by Age of Occupant

Age of Occupant	Shoulder & Lap Belt	Lap Belt Only	Shoulder Belt Only	Child Safety Seat	None	TOTAL
1-2	19	1	0	159	3	182
3	7	1	1	89	0	98
4	12	4	1	85	4	106
5-9	350	25	2	169	17	563
10-14	517	25	3	1	30	576
15	266	11	0	0	32	309
16	716	13	0	0	59	788
17	782	19	2	0	69	872
18	740	10	0	0	63	813
19	626	9	4	0	60	699
20	491	4	2	0	55	552
21	544	7	1	0	79	631
22	563	7	2	0	52	624
23	484	6	2	0	47	539
24	461	4	1	0	59	525
25-34	4,095	29	11	0	347	4,482
35-44	4,073	18	7	0	224	4,322
45-54	4,566	14	14	0	184	4,778
55-64	2,854	13	7	0	96	2,970
65-74	1,289	4	1	0	47	1,341
75-84	464	3	1	0	28	496
85 & over	83	0	2	0	8	93
Unknown	138	6	1	95	30	270
TOTAL	24,140	233	65	598	1,593	26,629

This report counts only those occupants for whom safety equipment use and seat location were recorded on the accident report form.

Caution: Safety equipment use for many occupants was self-reported. Therefore, these figures may overstate actual use of safety equipment.

Passenger Car and Light Truck Occupants for Whom Airbag Deployed in Crash Manner of Collision by Injury Severity

Manner of Collision	Injury Severity					TOTAL
	Killed	Incapacitating	Nonincapacitating	Possible	Not Injured	
Angle	36	358	1,496	2,154	4,074	8,118
No collision w/ vehicle in transit	76	456	1,359	1,182	3,198	6,271
Rear end	14	111	531	692	2,304	3,652
Head on	46	172	332	320	430	1,300
Side swipe / opposite direction	10	57	138	170	364	739
Side swipe / same direction	2	27	110	135	385	659
Rear to rear	0	0	1	3	12	16
Unknown	1	5	9	16	42	73
TOTAL	185	1,186	3,976	4,672	10,809	20,828

This table does not take into account whether the person was using a safety belt at the time of the crash.

Safety Equipment Use on Motorcycles by injury Severity and Seat Position

Injury Severity	Seat Position by Safety Equipment Use									
	Driver					Passenger				
	Helmet Worn	Eye Protection	None	Unknown	Total	Helmet Worn	Eye Protection	None	Unknown	Total
Not Injured	149	116	71	73	409	20	13	8	2	43
Incapacitating	166	219	106	25	516	22	33	23	3	81
Nonincapacitating	379	398	180	23	980	42	47	18	5	112
Possible	183	129	69	19	400	20	20	10	3	53
Killed	26	27	17	4	74	1	7	0	0	8
TOTAL	903	889	443	144	2,379	105	120	59	13	297

Injury Severity	Seat Position by Safety Equipment Use									
	Side Car					TOTAL				
	Helmet Worn	Eye Protection	None	Unknown	Total	Helmet Worn	Eye Protection	None	Unknown	Total
Not Injured	0	1	0	0	1	169	130	79	75	453
Incapacitating	0	1	0	0	1	188	253	129	28	598
Nonincapacitating	2	0	0	1	3	423	445	198	29	1,095
Possible	1	1	0	0	2	204	150	79	22	455
Killed	0	0	0	0	0	27	34	17	4	82
TOTAL	3	3	0	1	7	1,011	1,012	502	158	2,683

This report counts only those motorcyclists for whom seat location was recorded on the accident report form.

Motorcyclists Injured by Age and Seat Position by Safety Equipment Use and Gender

Age	Driver						Passenger on Motorcycle						Motorcycle Passenger in Side Car													
	Helmet Only		Helmet & Eye Protection		Eye Protection Only		No Protection		Use Unknown		Helmet Only		Helmet & Eye Protection		Eye Protection Only		No Protection		Use Unknown							
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M				
14 & under	0	1	0	0	0	0	1	0	0	3	4	2	1	0	0	0	0	2	0	0	0	0	0	0	0	
15-20	1	23	3	53	0	24	0	19	0	5	0	7	0	4	0	4	2	0	0	0	0	0	0	0	0	
21-24	3	32	7	53	4	56	2	24	0	9	1	5	0	4	0	4	0	3	2	0	0	1	0	0	0	
25-34	5	41	4	68	9	120	2	62	0	13	1	4	1	16	0	12	0	4	0	0	0	1	0	0	0	
35-44	10	28	12	66	21	146	5	77	3	7	3	4	0	28	1	9	0	4	0	0	0	0	0	0	0	
45-54	8	61	21	83	21	210	9	91	0	21	10	0	14	0	29	1	10	0	3	0	0	1	0	0	0	
55-64	7	27	3	63	8	104	1	46	1	6	5	0	13	0	14	0	6	0	0	0	0	0	0	0	1	
65-74	0	12	0	28	1	19	0	14	0	2	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	
75 & over	0	1	0	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unknown	0	0	1	0	0	0	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	
TOTALS	34	226	51	417	64	681	20	334	4	63	23	5	54	2	97	2	45	6	11	0	1	0	2	0	0	1

Motorcyclists Killed by Age and Seat Position by Safety Equipment Use and Gender

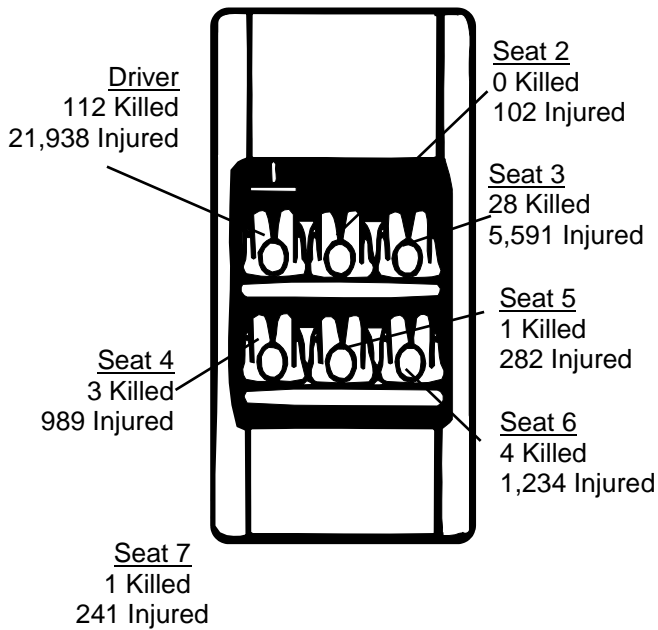
Age	Driver						Passenger on Motorcycle						Motorcycle Passenger in Side Car													
	Helmet Only		Helmet & Eye Protection		Eye Protection Only		No Protection		Use Unknown		Helmet Only		Helmet & Eye Protection		Eye Protection Only		No Protection		Use Unknown							
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M				
14 & under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15-20	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21-24	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-34	0	3	0	2	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	
35-44	0	3	1	1	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	
45-54	0	0	0	1	1	7	0	3	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
55-64	0	3	0	2	0	8	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
65-74	0	2	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
75 & over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTALS	0	13	1	12	2	25	0	17	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

F = female M = male
 This report counts only those motorcyclists for whom seat location and gender were recorded on the MV4000.

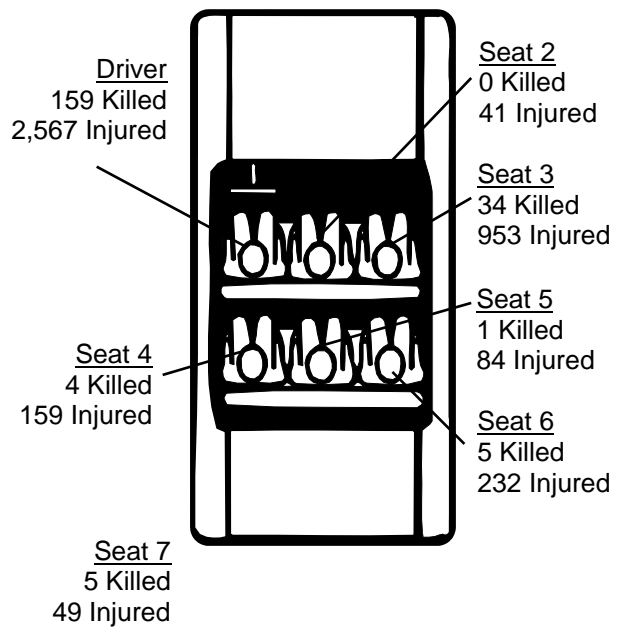
Occupants and Injury Severity by Seating Position and Safety Equipment Use

Passenger Cars and Light Trucks

With Safety Equipment



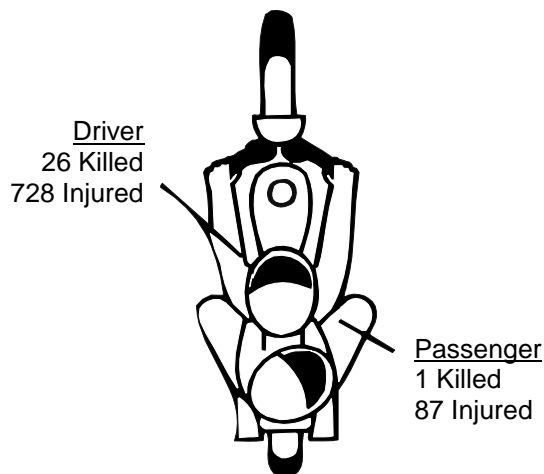
Without Safety Equipment



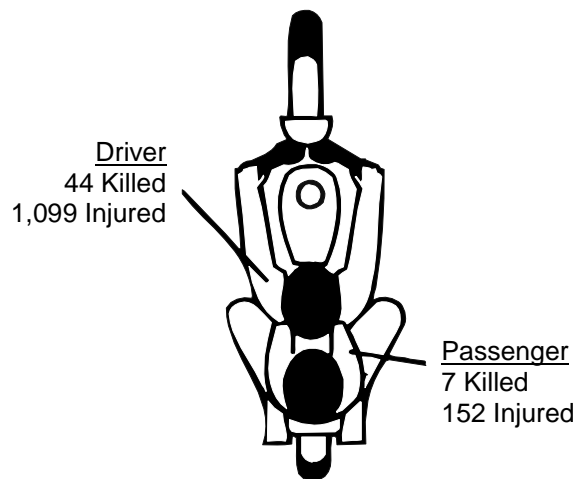
These numbers count only those occupants for whom safety equipment use and seat location were reported on the accident report form. Seat 7 includes miscellaneous seat positions such as third row seats in cars and vans. Note that use of safety equipment is often self-reported on the crash report form and may not reflect actual use.

Motorcycles

With Helmet



Without Helmet



These numbers include only those motorcyclists whose safety equipment use was reported on the crash report form. Use of safety equipment is often self-reported and may not reflect actual use. *Without Helmet* includes those cases where safety equipment was *Eye Protection Only*.