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Trends in Motor Vehicle Traffic Collision Statistics 1988 - 1997

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Preface

This report presents descriptive statistics about Canadian traffic collisions during the ten-year period from 1988 to 1997, focusing specifically on casualty collisions. Casualty collisions are defined as all reportable motor vehicle crashes resulting in fatalities or injuries.

Transport Canada, in cooperation with the Canadian Council of Motor Transport Administrators, acquires vehicle collision data from provincial and territorial agencies and stores this information in its own Traffic Accident Information Database (TRAID). All the traffic collision statistics presented here were derived from this database. The various jurisdictions collect largely similar crash data, but because each jurisdiction has its own collision report forms and reporting procedures and maintains its own data, there cannot be complete data uniformity.

The first section of the report reviews the environmental elements of collisions, including day, time, weather, road attributes, and crash configurations. The second section examines factors related to the vehicles involved in collisions such as vehicle type, vehicle manoeuvre, and vehicle events. Finally, the third section looks at the age, sex, road user category, and other characteristics of the persons involved in vehicle crashes.

All tables in this report present data for the ten-year period from 1988 to 1997, and all tables except Table 1.1 refer to fatality and injury collisions exclusively. A brief discussion of selected ten-year trends or averages is included at the beginning of each section.

Manitoba collision statistics from 1989 are excluded from this report because technical difficulties within the jurisdiction have made the data unavailable. Where necessary, other significant data exclusions are noted below the relevant table.

1. COLLISIONS

This section examines the environmental characteristics of casualty collisions and shows how the frequency and severity of vehicle collisions can be associated with factors such as day, time, weather, speed limits, road attributes, and collision configurations.

All collisions

The following findings relate to all casualty collisions during the years 1988 to 1997:

- The number of fatal collisions decreased from 3,610 in 1988 to 2,647 in 1997, a reduction of 26.7%. Injury collisions declined by 21.0% during the same period, from 190,094 in 1988 to 150,118 in 1997. Fatal crashes accounted for an average of 0.4% of all collisions, while injury-producing crashes averaged 24.1% of all collisions. Collisions resulting in only property damage constituted 75.5% of all motor vehicle crashes. (Table 1.1)
- More fatal collisions happened on Saturday than any other day of the week (an average of 19.3% of fatal crashes over the ten year period). Friday was the peak day for injury collisions (averaging 17.5% of injury-producing collisions). (Table 1.2)
- August was the most common month for fatal collisions in six out of the ten years, while July was the most common month for fatal collisions in the other four years. For injury collisions, August was again the peak month in six out of ten years, but June, July, November, and December were the peak months in the other years. (Tables 1.3, 1.4)
- An average of 17.5% of fatal collisions and 24.2% of injury crashes occurred between 3 p.m. and 6 p.m., the most common time period for both types of collisions. (Table 1.5)
- An average of 44.7% of fatal collisions and 60.9% of injury-producing collisions occurred in daylight. (Table 1.6)
- An average of 77.2% of fatal crashes and 76.2% of injury-producing crashes took place during clear weather conditions. (Table 1.7)
- On average, 52.6% of fatal collisions and 65.7% of injury collisions occurred on straight and level roads. However, for both injury and fatal collisions the proportion of crashes occurring on straight and level roads increased between 1988 and 1997. For example, fatal collisions on straight and level roads rose from 48.7% to 57.9% of all fatal collisions. (Table 1.8)

- The majority of fatal crashes (on average, 53.0%) took place at non-intersection locations. The highest proportion of injury-producing collisions (on average, 35.7%) took place at an intersection of two or more roads. (Table 1.9)
- With respect to crashes where the road classification was known, an average of 34.4% of fatal collisions happened on urban roads and 65.6% on rural roads. Conversely, 71.4% of injury collisions took place on urban roads and 28.6% on rural roads. (Table 1.10)
- The majority of casualty collisions (66.1% of fatal crashes and 60.9% of injury-producing crashes) took place on dry, normal road surfaces. The proportion of collisions that took place on wet, snow-covered, or ice-covered roads was higher for injury collisions than for fatal crashes. For example, an average of 21.7% of injury collisions occurred on wet roads and 12.0% on snow- or ice-covered roads, while an average of 16.2% of fatal collisions occurred on wet roads and 11.2% on snow- or ice-covered roads. (Table 1.11)
- The majority of collisions (averaging 65.8% of fatal crashes and 66.0% of injury collisions) occurred on roads that were in good condition, that is, roads not under repair or having obvious defects, potholes, etc. (Table 1.12)
- On average, 23.9% of fatal collisions and 11.1% of those resulting in injuries occurred on roads with posted speed limits of 80 km/h or more. Injury collisions were most frequent on roads with a speed limit of 50 km/h, where an average of 44.5% of all injury collisions occurred. (Table 1.13)
- An average of 69.6% of fatal collisions and 55.4% of injury collisions took place on roads with no traffic control present. Traffic signals were the reported means of traffic control in 7.9% of fatal collisions and 21.0% of injury-producing crashes. (Tables 1.15, 1.16)
- The most commonly reported crash configurations in fatal collisions were: (1) one motor vehicle hitting an object or person (25.8%); and (2) two motor vehicles hitting head-on (18.4%). The most common crash configurations for injury collisions were: (1) two motor vehicles in a rear-end collision, averaging 22.2% of crashes; and (2) one motor vehicle hitting an object or person, averaging 17.5% of collisions. (Tables 1.17, 1.18)
- During the ten-year period under study, fatal collisions most often involved a single vehicle and injury collisions most often involved two vehicles. For example, single-vehicle occurrences comprised 49.8% of fatal collisions and 31.1% of injury collisions, while two-vehicle collisions made up 42.1% of fatal crashes and 58.9% of injury-producing crashes. (Table 1.19)
- An average of 88.8% of fatal collisions resulted in one person being killed, 8.7% resulted in two fatalities, and 2.5% resulted in three or more persons dying. (Table 1.20)

Single-vehicle and two-vehicle collisions

The following findings compare selected data elements for single-vehicle and two-vehicle casualty collisions during the years 1988 to 1997:

- **Day of Week**

Single-vehicle: Saturday was the day on which crashes occurred most often (an average of 21.7% of fatal collisions and 17.8% of injury collisions). (Table 1.21)

Two-vehicle: Friday was the peak day for fatal collisions in seven out of ten years and for injury collisions during all ten years, with an average of 17.7% of both fatal and injury collisions occurring on a Friday. (Table 1.21)

- **Month**

Single-vehicle: August was the peak month for fatal collisions in five out of the ten years under study, and July in four out of ten years. Injury crashes were most frequent in November (five out of ten years), December (three out of ten years) and August (two out of ten years). (Table 1.22)

Two-vehicle: In seven out of ten years, fatal collisions were most common in August, while in nine out of ten years injury collisions were most frequent in June, July, or August. (Table 1.23)

- **Time of Day**

Single-vehicle: Fatal collisions occurred most often from midnight to 3 a.m. in six out of ten years, with an average of 16.7% of all fatal crashes over ten years happening during this time period. Injury-producing collisions were most common between 3 p.m. and 6 p.m., with an average of 18.1% of total injury collisions happening during those hours. (Table 1.24)

Two-vehicle: Two-vehicle collisions were most common from 3 p.m. to 6 p.m., with an average of 20.4% of fatal collisions and 26.5% of injury collisions occurring in this time period. (Table 1.25)

- **Weather Conditions**

Single-vehicle: An average of 80.3% of fatal collisions and 74.1% of injury collisions took place in clear weather conditions. (Table 1.26)

Two-vehicle: An average of 74.5% of fatal crashes and 77.7% of injury crashes occurred in clear weather conditions. (Table 1.26)

- **Road Classification**

Single-vehicle: In crashes where the road classification was identified, the majority of fatal collisions occurred on rural roads compared to urban roads (62.7% versus 37.3%); however, injury collisions occurred about as often on urban roads (50.7%) as on rural roads (49.3%). (Table 1.27)

Two-vehicle: Among crashes where the road classification was known, urban roads were the location of an average of 31.2% of fatal and 81.3% of injury collisions, while an average of 68.8% of fatal and 18.7% of injury collisions took place on rural roads. (Table 1.27)

- **Posted Speed Limit**

Single-vehicle: On average, 22.8% of fatal collisions took place on roads with a speed limit of 80 km/h, and 22.0% occurred on roads with a speed limit of 50 km/h. The highest proportion of injury collisions (32.0%) took place in areas with a speed limit of 50 km/h. (Table 1.28)

Two-vehicle: The highest proportion of fatal crashes (25.3%) took place in areas with a speed limit of 80 km/h. Most injury collisions (an average of 51.5%) occurred in areas with a speed limit of 50 km/h. (Table 1.29)

- **Vehicle Type**

Single-vehicle: The majority of vehicles involved in single-vehicle collisions were automobiles, averaging 58.7% of all vehicles in fatal crashes and 68.0% of those involved in injury collisions. Light trucks constituted 25.1% of all vehicles in fatal collisions and 20.5% of all vehicles in injury collisions. Large trucks accounted for 5.4% of the vehicles in fatal crashes and 3.0% of the vehicles in injury collisions. (Table 1.30)

Two-vehicle: Fatal collisions most frequently involved a car with another car, but crashes between a car and a light truck increased from 18.3% to 23.7% of fatal two-vehicle collisions from 1988 to 1997. (Table 1.31)

Table 1.1
Motor Vehicle Collisions by Collision Severity

Year	Collision Severity							
	Fatal		Personal Injury		Property Damage		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1988	3,610	0.5	190,094	23.8	604,019	75.7	797,723	100.0
1989	3,526	0.4	183,147	22.8	614,882	76.7	801,555	100.0
1990	3,445	0.4	178,515	22.2	623,052	77.4	805,012	100.0
1991	3,228	0.5	170,693	24.1	535,484	75.5	709,405	100.0
1992	3,073	0.4	169,640	24.6	516,666	74.9	689,379	100.0
1993	3,121	0.5	168,106	24.9	504,323	74.7	675,550	100.0
1994	2,869	0.4	166,780	24.7	505,027	74.9	674,676	100.0
1995	2,854	0.4	164,190	24.8	495,379	74.8	662,423	100.0
1996	2,708	0.4	156,282	24.6	476,422	75.0	635,412	100.0
1997	2,647	0.4	150,118	24.3	465,953	75.3	618,718	100.0

Figure 1.1
Motor Vehicle Collisions by Collision Severity, 1988-1997

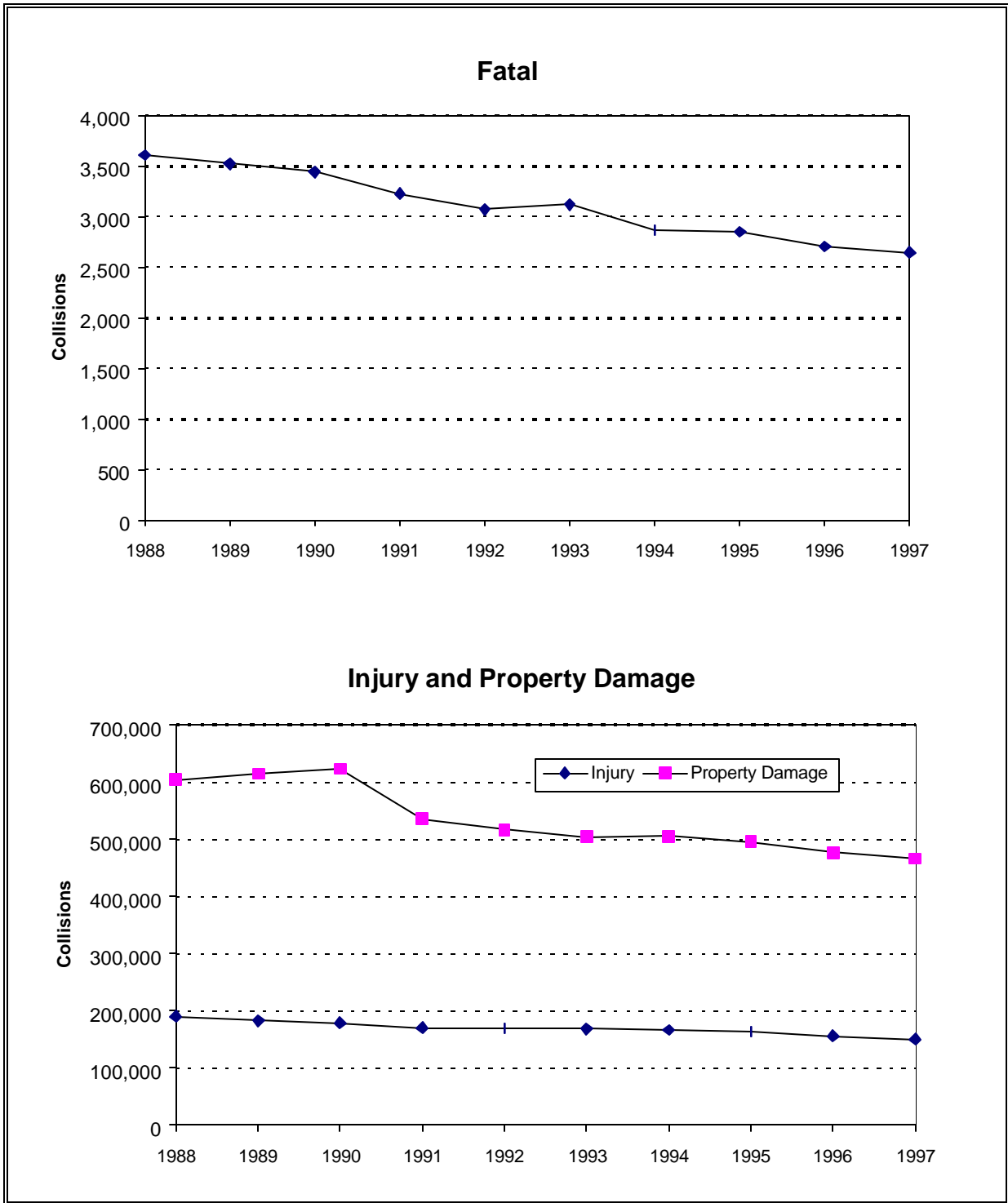


Table 1.2
Fatal and Injury Collisions by Day of the Week

Year	Day of the Week								
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown	Total
Fatal									
1988	579	360	391	407	467	630	775	1	3,610
1989	541	407	349	406	434	661	727	1	3,526
1990	560	396	375	387	491	576	659	1	3,445
1991	520	361	339	390	454	533	630	1	3,228
1992	467	329	369	381	403	526	598	0	3,073
1993	477	348	368	333	421	577	597	0	3,121
1994	432	335	368	351	383	479	512	9	2,869
1995	439	337	343	353	391	480	511	0	2,854
1996	396	341	306	331	376	448	510	0	2,708
1997	385	314	319	342	336	448	503	0	2,647
Injury									
1988	23,381	24,337	25,197	24,860	27,025	34,132	31,157	5	190,094
1989	22,048	23,256	24,529	24,545	27,210	32,791	28,759	9	183,147
1990	21,425	24,088	23,792	23,832	26,310	31,616	27,444	8	178,515
1991	19,926	21,825	23,104	23,486	25,696	30,003	26,640	13	170,693
1992	19,525	21,938	23,068	23,696	26,172	29,768	25,458	15	169,640
1993	20,081	22,186	23,012	23,215	24,908	29,437	25,251	16	168,106
1994	19,154	21,811	22,730	24,385	25,251	28,371	24,851	227	166,780
1995	18,941	21,490	22,765	23,612	24,555	28,503	24,308	16	164,190
1996	17,654	20,838	22,217	21,993	23,444	26,725	23,392	19	156,282
1997	17,060	20,217	21,037	21,731	22,040	25,715	22,303	15	150,118

Figure 1.2
Fatal and Injury Collisions by Day of the Week, 1988, 1993, & 1997

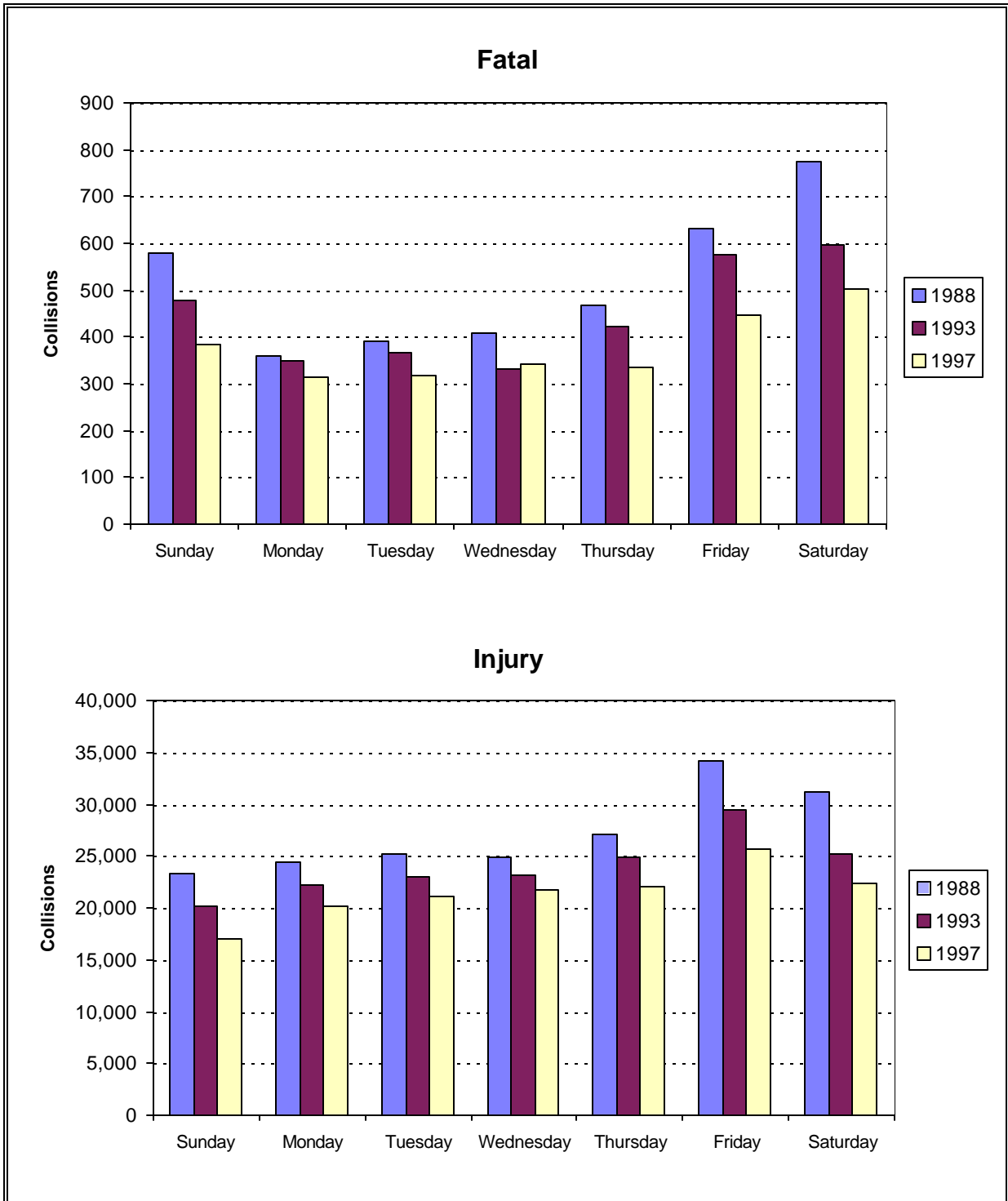


Table 1.3
Fatal Collisions by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
January	212	226	249	213	208	203	209	201	226	189
February	190	202	208	198	196	193	174	180	191	172
March	219	208	218	223	175	193	160	188	184	193
April	238	255	221	196	200	192	182	200	146	166
May	291	268	257	295	252	244	242	233	205	241
June	343	322	339	337	280	276	245	273	226	237
July	420	396	399	319	294	343	302	320	262	250
August	401	399	362	388	344	320	324	304	307	305
September	336	343	342	294	276	289	264	246	234	216
October	355	307	324	271	291	299	297	247	242	236
November	282	283	273	265	280	272	213	219	236	224
December	323	317	253	229	277	297	257	243	249	218
Total	3,610	3,526	3,445	3,228	3,073	3,121	2,869	2,854	2,708	2,647

Table 1.4
Injury Collisions by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
January	14,582	13,322	13,565	13,033	13,652	13,444	15,036	13,232	13,981	13,412
February	13,836	12,078	13,063	10,931	12,824	11,165	12,654	12,397	12,428	10,625
March	12,477	13,071	12,595	11,914	11,097	11,677	11,578	11,416	11,367	11,620
April	13,182	12,118	12,216	11,874	11,667	11,477	11,164	11,299	10,799	9,856
May	15,963	15,331	15,049	14,846	14,209	13,765	13,482	13,238	12,040	12,068
June	17,976	16,812	16,979	16,106	15,285	15,373	15,128	14,785	13,965	13,676
July	18,328	17,004	16,756	15,979	15,649	15,451	14,983	14,361	13,727	13,473
August	18,141	17,002	17,017	16,425	15,658	15,926	14,880	14,901	14,284	13,919
September	16,385	16,340	15,381	14,923	14,581	15,065	14,489	14,314	13,452	12,670
October	16,642	16,098	15,346	15,225	14,961	14,903	14,409	14,183	13,506	13,090
November	15,569	16,487	15,132	14,700	14,716	14,299	14,422	15,237	13,676	13,035
December	17,013	17,484	15,416	14,730	15,335	15,556	14,553	14,822	13,052	12,666
Unknown	0	0	0	7	6	5	2	5	5	8
Total	190,094	183,147	178,515	170,693	169,640	168,106	166,780	164,190	156,282	150,118

Figure 1.3
Fatal and Injury Collisions by Month, 1988, 1993 & 1997



**Table 1.5
Fatal and Injury Collisions by Time of Day**

Year	Time of Day									Total
	Midnight to 3:00 a.m.	3:00 a.m. to 6:00 a.m.	6:00 a.m. to 9:00 a.m.	9:00 a.m. to Noon	Noon to 3:00 p.m.	3:00 p.m. to 6:00 p.m.	6:00 p.m. to 9:00 p.m.	9:00 p.m. to Midnight	Unknown Time of Day	
Fatal										
1988	489	313	301	340	424	610	574	518	41	3,610
1989	447	247	318	331	460	648	560	478	37	3,526
1990	414	252	304	344	437	616	565	475	38	3,445
1991	428	248	265	321	445	579	509	396	37	3,228
1992	375	227	255	295	445	522	520	396	38	3,073
1993	384	222	296	303	399	542	500	437	38	3,121
1994	369	189	260	313	416	504	412	373	33	2,869
1995	359	216	229	287	394	490	459	377	43	2,854
1996	285	248	237	295	379	446	406	371	41	2,708
1997	303	217	230	291	334	485	358	396	33	2,647
Injury										
1988	13,398	6,563	19,088	22,580	32,437	45,104	29,601	19,695	1,628	190,094
1989	11,960	5,916	19,261	22,522	31,483	44,221	28,002	18,208	1,574	183,147
1990	11,653	5,831	18,219	21,803	31,051	42,841	27,366	17,905	1,846	178,515
1991	11,100	5,376	16,625	21,113	30,434	41,541	25,841	16,865	1,798	170,693
1992	10,778	5,302	16,136	21,305	30,892	41,145	25,660	16,801	1,621	169,640
1993	10,320	5,115	16,216	21,616	31,188	40,375	25,128	16,467	1,681	168,106
1994	9,781	4,974	16,617	21,635	30,752	40,874	24,581	15,774	1,792	166,780
1995	9,333	4,823	16,246	21,383	30,454	40,041	24,728	15,358	1,824	164,190
1996	8,709	4,858	15,889	20,683	28,894	37,685	23,089	14,846	1,629	156,282
1997	8,025	4,564	15,298	19,724	27,729	36,728	22,580	13,943	1,527	150,118

Figure 1.4
Fatal and Injury Collisions by Time of Day, 1988 & 1997

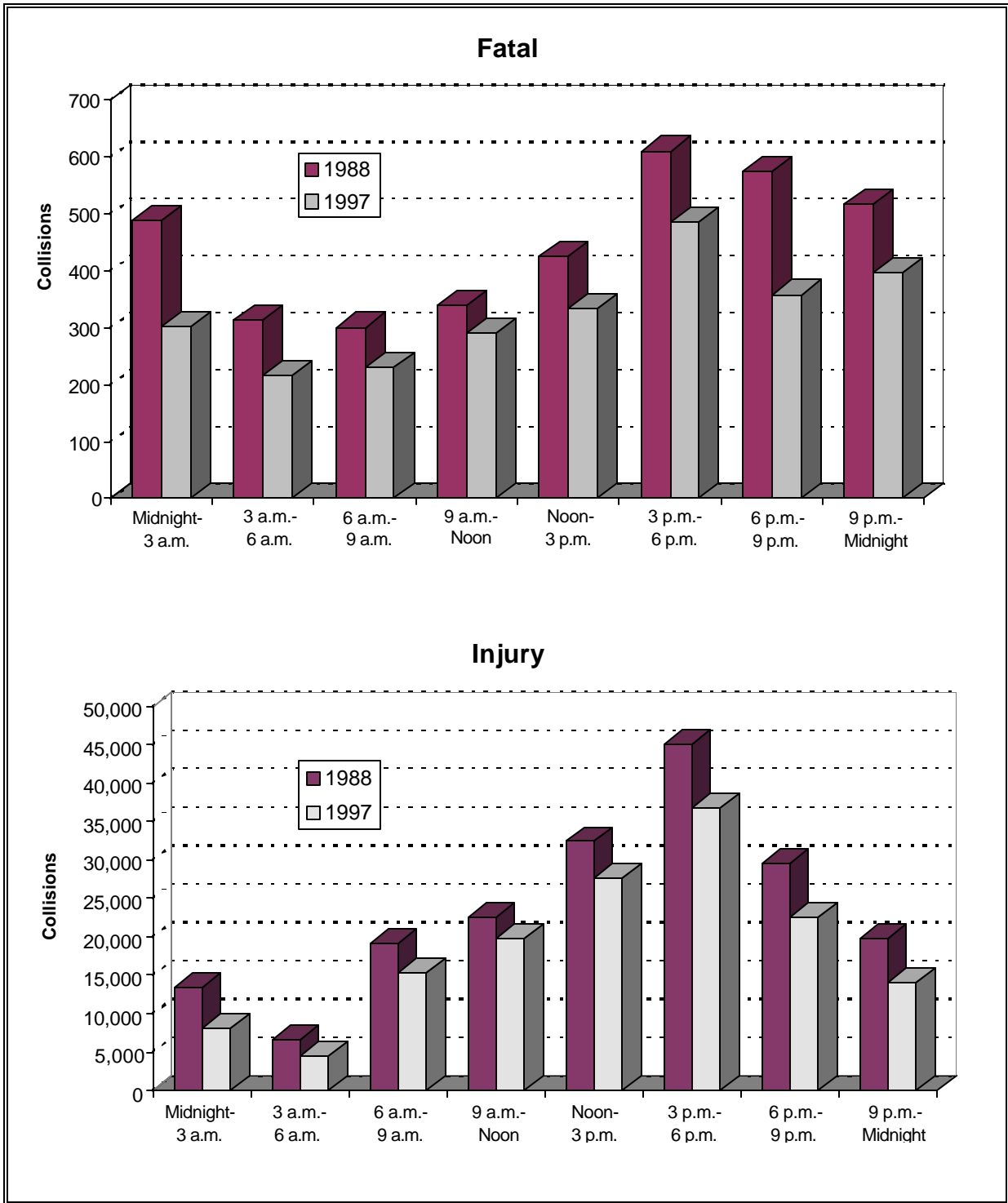


Table 1.6
Fatal and Injury Collisions by Light Conditions

Year	Light Conditions						Total
	Day	Dawn	Dusk	Dark	Artificial Road Light	Other/Unknown	
Fatal							
1988	1,566	85	86	1,055	410	408	3,610
1989	1,606	69	81	979	358	433	3,526
1990	1,559	85	84	1,006	336	375	3,445
1991	1,442	74	72	944	323	373	3,228
1992	1,377	83	66	880	330	337	3,073
1993	1,378	71	72	958	300	342	3,121
1994	1,337	71	50	790	254	367	2,869
1995	1,286	68	56	803	292	349	2,854
1996	1,194	61	44	795	294	320	2,708
1997	1,147	59	44	772	258	367	2,647
Injury							
1988	114,474	3,724	4,891	34,421	19,166	13,418	190,094
1989	111,576	3,285	4,302	30,850	19,286	13,848	183,147
1990	108,638	3,278	4,373	29,562	19,263	13,401	178,515
1991	104,165	2,964	3,815	26,859	18,479	14,411	170,693
1992	103,016	2,745	3,753	27,127	19,566	13,433	169,640
1993	103,441	2,772	3,613	25,530	18,911	13,839	168,106
1994	103,180	2,759	3,640	24,361	18,478	14,362	166,780
1995	100,880	2,780	3,556	23,999	18,108	14,867	164,190
1996	94,030	2,651	3,357	22,685	17,716	15,843	156,282
1997	90,168	2,657	3,051	21,130	16,124	16,988	150,118

Note: All Alberta collisions from 1988 to 1997 are included in the Other/Unknown category.

Figure 1.5
Fatal and Injury Collisions by Light Conditions, 1988-1997

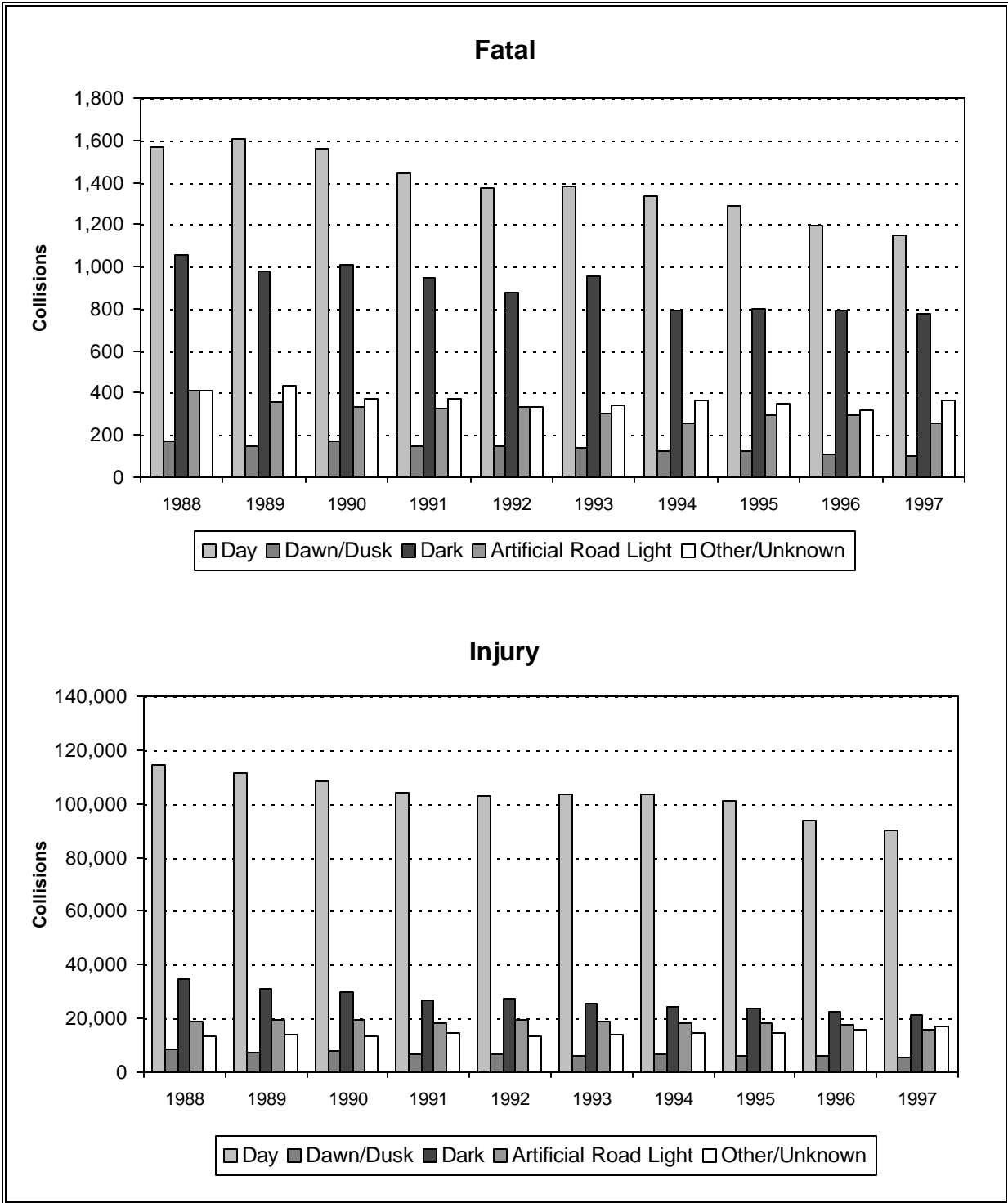


Table 1.7
Fatal and Injury Collisions by Weather Conditions

Year	Weather Conditions								
	Clear	Raining	Snowing	Sleet, Hail	Fog, Smog, Mist	Dust, Smoke	Strong Winds	Other/Unknown	Total
Fatal									
1988	2,610	282	203	11	55	10	15	424	3,610
1989	2,442	290	249	21	68	12	11	433	3,526
1990	2,456	344	158	11	65	5	20	386	3,445
1991	2,644	278	181	11	50	7	17	40	3,228
1992	2,411	294	216	18	80	2	20	32	3,073
1993	2,448	312	248	24	42	4	18	25	3,121
1994	2,326	230	201	10	49	6	13	34	2,869
1995	2,307	234	197	14	44	4	19	35	2,854
1996	2,126	229	215	17	51	3	24	43	2,708
1997	2,108	207	222	20	35	5	16	34	2,647
Injury									
1988	140,288	22,885	10,081	977	1,472	225	498	13,668	190,094
1989	131,036	22,669	11,396	1,110	1,988	282	416	14,250	183,147
1990	125,844	25,146	10,158	974	1,849	161	585	13,798	178,515
1991	135,030	20,090	10,302	1,030	1,456	184	598	2,003	170,693
1992	130,607	23,259	10,614	917	1,660	242	552	1,789	169,640
1993	132,298	20,725	10,433	772	1,523	139	484	1,732	168,106
1994	133,678	18,404	10,000	829	1,459	213	489	1,708	166,780
1995	127,358	19,595	12,024	1,092	1,441	206	557	1,917	164,190
1996	119,031	20,470	11,543	874	1,461	134	555	2,214	156,282
1997	116,804	16,511	11,781	969	1,061	204	624	2,164	150,118

Note: All Alberta collisions from 1988 to 1990 are included in the Other/Unknown category.

Figure 1.6
Fatal and Injury Collisions by Weather Conditions, 1988-1997

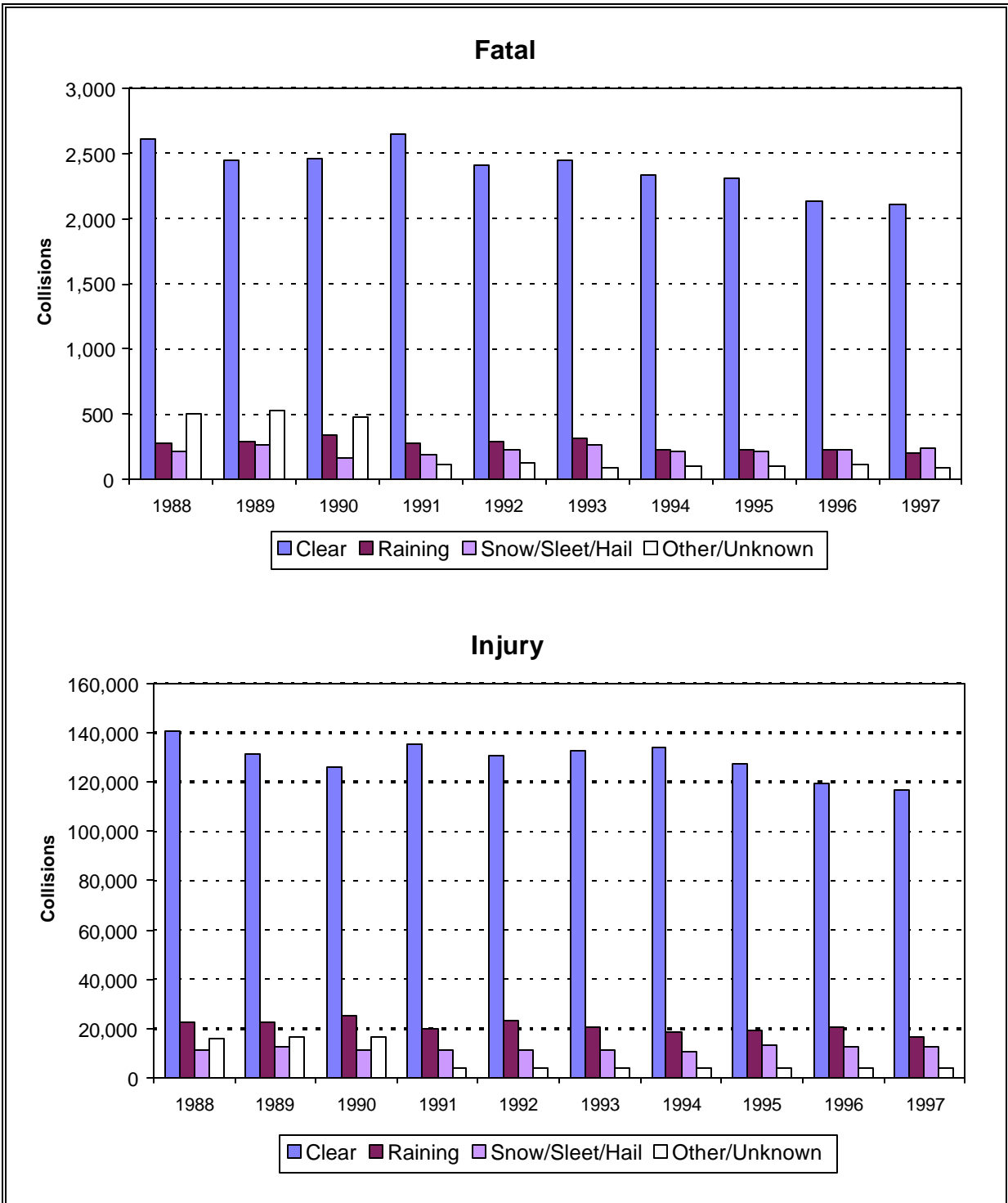


Table 1.8
Fatal and Injury Collisions by Road Alignment

Year	Road Alignment							Total
	Straight & Level	Straight & Gradient	Curved & Level	Curved & Gradient	Top of Hill	Bottom of Hill	Other/Unknown	
Fatal								
1988	1,757	503	508	405	19	12	406	3,610
1989	1,655	495	514	407	17	9	429	3,526
1990	1,657	470	533	390	9	15	371	3,445
1991	1,752	506	467	350	14	9	130	3,228
1992	1,661	450	495	326	14	9	118	3,073
1993	1,640	495	499	335	31	20	101	3,121
1994	1,566	398	469	314	13	12	97	2,869
1995	1,520	412	483	313	20	14	92	2,854
1996	1,519	405	406	288	6	9	75	2,708
1997	1,532	347	402	233	23	12	98	2,647
Injury								
1988	123,210	23,399	15,384	10,843	682	470	16,106	190,094
1989	115,290	23,621	14,903	10,443	631	430	17,829	183,147
1990	113,328	21,667	14,326	9,892	703	445	18,154	178,515
1991	110,482	20,227	13,995	9,315	680	492	15,502	170,693
1992	110,339	20,131	13,957	9,393	686	414	14,720	169,640
1993	111,980	19,873	13,658	9,183	637	424	12,351	168,106
1994	111,757	19,654	13,307	8,752	604	402	12,304	166,780
1995	110,247	19,243	12,987	8,586	603	410	12,114	164,190
1996	105,576	17,929	12,146	7,933	521	370	11,807	156,282
1997	101,127	16,989	11,905	7,336	540	388	11,833	150,118

Note: All Alberta collisions from 1988 to 1990 are included in the Other/Unknown category.

Figure 1.7
Fatal and Injury Collisions by Road Alignment, 1988-1997

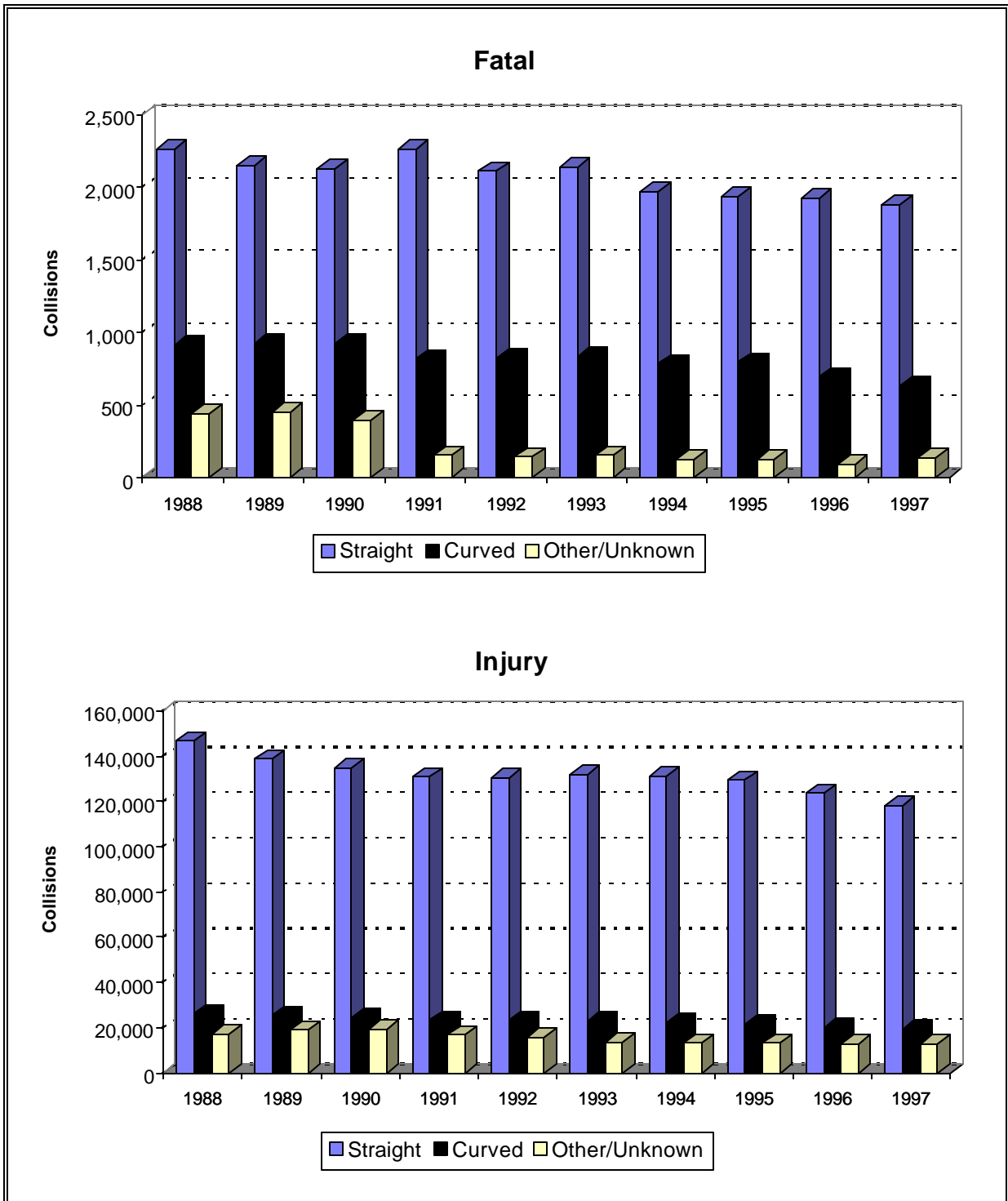


Table 1.9
Fatal and Injury Collisions by Road Configuration

Year	Road Configuration										Total
	Non-intersection	Intersection of Two or More Roads	Intersection Regulated by Traffic Control	Intersection with Private Drive or Lane	Railroad Level Crossing	Bridge, Overpass, Viaduct	Tunnel, Underpass	Parking Lot or Garage	Off Road	Other/Unknown	
Fatal											
1988	1,546	631	49	146	48	66	2	14	5	1,103	3,610
1989	1,777	753	89	130	53	66	6	3	3	646	3,526
1990	1,735	763	62	143	40	64	2	13	8	615	3,445
1991	1,748	640	75	120	41	54	5	13	5	527	3,228
1992	1,666	605	73	85	48	53	3	10	6	524	3,073
1993	1,704	673	88	91	40	54	3	3	7	458	3,121
1994	1,613	619	92	86	36	52	2	6	4	359	2,869
1995	1,631	590	74	80	35	43	5	8	3	385	2,854
1996	1,512	569	74	72	36	54	3	4	2	382	2,708
1997	1,438	558	90	77	25	46	4	5	9	395	2,647
Injury											
1988	52,438	57,249	18,380	12,754	496	2,174	211	1,997	188	44,207	190,094
1989	63,878	66,185	16,463	12,274	412	2,142	146	1,431	34	20,182	183,147
1990	61,634	65,868	15,949	11,144	354	2,153	155	1,824	157	19,277	178,515
1991	58,072	59,941	14,128	9,623	344	2,055	180	1,492	143	24,715	170,693
1992	58,655	59,907	13,303	9,566	374	2,128	169	1,595	132	23,811	169,640
1993	58,809	62,474	11,943	9,576	549	2,001	146	1,484	108	21,016	168,106
1994	58,588	62,361	11,504	9,813	497	1,966	190	1,589	103	20,169	166,780
1995	57,016	60,632	12,549	9,576	528	1,806	163	1,480	83	20,357	164,190
1996	54,531	56,884	12,240	8,847	330	1,648	144	1,241	70	20,347	156,282
1997	51,773	52,649	12,169	8,173	318	1,464	131	1,031	67	22,343	150,118

Note: All Yukon collisions from 1995 to 1997 are included in the Other/Unknown category.

Table 1.10
Fatal and Injury Collisions by Road Classification

Year	Road Classification			
	Urban	Rural	Unknown	Total
Fatal				
1988	1,259	2,279	72	3,610
1989	1,170	2,328	28	3,526
1990	1,182	2,228	35	3,445
1991	973	1,799	456	3,228
1992	905	1,772	396	3,073
1993	912	1,795	414	3,121
1994	833	1,588	448	2,869
1995	815	1,620	419	2,854
1996	836	1,493	379	2,708
1997	756	1,453	438	2,647
Injury				
1988	129,336	54,559	6,199	190,094
1989	125,118	52,608	5,421	183,147
1990	122,291	50,166	6,058	178,515
1991	105,909	42,949	21,835	170,693
1992	106,439	42,203	20,998	169,640
1993	106,280	41,327	20,499	168,106
1994	105,717	40,746	20,317	166,780
1995	103,595	39,868	20,727	164,190
1996	97,176	38,034	21,072	156,282
1997	91,702	37,132	21,284	150,118

Note: All Alberta collisions from 1991 to 1997 and all Yukon collisions from 1995 to 1997 are included in the Unknown category.

Figure 1.8
Fatal and Injury Collisions by Road Classification, 1988-1997

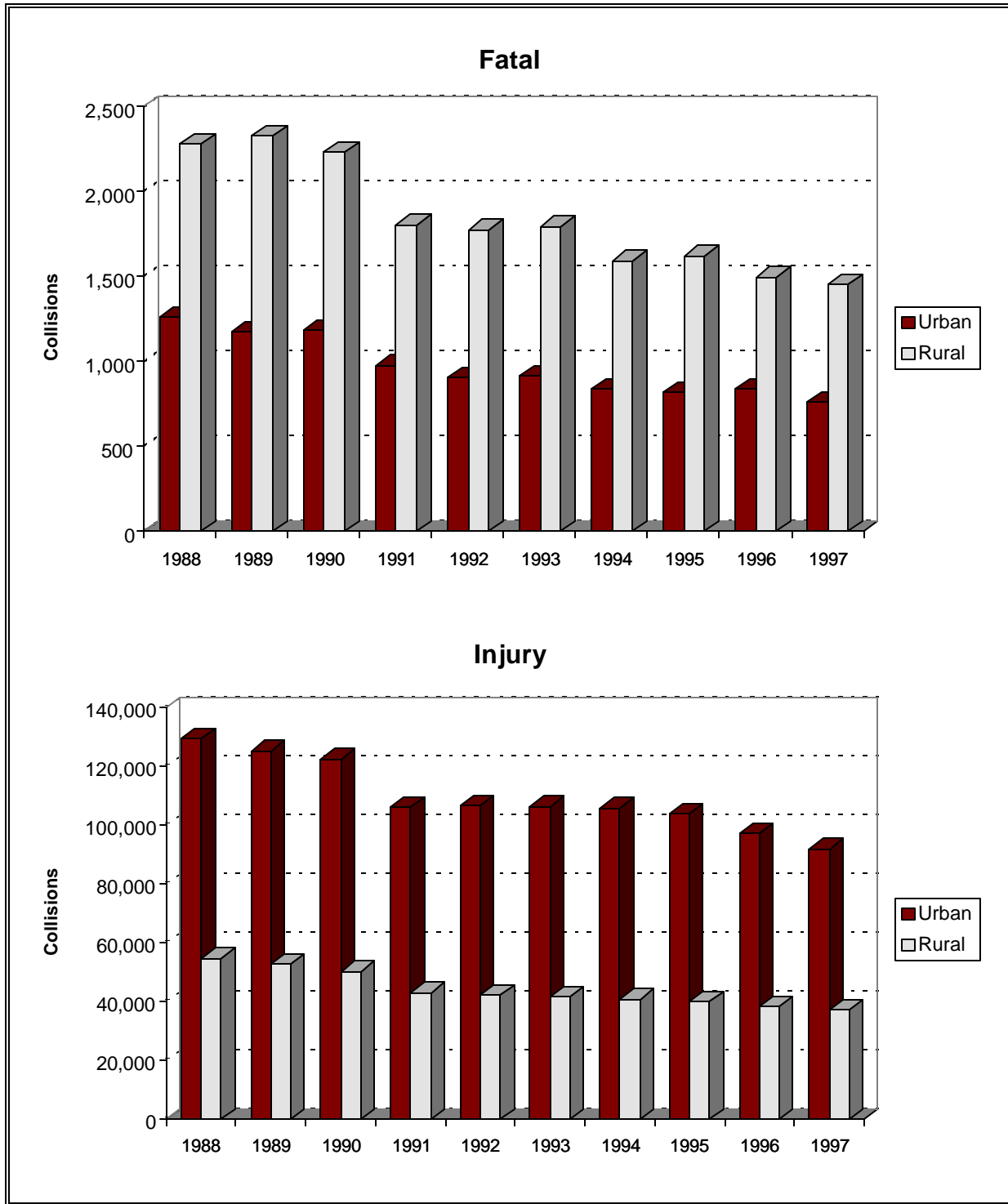


Table 1.11
Fatal and Injury Collisions by Road Surface

Year	Road Surface										Total
	Dry, Normal	Wet	Snow (loose)	Ice (packed snow)	Slippery	Sand, Gravel, Dirt	Mud (wet)	Slush	Oil, Spilled Liquid	Other/Unknown	
Fatal											
1988	2,457	584	136	222	53	66	7	54	1	30	3,610
1989	2,195	622	174	268	92	60	2	62	1	50	3,526
1990	2,332	595	126	168	72	55	7	56	1	33	3,445
1991	2,277	468	145	161	57	41	8	30	0	41	3,228
1992	2,099	455	149	201	44	41	7	39	2	36	3,073
1993	2,024	537	184	203	62	23	7	44	2	35	3,121
1994	1,894	464	153	175	68	30	11	41	0	33	2,869
1995	1,885	452	165	172	57	29	8	34	1	51	2,854
1996	1,683	471	138	215	86	26	6	41	2	40	2,708
1997	1,735	410	160	156	62	39	7	38	0	40	2,647
Injury											
1988	119,023	41,160	8,196	12,531	2,032	1,919	249	2,606	110	2,268	190,094
1989	109,920	41,794	9,146	12,411	2,954	1,468	271	2,853	115	2,215	183,147
1990	106,791	41,924	7,634	12,714	2,741	1,642	241	2,603	80	2,145	178,515
1991	106,033	35,534	7,796	12,315	2,945	1,379	278	2,406	80	1,927	170,693
1992	102,211	39,243	7,492	12,879	2,261	1,155	235	2,357	53	1,754	169,640
1993	103,648	36,303	7,816	12,446	2,476	1,173	259	2,119	69	1,797	168,106
1994	103,375	33,556	7,749	12,870	3,173	1,239	229	2,496	52	2,041	166,780
1995	100,171	34,270	9,173	11,543	3,267	1,102	233	2,311	76	2,044	164,190
1996	91,681	34,842	7,122	12,341	4,731	962	231	2,163	36	2,173	156,282
1997	92,088	29,915	8,505	10,739	2,947	1,108	232	2,332	47	2,205	150,118

Figure 1.9
Fatal and Injury Collisions by Road Surface, 1988-1997

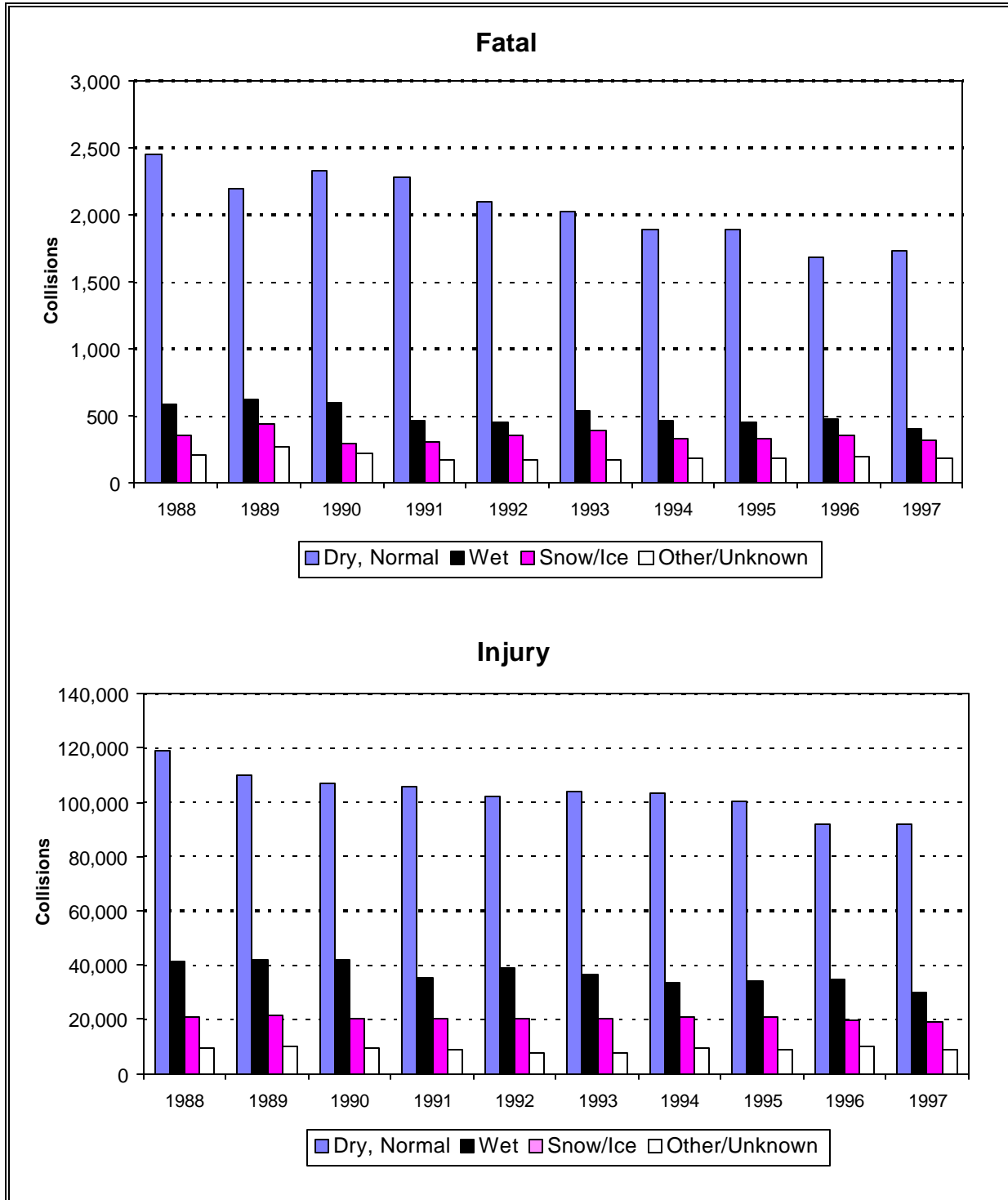


Table 1.12
Fatal and Injury Collisions by Road Condition

Year	Road Condition						Total
	Good	Defective	Pothole, Rut, Bump	Under Repair	Obstruction	Other/ Unknown	
Fatal							
1988	2,642	4	29	51	0	884	3,610
1989	2,614	3	29	33	1	846	3,526
1990	2,434	10	39	43	0	919	3,445
1991	2,037	0	42	33	0	1,116	3,228
1992	1,962	1	50	27	0	1,033	3,073
1993	1,986	1	34	28	0	1,072	3,121
1994	1,766	0	39	29	0	1,035	2,869
1995	1,790	3	33	28	0	1,000	2,854
1996	1,713	1	32	48	0	914	2,708
1997	1,650	0	46	29	0	922	2,647
Injury							
1988	142,280	193	1,126	2,635	17	43,843	190,094
1989	132,365	119	890	2,358	21	47,394	183,147
1990	125,717	190	1,058	2,419	15	49,116	178,515
1991	106,939	83	1,340	2,003	16	60,312	170,693
1992	107,099	102	1,241	2,068	13	59,117	169,640
1993	106,556	99	1,138	1,928	12	58,373	168,106
1994	103,959	121	1,126	2,160	13	59,401	166,780
1995	102,339	106	1,123	1,946	8	58,668	164,190
1996	99,631	111	1,140	2,026	16	53,358	156,282
1997	97,863	91	1,098	1,904	15	49,147	150,118

Note: All B.C. and Yukon collisions from 1988 to 1997 and all Alberta collisions from 1991 to 1997 are included in the Other/Unknown category.

Table 1.13
Fatal and Injury Collisions by Speed Limit

Speed Limit	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
10 km/h	3	5	2	5	4	1	1	64	1	1
20 km/h	4	11	4	6	3	3	2	3	3	4
30 km/h	25	28	22	24	21	16	26	15	15	20
40 km/h	35	30	21	27	18	20	19	30	22	23
50 km/h	714	643	688	640	555	543	524	500	504	451
60 km/h	264	215	205	197	185	242	185	193	198	189
70 km/h	164	155	138	128	157	170	126	137	132	143
80 km/h	883	908	831	783	745	779	663	647	629	584
90 km/h	657	672	695	590	557	567	541	516	482	435
100 km/h	386	346	354	347	357	323	291	297	299	304
110 km/h	0	8	4	7	3	4	9	7	3	8
Unknown	475	505	481	474	468	453	482	445	420	485
Total	3,610	3,526	3,445	3,228	3,073	3,121	2,869	2,854	2,708	2,647
Injury										
10 km/h	345	372	419	433	367	157	125	3,183	252	250
20 km/h	425	433	360	379	367	490	487	353	322	266
30 km/h	2,628	2,398	2,391	2,339	2,157	2,111	2,299	2,164	1,888	1,639
40 km/h	2,951	2,864	2,780	2,601	2,805	2,715	2,684	2,780	2,747	2,683
50 km/h	88,904	83,908	81,317	75,595	75,470	74,898	74,085	71,133	68,138	63,055
60 km/h	21,401	20,459	19,369	17,206	17,760	18,330	18,404	17,924	17,357	16,860
70 km/h	6,715	6,550	5,876	5,931	5,947	6,136	6,097	5,712	5,703	5,794
80 km/h	23,649	22,667	20,913	19,546	19,234	18,738	17,957	16,264	15,741	15,224
90 km/h	11,735	9,990	10,227	9,577	9,491	9,216	9,135	9,459	8,636	8,481
100 km/h	10,255	10,367	9,833	9,262	9,129	9,027	8,996	8,850	9,601	9,604
110 km/h	0	106	122	126	157	134	194	157	211	201
Unknown	21,086	23,033	24,908	27,698	26,756	26,154	26,317	26,211	25,686	26,061
Total	190,094	183,147	178,515	170,693	169,640	168,106	166,780	164,190	156,282	150,118

Note: All Alberta collisions from 1988 to 1997 and all Yukon collisions from 1990 to 1994 are included in the Unknown category.

Figure 1.10
Fatal and Injury Collisions by Speed Limit, 1988, 1993 & 1997

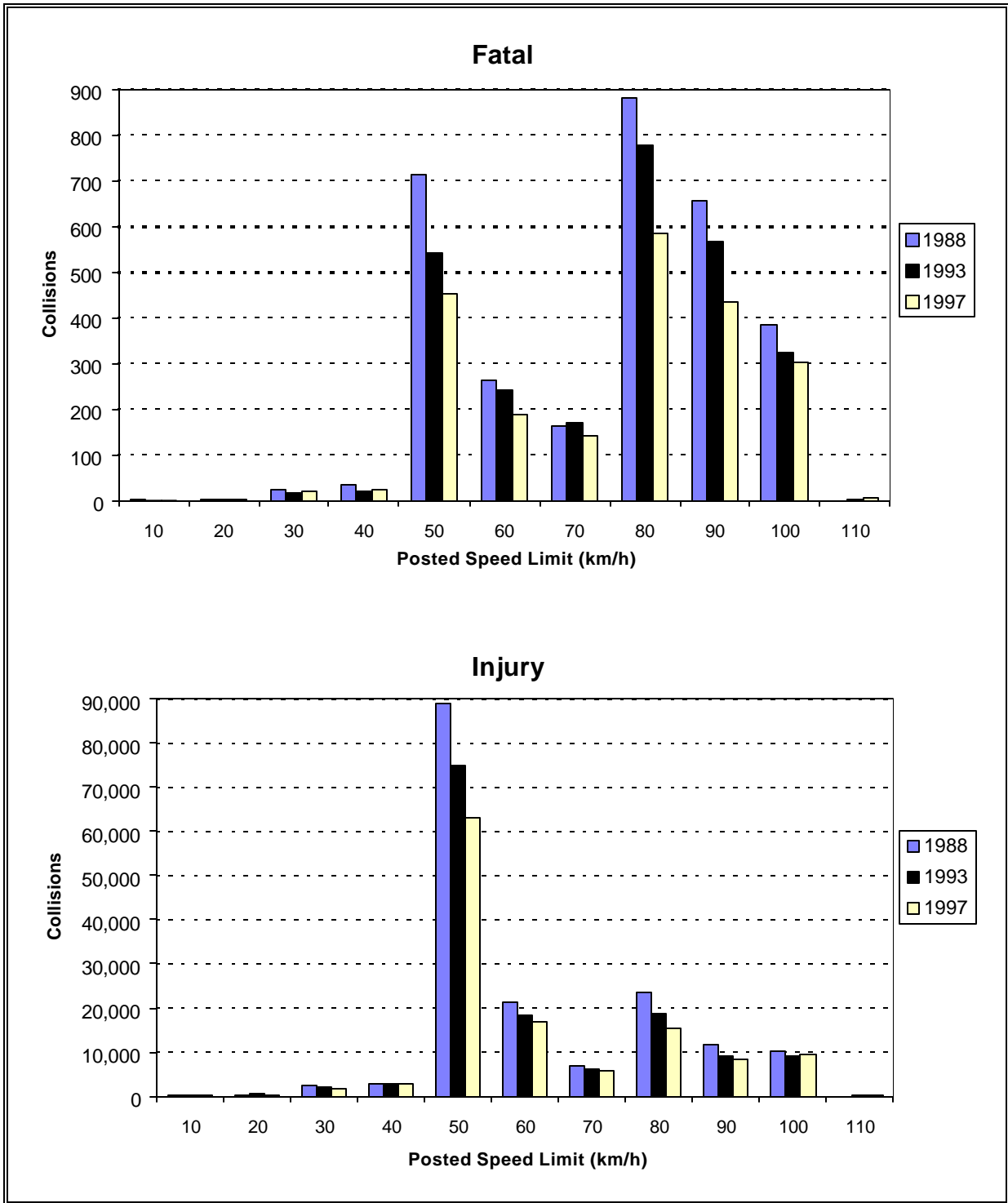


Table 1.14
Fatal and Injury Collisions by Road Category

Year	Road Category					Total
	Undivided	Divided	Freeway	Interchange Ramp	Other/Unknown	
Fatal						
1988	1,918	270	132	13	1,277	3,610
1989	1,305	215	74	6	1,926	3,526
1990	1,318	232	69	13	1,813	3,445
1991	1,625	267	45	9	1,282	3,228
1992	1,508	260	64	9	1,232	3,073
1993	1,605	272	59	10	1,175	3,121
1994	1,549	251	55	14	1,000	2,869
1995	1,503	221	62	8	1,060	2,854
1996	1,349	201	53	4	1,101	2,708
1997	1,380	230	61	13	963	2,647
Injury						
1988	110,116	18,921	8,253	1,906	50,898	190,094
1989	86,361	12,529	6,093	1,204	76,960	183,147
1990	82,399	14,563	6,550	1,248	73,755	178,515
1991	82,718	17,051	6,135	1,191	63,598	170,693
1992	83,373	16,738	6,020	1,118	62,391	169,640
1993	83,777	18,438	5,976	1,088	58,827	168,106
1994	84,407	17,394	6,641	1,027	57,311	166,780
1995	83,188	16,694	6,401	1,051	56,856	164,190
1996	77,352	16,222	5,906	1,091	55,711	156,282
1997	72,824	15,472	4,959	1,002	55,861	150,118

Note: All Alberta and Saskatchewan collisions from 1988 to 1990, all New Brunswick, Nova Scotia, and Newfoundland collisions from 1988 to 1997, all P.E.I. collisions from 1988 to 1995, and all Quebec collisions from 1989 to 1997 are included in the Other/Unknown category.

Table 1.15
Fatal Collisions by Traffic Control Device

Traffic Control Device or Measure	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
No Control Present	2,546	2,498	2,471	2,275	2,137	2,182	1,973	2,005	1,830	1,751
Traffic Signals	479	477	458	148	173	174	170	164	162	151
Stop Signs	218	242	224	199	179	203	183	164	196	182
Yield Signs	21	15	12	12	12	17	10	10	9	17
Pedestrian Crossover	13	6	8	5	6	7	9	10	6	9
Police Officer	0	1	0	0	0	0	0	0	0	0
School Guard, Flagman, Police Officer	5	5	10	2	10	8	5	1	7	4
School Crossing	0	1	0	0	0	0	0	0	0	0
Flashing Signal Light	16	16	17	19	14	11	8	9	11	13
Advisory Sign	55	42	52	43	50	36	22	24	29	15
School Bus with Lights Flashing	3	1	2	1	1	1	1	0	4	1
Railway Crossing	21	25	17	18	18	16	9	17	19	9
Other/Unknown	233	197	174	506	473	466	479	450	435	495
Total	3,610	3,526	3,445	3,228	3,073	3,121	2,869	2,854	2,708	2,647

Note: All Alberta collisions from 1991 to 1997 are included in the Other/Unknown category.

Table 1.16
Injury Collisions by Traffic Control Device

Traffic Control Device or Measure	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
No Control Present	114,598	108,481	104,529	94,987	94,101	91,022	89,865	88,139	81,235	77,127
Traffic Signals	43,251	41,615	41,974	32,533	33,264	34,058	33,676	34,024	32,725	30,828
Stop Signs	20,648	20,507	19,450	17,925	17,925	17,993	17,760	17,376	16,399	15,446
Yield Signs	1,720	1,563	1,909	1,919	2,027	2,072	2,048	1,922	1,570	1,468
Pedestrian Crossover	1,015	939	1,031	918	935	899	950	887	945	916
Police Officer	97	88	60	46	52	39	49	57	44	51
School Guard, Flagman, Police Officer	380	418	456	468	469	429	457	445	395	420
School Crossing	25	13	23	24	27	23	21	32	27	28
Flashing Signal Light	616	670	517	554	592	559	567	608	489	480
Advisory Sign	1,053	699	833	832	774	678	592	579	501	483
School Bus with Lights Flashing	132	146	124	113	114	97	115	112	89	102
Railway Crossing	236	146	163	186	166	159	167	156	166	145
Other/Unknown	6,323	7,862	7,446	20,188	19,194	20,078	20,513	19,853	21,697	22,624
Total	190,094	183,147	178,515	170,693	169,640	168,106	166,780	164,190	156,282	150,118

Note: All Alberta collisions from 1991 to 1997 are included in the Other/Unknown category.

Table 1.17
Fatal Collisions by Crash Configuration

Crash Configuration	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
1 MV: Object/Person	1,164	951	825	822	790	758	669	669	693	599
1 MV: Left Shoulder	236	256	262	252	270	263	212	238	209	223
1 MV: Right Shoulder	234	247	323	301	276	283	239	283	226	235
2 MV: Rear-end	138	128	132	135	105	141	137	117	99	94
2 MV: Sideswipe	37	44	53	55	63	36	45	46	46	57
2 MV: Pass, Left	28	28	39	19	22	10	20	21	14	17
2 MV: Pass, Right	10	12	16	6	9	14	12	5	5	7
2 MV: Head-on	579	609	639	586	552	657	545	557	529	460
2 MV: Left Turn	185	202	174	148	149	126	139	151	110	146
2 MV: Right Turn	332	318	330	285	289	297	275	234	260	260
Other/Unknown	667	731	652	619	548	536	576	533	517	549
Total	3,610	3,526	3,445	3,228	3,073	3,121	2,869	2,854	2,708	2,647

Note: All Alberta and N.W.T. collisions from 1988 to 1997 are included in the Other/Unknown category.

Key to Crash Configuration:

Label	Description
1 MV: Object/Person	One moving motor vehicle involved: hit person or object (including parked vehicle)
1 MV: Left Shoulder	One moving motor vehicle involved: ran off left shoulder
1 MV: Right Shoulder	One moving motor vehicle involved: ran off right shoulder
2 MV: Rear-end	Two motor vehicles travelling in the same direction: rear-end collision
2 MV: Sideswipe	Two motor vehicles travelling in the same direction: sideswipe
2 MV: Pass, Left	Two motor vehicles travelling in the same direction: one vehicle passing to the left of the other or there was a left turn conflict
2 MV: Pass, Right	Two motor vehicles travelling in the same direction: one vehicle passing to the right of the other or there was a right turn conflict
2 MV: Head-on	Two motor vehicles travelling parallel to each other but in opposite directions: head-on collision, sideswipe
2 MV: Left Turn	Two motor vehicles travelling in different directions: left turn across opposing traffic
2 M.V: Right Turn	Two motor vehicles travelling in different directions: right turn, including conflict at intersections.
Other	Other configuration, including three or more vehicles

Table 1.18
Injury Collisions by Crash Configuration

Crash Configuration	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
1 MV: Object/Person	41,801	34,651	31,254	30,142	28,952	28,160	27,054	26,147	25,608	24,408
1 MV: Left Shoulder	5,898	6,602	7,289	7,090	7,176	6,782	6,657	6,749	6,467	6,164
1 MV: Right Shoulder	7,637	8,412	9,192	8,707	8,917	8,682	8,313	8,593	8,111	7,804
2 MV: Rear-end	39,986	39,220	39,815	37,555	38,441	37,997	38,285	37,697	34,603	32,169
2 MV: Sideswipe	5,029	4,580	4,435	4,620	4,538	4,594	4,516	4,415	4,441	4,167
2 MV: Pass, Left	2,051	1,779	1,963	1,963	1,445	1,308	1,316	1,268	1,120	1,121
2 MV: Pass, Right	1,315	1,368	1,385	1,322	1,402	1,369	1,266	1,211	1,072	1,006
2 MV: Head-on	7,365	7,614	7,072	6,332	6,356	6,190	6,267	5,930	5,543	5,251
2 MV: Left Turn	22,118	22,526	19,916	18,079	19,491	19,642	19,597	19,843	19,129	18,434
2 MV: Right Turn	27,095	25,977	25,644	24,826	24,759	25,226	24,884	23,720	22,102	21,506
Other/Unknown	29,799	30,418	30,550	30,057	28,163	28,156	28,625	28,617	28,086	28,088
Total	190,094	183,147	178,515	170,693	169,640	168,106	166,780	164,190	156,282	150,118

Note: All Alberta and N.W.T. collisions from 1988 to 1997 are included in the Other/Unknown category.

Key to Crash Configuration: see Table 1.17.

Table 1.19
Fatal and Injury Collisions by Number of Vehicles Involved

Year	Number of Vehicles Involved					
	1	2	3	4 or more	Unknown	Total
Fatal						
1988	1,861	1,484	216	48	1	3,610
1989	1,666	1,565	218	76	1	3,526
1990	1,699	1,461	202	83	0	3,445
1991	1,649	1,329	195	54	1	3,228
1992	1,610	1,245	163	53	2	3,073
1993	1,539	1,291	223	66	2	3,121
1994	1,385	1,249	179	56	0	2,869
1995	1,427	1,179	194	54	0	2,854
1996	1,342	1,144	156	66	0	2,708
1997	1,305	1,147	139	56	0	2,647
Injury						
1988	62,063	109,549	14,949	3,493	40	190,094
1989	57,446	106,751	15,154	3,787	9	183,147
1990	57,183	103,642	14,251	3,400	39	178,515
1991	54,684	99,308	13,542	3,086	73	170,693
1992	52,933	99,677	13,665	3,260	105	169,640
1993	51,538	99,679	13,558	3,258	73	168,106
1994	49,845	100,170	13,434	3,278	53	166,780
1995	49,499	98,134	13,298	3,177	82	164,190
1996	47,500	93,084	12,508	3,137	53	156,282
1997	45,860	88,737	12,375	3,087	59	150,118

Figure 1.11
Fatal and Injury Collisions by Number of Vehicles Involved, 1988-1997

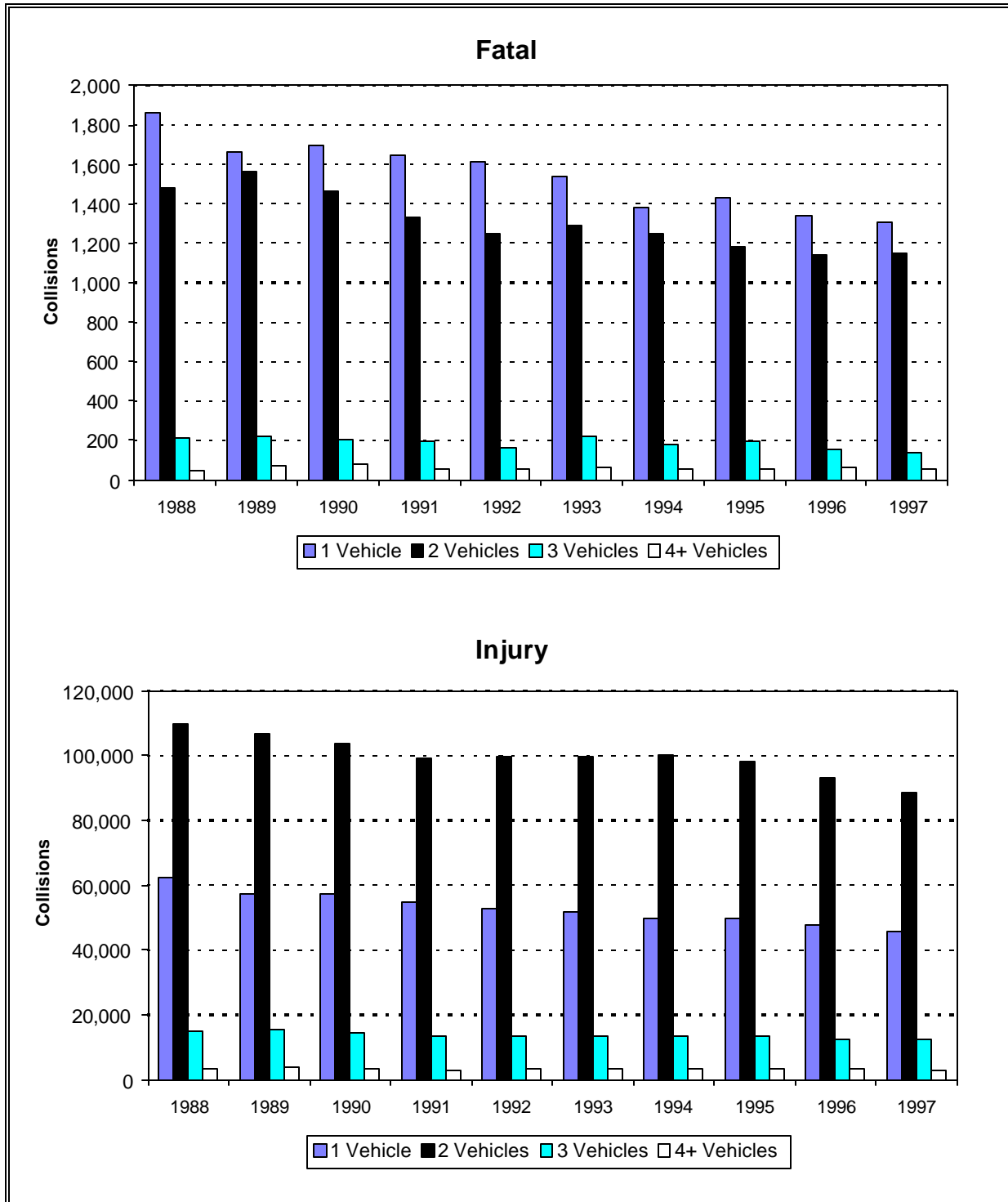


Table 1.20
Fatal Collisions by Number of Persons Killed

Year	Persons Killed				Total
	1	2	3	4 or more	
1988	3,208	307	62	33	3,610
1989	3,109	330	56	31	3,526
1990	3,072	277	65	31	3,445
1991	2,866	291	51	20	3,228
1992	2,746	256	48	23	3,073
1993	2,769	270	58	24	3,121
1994	2,549	263	45	12	2,869
1995	2,493	270	60	31	2,854
1996	2,427	207	54	20	2,708
1997	2,366	221	37	23	2,647

Figure 1.12
Fatal Collisions by Number of Persons Killed, 1988-1997

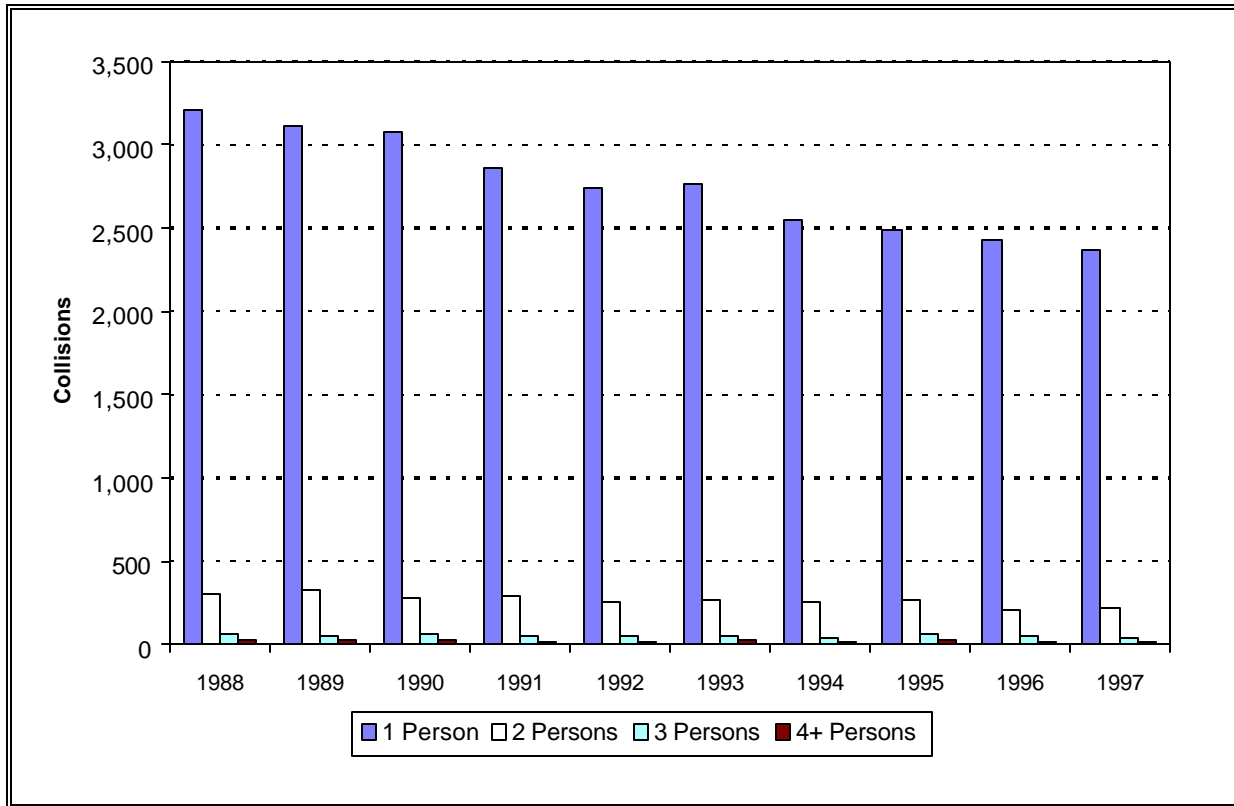


Table 1.21
Single- and Two-Vehicle Fatal and Injury Collisions by Day of the Week

Year	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Unknown		Total	
	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle
Fatal																		
1988	335	212	176	153	187	179	182	179	207	221	327	257	446	283	1	0	1,861	1,484
1989	295	211	176	192	153	168	174	193	183	213	289	306	395	282	1	0	1,666	1,565
1990	326	197	186	178	176	168	170	184	201	245	264	258	375	231	1	0	1,699	1,461
1991	290	195	163	156	151	158	202	161	228	183	259	237	355	239	1	0	1,649	1,329
1992	287	154	158	146	160	174	174	188	203	167	264	216	364	200	0	0	1,610	1,245
1993	254	173	168	145	155	185	166	135	193	185	281	244	322	224	0	0	1,539	1,291
1994	220	181	142	160	170	162	154	166	175	177	255	185	260	218	9	0	1,385	1,249
1995	272	133	169	141	169	142	144	173	176	179	217	219	280	192	0	0	1,427	1,179
1996	205	164	155	156	136	135	157	149	175	173	224	190	290	177	0	0	1,342	1,144
1997	222	146	149	140	131	158	160	156	145	158	207	206	291	183	0	0	1,305	1,147
Injury																		
1988	9,685	11,911	7,170	14,651	7,296	15,345	7,430	14,900	8,008	16,262	10,564	19,858	11,907	16,620	3	2	62,063	109,549
1989	9,067	11,199	6,913	13,899	6,975	14,897	6,865	15,031	7,702	16,536	9,515	19,535	10,404	15,652	5	2	57,446	106,751
1990	8,730	11,035	7,219	14,379	7,028	14,338	6,686	14,643	7,673	15,900	9,664	18,555	10,179	14,788	4	4	57,183	103,642
1991	8,151	10,210	6,360	13,240	6,588	14,112	6,855	14,237	7,496	15,512	8,970	17,783	10,256	14,209	8	5	54,684	99,308
1992	7,939	10,065	6,405	13,266	6,418	14,137	6,681	14,564	7,310	16,092	8,808	17,655	9,366	13,890	6	8	52,933	99,677
1993	7,890	10,637	6,282	13,544	6,212	14,351	6,318	14,314	7,024	15,233	8,821	17,497	8,988	14,092	3	11	51,538	99,679
1994	7,302	10,284	6,014	13,540	6,099	14,276	6,567	15,127	6,864	15,719	8,081	17,241	8,787	13,888	131	95	49,845	100,170
1995	7,297	10,166	6,266	13,012	6,125	14,140	6,309	14,732	6,674	15,239	8,102	17,371	8,724	13,462	2	12	49,499	98,134
1996	6,880	9,387	6,011	12,729	6,184	13,776	6,101	13,564	6,554	14,285	7,542	16,247	8,220	13,086	8	10	47,500	93,084
1997	6,541	9,154	5,878	12,180	6,102	12,671	6,102	13,345	6,083	13,527	7,406	15,393	7,744	12,457	4	10	45,860	88,737

Figure 1.13

Single- and Two-Vehicle Fatal Collisions by Day of the Week, 1988 & 1997

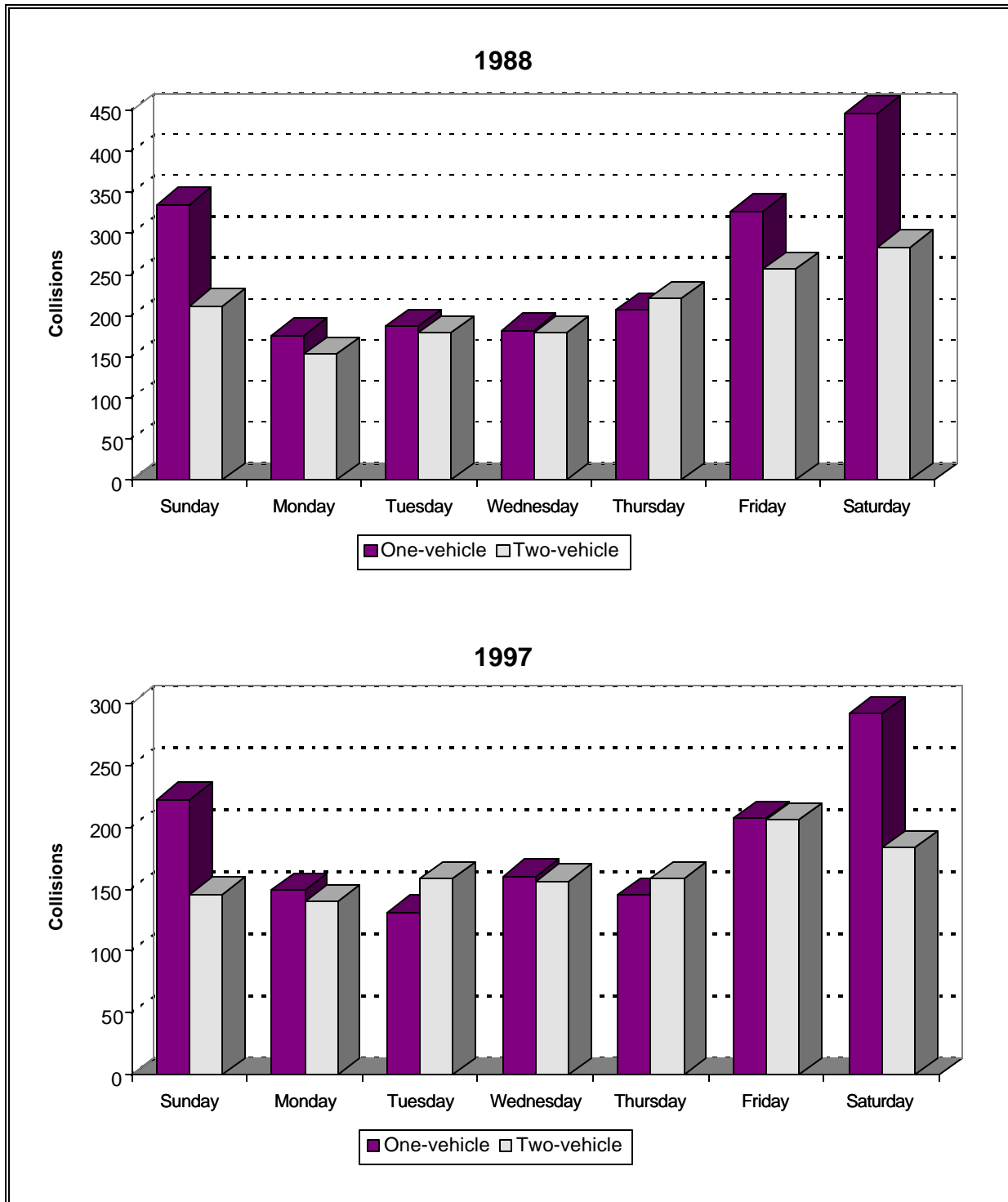


Table 1.22
Single-Vehicle Fatal and Injury Collisions by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
January	98	99	99	68	99	73	75	76	81	60
February	77	63	78	87	80	78	66	67	75	71
March	97	97	102	121	92	83	75	104	84	77
April	135	139	120	108	102	106	107	110	85	88
May	164	131	123	149	147	117	131	127	108	121
June	186	166	189	189	157	142	127	146	125	121
July	229	195	216	169	175	181	151	170	133	128
August	191	204	183	211	174	158	142	176	161	170
September	171	179	183	157	153	163	133	121	117	123
October	196	151	172	156	162	170	155	148	142	127
November	153	138	130	137	154	134	99	90	122	108
December	164	104	104	97	115	134	124	92	109	111
Total	1,861	1,666	1,699	1,649	1,610	1,539	1,385	1,427	1,342	1,305
Injury										
January	4,824	4,466	4,475	4,151	4,407	4,363	3,944	4,240	4,034	4,195
February	4,107	3,855	3,900	3,499	3,543	3,053	3,305	3,783	4,052	3,283
March	4,003	3,965	4,074	4,056	3,407	3,318	3,579	3,453	3,739	3,404
April	4,370	4,011	3,958	3,715	3,667	3,561	3,463	3,454	3,180	3,003
May	5,063	4,488	4,568	4,642	4,460	4,108	3,889	3,749	3,473	3,514
June	5,605	4,923	5,287	5,173	4,611	4,364	4,375	4,308	4,008	3,907
July	6,058	5,527	5,341	5,072	4,669	4,687	4,585	4,378	3,954	3,972
August	5,556	5,285	5,410	5,207	4,790	4,769	4,522	4,293	4,253	4,146
September	5,189	4,968	4,811	4,470	4,369	4,297	4,242	4,134	3,692	3,611
October	5,576	5,109	4,941	4,817	4,875	4,708	4,376	4,275	4,046	4,112
November	5,410	5,686	5,269	4,959	5,136	4,884	4,830	5,072	4,671	4,492
December	6,302	5,163	5,149	4,919	4,996	5,424	4,734	4,359	4,396	4,219
Unknown	0	0	0	4	3	2	1	1	2	2
Total	62,063	57,446	57,183	54,684	52,933	51,538	49,845	49,499	47,500	45,860

Table 1.23
Two-Vehicle Fatal and Injury Collisions by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
January	98	109	130	120	95	104	114	102	119	109
February	96	126	108	94	95	91	90	94	93	81
March	107	95	93	92	74	91	74	71	80	102
April	93	98	90	71	85	70	65	69	50	68
May	114	121	115	124	91	107	93	84	78	105
June	135	129	121	120	104	100	95	102	82	95
July	165	168	154	130	105	132	129	129	107	100
August	175	159	155	147	142	137	150	109	120	121
September	142	146	131	113	108	106	103	106	99	84
October	131	118	118	95	103	106	125	83	81	95
November	103	116	127	108	108	113	98	110	104	100
December	125	180	119	115	135	134	113	120	131	87
Total	1,484	1,565	1,461	1,329	1,245	1,291	1,249	1,179	1,144	1,147
Injury										
January	8,247	7,467	7,738	7,478	7,823	7,691	9,415	7,629	8,431	7,881
February	8,259	6,968	7,811	6,329	7,887	6,873	7,972	7,345	7,210	6,283
March	7,204	7,641	7,206	6,739	6,482	7,107	6,839	6,820	6,508	6,963
April	7,625	6,931	7,021	6,960	6,805	6,809	6,644	6,715	6,476	5,887
May	9,412	9,306	8,998	8,798	8,457	8,311	8,280	8,183	7,338	7,341
June	10,741	10,288	10,109	9,584	9,253	9,511	9,337	9,101	8,562	8,459
July	10,613	9,970	9,827	9,477	9,504	9,343	8,973	8,654	8,445	8,133
August	10,898	10,084	10,014	9,672	9,389	9,609	8,942	9,133	8,642	8,354
September	9,562	9,659	9,029	8,897	8,705	9,229	8,833	8,704	8,363	7,592
October	9,394	9,247	8,824	8,782	8,511	8,622	8,525	8,391	7,997	7,562
November	8,611	9,028	8,354	8,271	8,108	8,023	8,145	8,589	7,708	7,202
December	8,983	10,162	8,711	8,318	8,750	8,549	8,264	8,867	7,401	7,075
Unknown	0	0	0	3	3	2	1	3	3	5
Total	109,549	106,751	103,642	99,308	99,677	99,679	100,170	98,134	93,084	88,737

Figure 1.14
Single- and Two-Vehicle Fatal Collisions by Month, 1988 & 1997

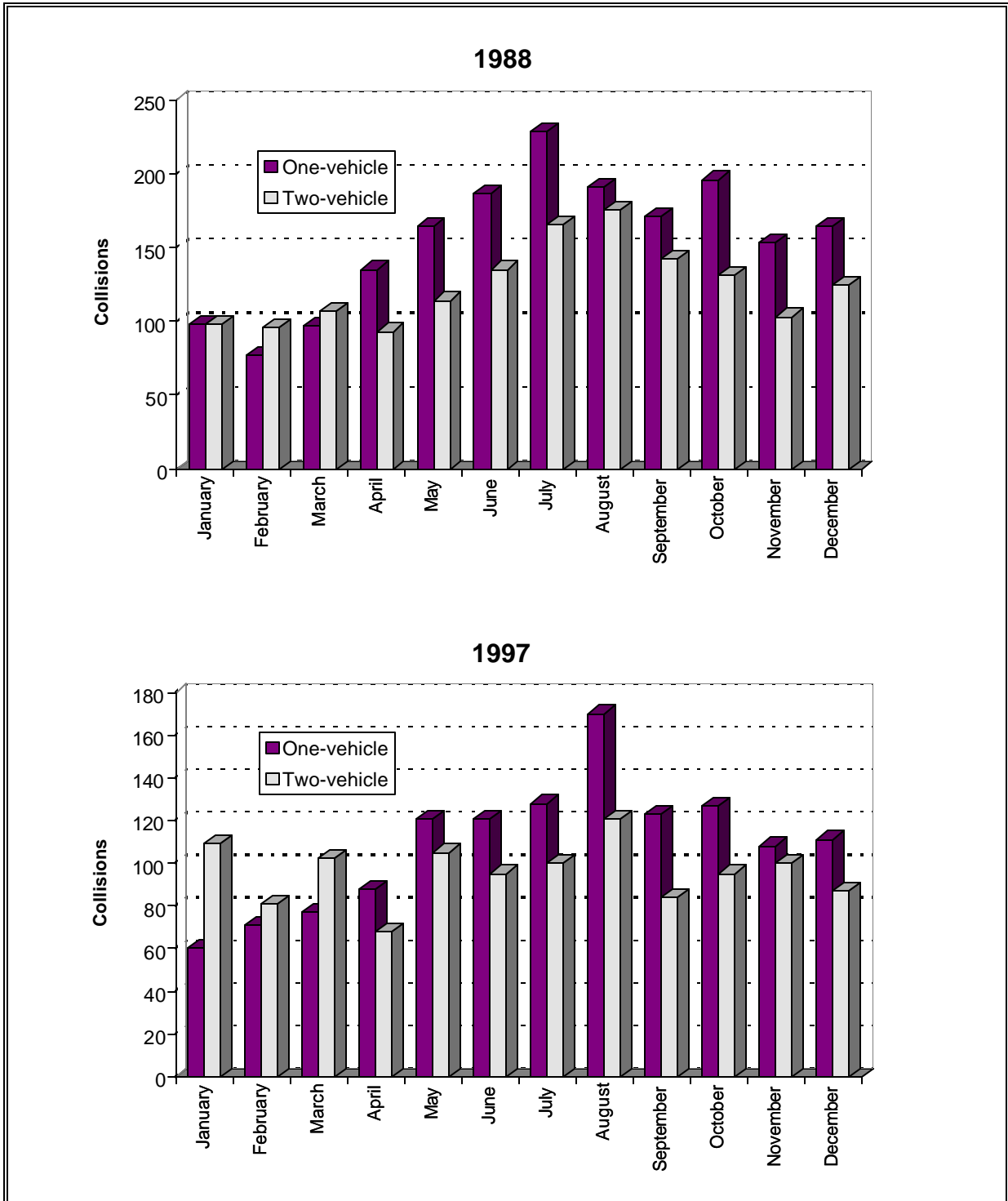


Figure 1.15
Single- and Two-Vehicle Injury Collisions by Month, 1988 & 1997

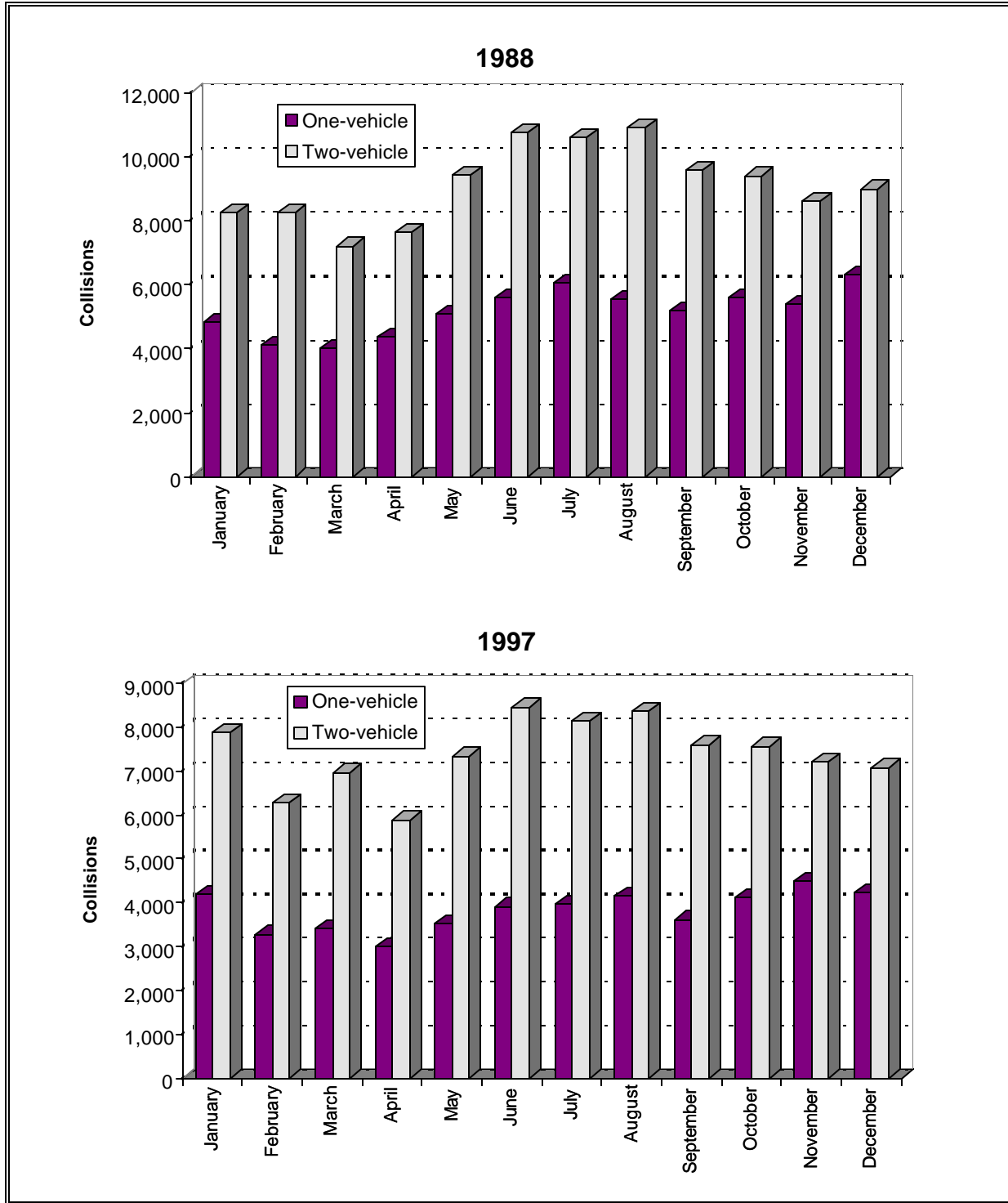


Table 1.24
Single-Vehicle Fatal and Injury Collisions by Time of Day

Year	Time of Day									Total
	Midnight to 3 a.m.	3 a.m. to 6 a.m.	6 a.m. to 9 a.m.	9 a.m. to Noon	Noon to 3 p.m.	3 p.m. to 6 p.m.	6 p.m. to 9 p.m.	9 p.m. to Midnight	Unknown	
Fatal										
1988	341	229	123	139	174	252	274	294	35	1,861
1989	285	174	141	122	156	237	243	276	32	1,666
1990	273	183	139	125	166	247	270	260	36	1,699
1991	301	191	125	135	160	228	255	220	34	1,649
1992	250	167	123	113	174	226	279	244	34	1,610
1993	245	161	128	123	144	227	229	249	33	1,539
1994	255	144	117	97	142	197	206	203	24	1,385
1995	248	162	88	109	152	190	218	222	38	1,427
1996	186	177	95	128	127	182	208	208	31	1,342
1997	210	160	100	103	118	185	167	237	25	1,305
Injury										
1988	7,829	4,572	6,343	6,193	7,825	10,907	9,312	8,331	751	62,063
1989	6,855	4,097	6,072	5,951	7,380	10,488	8,468	7,444	691	57,446
1990	6,827	4,079	5,886	5,922	7,305	10,317	8,688	7,446	713	57,183
1991	6,455	3,833	5,524	5,622	7,134	9,933	8,217	7,214	752	54,684
1992	6,259	3,713	5,313	5,467	7,035	9,490	8,109	6,909	638	52,933
1993	5,910	3,539	5,198	5,489	6,881	9,239	7,794	6,824	664	51,538
1994	5,599	3,445	4,996	5,418	6,692	9,120	7,340	6,491	744	49,845
1995	5,332	3,317	5,005	5,470	6,817	8,959	7,541	6,376	682	49,499
1996	4,967	3,248	5,022	5,308	6,497	8,606	7,145	6,002	705	47,500
1997	4,663	3,039	4,821	5,147	6,501	8,453	6,824	5,749	663	45,860

Table 1.25
Two-Vehicle Fatal and Injury Collisions by Time of Day

Year	Time of Day									Total
	Midnight to 3 a.m.	3 a.m. to 6 a.m.	6 a.m. to 9 a.m.	9 a.m. to Noon	Noon to 3 p.m.	3 p.m. to 6 p.m.	6 p.m. to 9 p.m.	9 p.m. to Midnight	Unknown	
Fatal										
1988	129	78	139	166	220	293	262	193	4	1,484
1989	140	64	152	179	251	342	256	176	5	1,565
1990	120	63	132	187	233	291	249	186	0	1,461
1991	110	48	110	141	250	294	223	150	3	1,329
1992	111	58	117	151	226	247	203	128	4	1,245
1993	115	51	136	144	204	250	228	158	5	1,291
1994	94	39	123	179	233	251	178	144	8	1,249
1995	98	50	115	147	201	243	198	122	5	1,179
1996	91	63	119	142	209	217	158	138	7	1,144
1997	82	50	109	158	197	249	164	132	6	1,147
Injury										
1988	4,915	1,746	10,585	14,168	21,050	28,800	17,586	9,925	774	109,549
1989	4,480	1,585	10,810	14,210	20,537	28,202	16,828	9,330	769	106,751
1990	4,243	1,549	10,259	13,745	20,286	27,196	16,189	9,172	1,003	103,642
1991	4,109	1,386	9,264	13,440	19,895	26,537	15,283	8,450	944	99,308
1992	3,987	1,419	8,965	13,618	20,351	26,555	15,309	8,618	855	99,677
1993	3,893	1,388	9,169	13,989	20,800	25,994	15,092	8,482	872	99,679
1994	3,720	1,346	9,702	14,058	20,569	26,652	15,045	8,149	929	100,170
1995	3,526	1,362	9,359	13,731	20,152	26,149	14,931	7,951	973	98,134
1996	3,317	1,417	9,042	13,237	19,158	24,495	13,793	7,811	814	93,084
1997	2,969	1,372	8,726	12,584	17,892	23,619	13,608	7,207	760	88,737

Figure 1.16
Single- and Two-Vehicle Fatal Collisions by Time of Day, 1988 & 1997

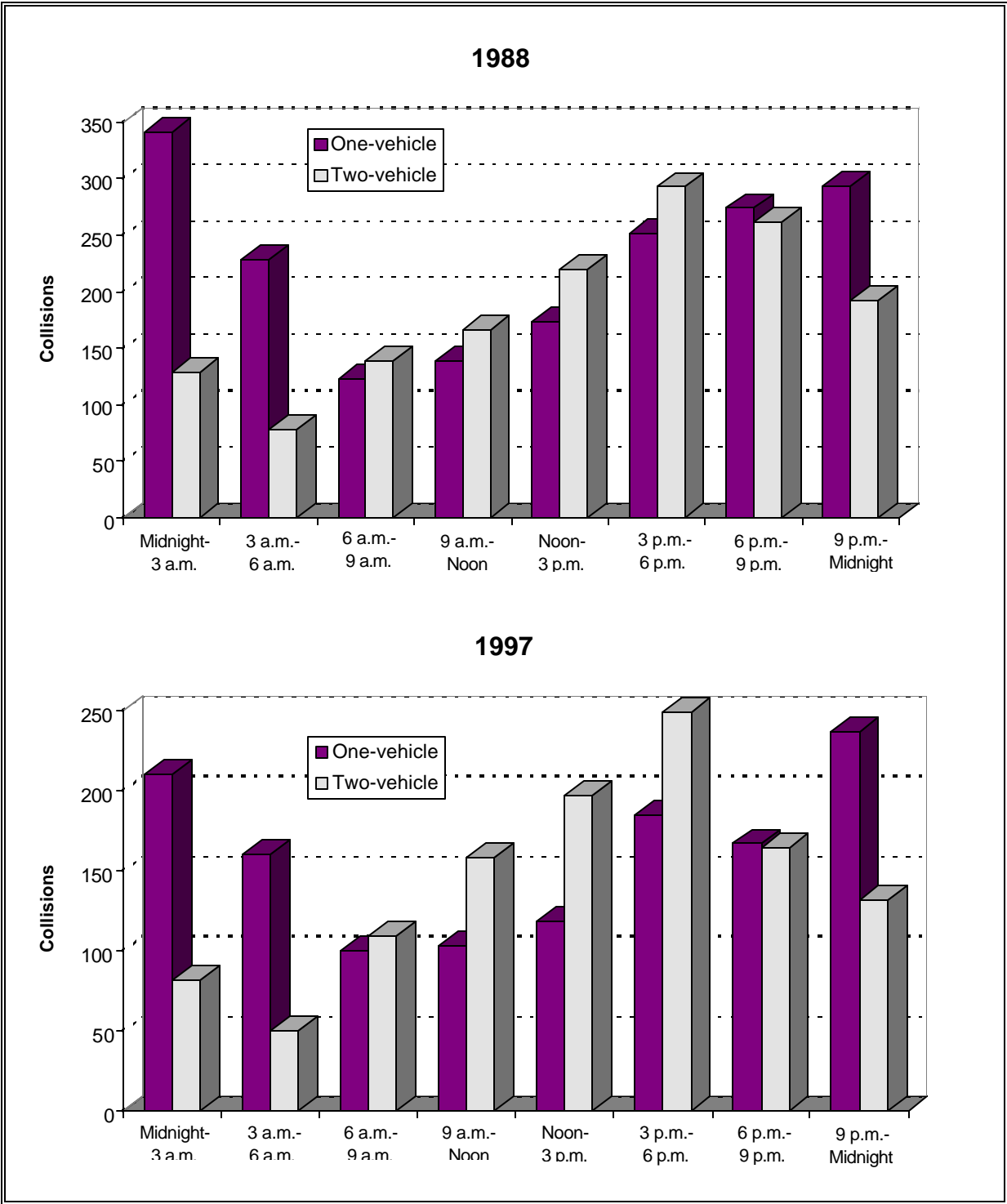


Table 1.26
Single- and Two-Vehicle Fatal and Injury Collisions by Weather Conditions

Year	Weather Conditions										Total	
	Clear		Rain		Snow, Sleet, Hail		Fog, Mist, Dust, Smoke		Other/Unknown			
	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle
Fatal												
1988	1,393	1,040	161	101	59	126	27	27	221	190	1,861	1,484
1989	1,200	1,049	139	124	75	159	39	31	213	202	1,666	1,565
1990	1,270	997	162	138	46	109	30	30	191	187	1,699	1,461
1991	1,401	1,066	145	103	44	119	30	19	29	22	1,649	1,329
1992	1,312	948	155	110	68	139	46	27	29	21	1,610	1,245
1993	1,256	979	144	135	85	150	27	13	27	14	1,539	1,291
1994	1,171	978	108	95	48	139	28	22	30	15	1,385	1,249
1995	1,213	915	113	97	55	124	21	20	25	23	1,427	1,179
1996	1,077	868	121	91	80	132	24	27	40	26	1,342	1,144
1997	1,092	869	96	95	67	150	22	14	28	19	1,305	1,147
Injury												
1988	44,231	82,733	6,506	13,416	4,846	5,287	854	712	5,626	7,401	62,063	109,549
1989	39,857	78,009	5,929	13,640	5,016	6,272	1,089	970	5,555	7,860	57,446	106,751
1990	39,333	74,430	7,161	14,974	4,575	5,482	970	848	5,144	7,908	57,183	103,642
1991	42,491	79,825	5,691	11,813	4,688	5,590	803	707	1,011	1,373	54,684	99,308
1992	39,963	78,052	6,345	13,906	4,829	5,659	873	846	923	1,214	52,933	99,677
1993	39,274	79,966	5,626	12,492	4,927	5,370	838	705	873	1,146	51,538	99,679
1994	39,307	81,177	4,816	11,374	4,169	5,634	789	745	764	1,240	49,845	100,170
1995	37,031	77,705	5,344	11,880	5,445	6,477	788	706	891	1,366	49,499	98,134
1996	34,909	72,276	5,460	12,517	5,390	5,976	743	730	998	1,585	47,500	93,084
1997	34,367	70,404	4,620	9,904	5,202	6,344	650	538	1,021	1,547	45,860	88,737

Note: All Alberta collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 1.27

Single- and Two-Vehicle Fatal and Injury Collisions by Road Classification

Year	Road Classification						Total	
	Urban		Rural		Unknown			
	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle	One-vehicle	Two-vehicle
Fatal								
1988	713	462	1,101	998	47	24	1,861	1,484
1989	576	500	1,071	1,057	19	8	1,666	1,565
1990	639	442	1,035	1,012	25	7	1,699	1,461
1991	544	358	897	749	208	222	1,649	1,329
1992	497	353	901	728	212	164	1,610	1,245
1993	511	311	835	783	193	197	1,539	1,291
1994	435	330	732	718	218	201	1,385	1,249
1995	450	295	762	700	215	184	1,427	1,179
1996	456	309	713	650	173	185	1,342	1,144
1997	395	295	701	647	209	205	1,305	1,147
Injury								
1988	29,987	85,471	29,765	20,685	2,311	3,393	62,063	109,549
1989	28,197	82,902	27,547	20,698	1,702	3,151	57,446	106,751
1990	27,885	81,285	27,536	18,727	1,762	3,630	57,183	103,642
1991	23,924	70,630	23,654	16,039	7,106	12,639	54,684	99,308
1992	23,449	71,246	23,054	15,901	6,430	12,530	52,933	99,677
1993	22,857	71,670	22,381	15,885	6,300	12,124	51,538	99,679
1994	22,410	71,703	21,477	16,072	5,958	12,395	49,845	100,170
1995	22,119	70,124	21,198	15,400	6,182	12,610	49,499	98,134
1996	21,188	65,317	20,172	14,691	6,140	13,076	47,500	93,084
1997	20,113	61,248	19,429	14,513	6,318	12,976	45,860	88,737

Note: All Alberta collisions from 1991 to 1997 and all Yukon collisions from 1995 to 1997 are included in the Unknown category.

Figure 1.17

Single- and Two-Vehicle Fatal Collisions by Road Classification, 1988-1997

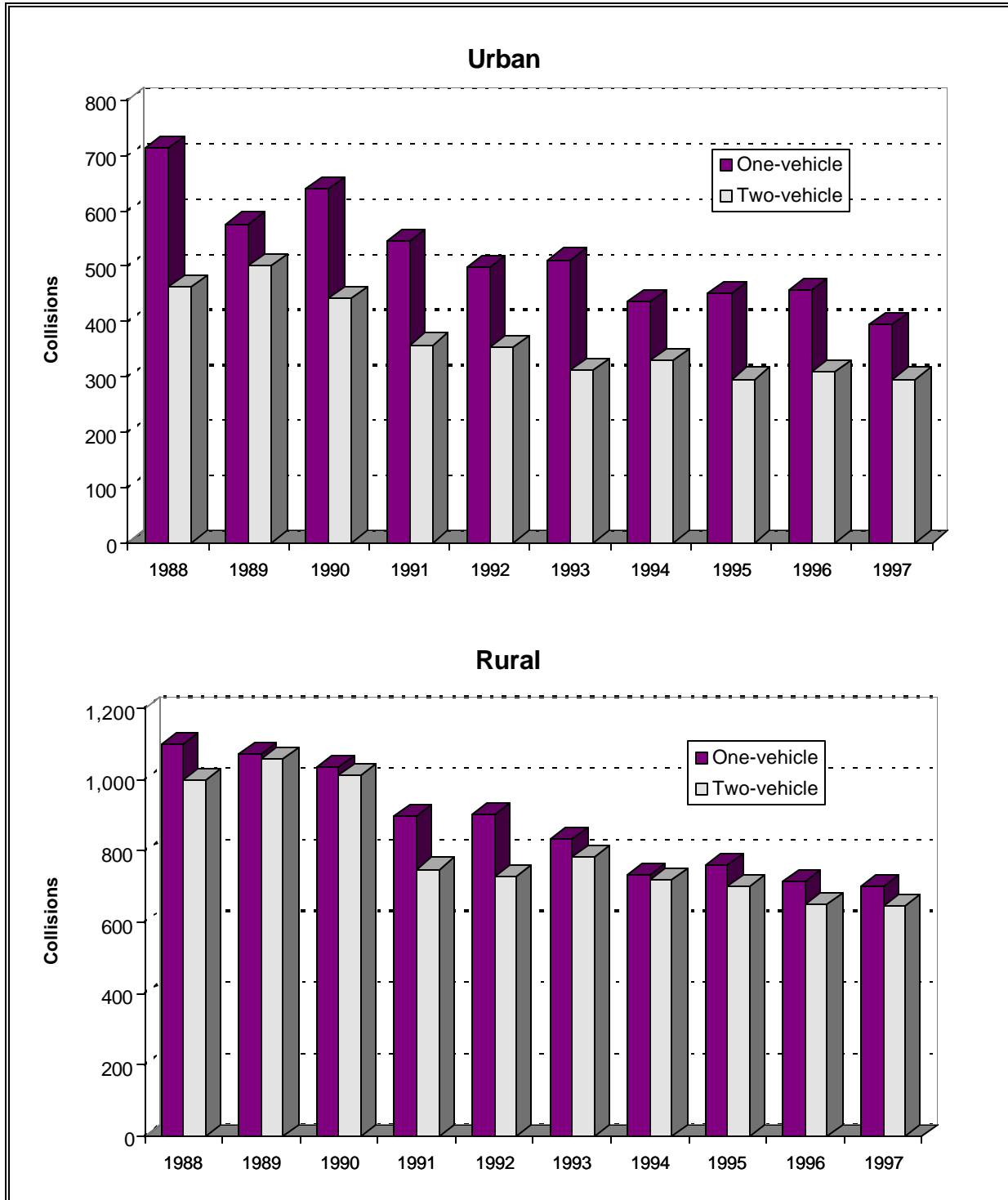


Figure 1.18

Single- and Two-Vehicle Injury Collisions by Road Classification, 1988-1997

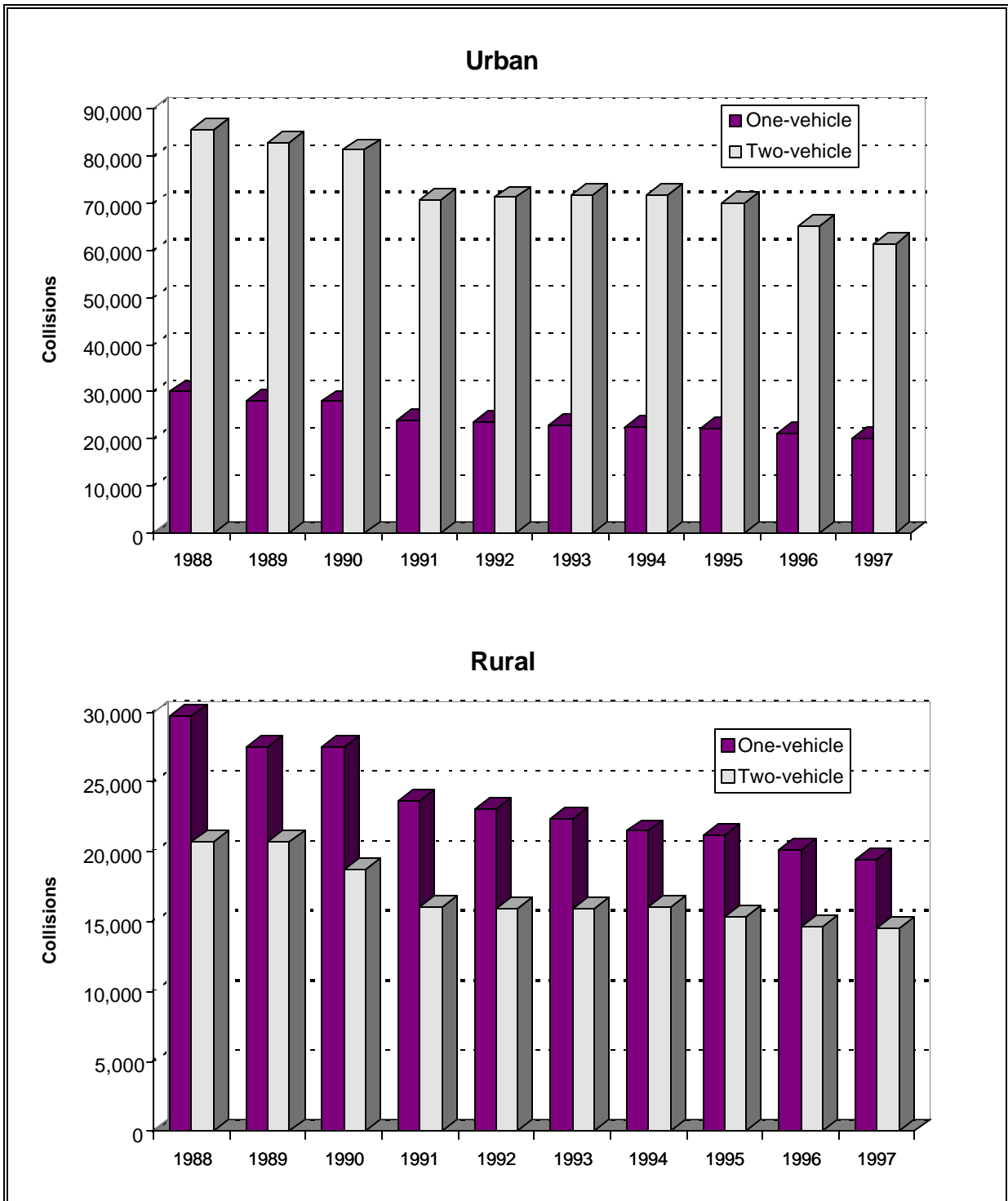


Table 1.28
Single-Vehicle Fatal and Injury Collisions by Speed Limit

Speed Limit	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
10 km/h	1	4	2	4	3		1	49	1	1
20 km/h	4	8	2	5	3	3	1	3	2	3
30 km/h	21	17	17	16	17	11	19	13	10	16
40 km/h	24	22	16	23	14	12	14	20	18	13
50 km/h	428	338	421	381	348	341	305	305	318	267
60 km/h	143	109	100	119	87	131	94	105	97	90
70 km/h	80	65	57	53	77	79	60	63	62	74
80 km/h	439	430	392	379	391	361	288	296	296	283
90 km/h	288	257	297	247	218	220	207	185	174	148
100 km/h	185	156	154	170	176	138	110	124	138	143
110 km/h	0	5	2	6	2	4	8	4	2	6
Other/Unkn.	248	255	239	246	274	239	278	260	224	261
Total	1,861	1,666	1,699	1,649	1,610	1,539	1,385	1,427	1,342	1,305
Injury										
10 km/h	143	184	214	228	187	74	58	1,263	138	119
20 km/h	193	225	148	159	165	239	243	160	167	147
30 km/h	1,038	893	919	904	767	750	826	808	765	670
40 km/h	1,055	959	1,013	927	991	924	970	942	1,001	969
50 km/h	21,083	19,111	19,014	17,235	16,691	16,223	15,971	15,245	14,968	13,871
60 km/h	4,266	4,094	3,819	3,539	3,648	3,705	3,645	3,411	3,219	3,147
70 km/h	2,199	1,993	1,823	1,962	1,961	1,879	1,758	1,761	1,843	1,799
80 km/h	12,615	11,710	11,264	10,639	10,279	9,982	9,164	8,428	8,286	7,800
90 km/h	6,825	5,457	5,853	5,645	5,548	5,228	5,120	5,400	4,964	4,650
100 km/h	4,527	4,312	4,517	4,320	4,350	4,318	4,172	4,114	4,372	4,627
110 km/h	0	90	94	106	122	118	152	144	174	165
Other/Unkn.	8,119	8,418	8,505	9,020	8,224	8,098	7,766	7,823	7,603	7,896
Total	62,063	57,446	57,183	54,684	52,933	51,538	49,845	49,499	47,500	45,860

Note: All Alberta collisions from 1988 to 1997 and all Yukon collisions from 1990 to 1994 are included in the Other/Unknown category.

Table 1.29
Two-Vehicle Fatal and Injury Collisions by Speed Limit

Speed Limit	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
10 km/h	2	1	0	1	1	1	0	13	0	0
20 km/h	0	3	1	1	0	0	1	0	0	1
30 km/h	4	10	3	8	4	4	7	2	4	4
40 km/h	11	8	4	4	4	8	3	7	3	8
50 km/h	252	266	231	218	184	164	185	169	157	148
60 km/h	98	82	87	66	77	87	70	71	77	83
70 km/h	71	80	69	66	69	68	57	64	57	62
80 km/h	369	403	373	343	304	345	327	296	288	267
90 km/h	331	341	330	280	283	283	282	258	258	233
100 km/h	151	149	161	140	148	142	141	133	127	139
110 km/h	0	3	1	1	1		1	3	1	1
Other/Unkn.	195	219	201	201	170	189	175	163	172	201
Total	1,484	1,565	1,461	1,329	1,245	1,291	1,249	1,179	1,144	1,147
Injury										
10 km/h	183	173	192	181	159	74	61	1,684	105	123
20 km/h	211	186	197	206	189	232	231	176	148	108
30 km/h	1,444	1,370	1,337	1,333	1,280	1,241	1,348	1,272	1,046	899
40 km/h	1,731	1,726	1,604	1,516	1,627	1,620	1,551	1,666	1,566	1,540
50 km/h	59,169	56,123	54,300	50,916	51,220	51,009	50,628	48,687	46,436	42,697
60 km/h	14,139	13,444	12,913	11,238	11,534	12,080	12,220	11,946	11,533	11,248
70 km/h	3,599	3,599	3,268	3,184	3,196	3,484	3,490	3,170	3,108	3,246
80 km/h	9,543	9,382	8,217	7,719	7,676	7,531	7,546	6,684	6,381	6,292
90 km/h	4,110	3,773	3,637	3,313	3,310	3,364	3,405	3,396	3,073	3,207
100 km/h	4,123	4,311	3,798	3,547	3,430	3,492	3,539	3,414	3,791	3,561
110 km/h	0	13	22	17	30	13	39	13	27	33
Other/Unkn.	11,297	12,651	14,157	16,138	16,026	15,539	16,112	16,026	15,870	15,783
Total	109,549	106,751	103,642	99,308	99,677	99,679	100,170	98,134	93,084	88,737

Note: All Alberta collisions from 1988 to 1997 and all Yukon collisions from 1990 to 1994 are included in the Other/Unknown category.

Figure 1.19
Single- and Two-Vehicle Fatal Collisions by Speed Limit, 1988 & 1997

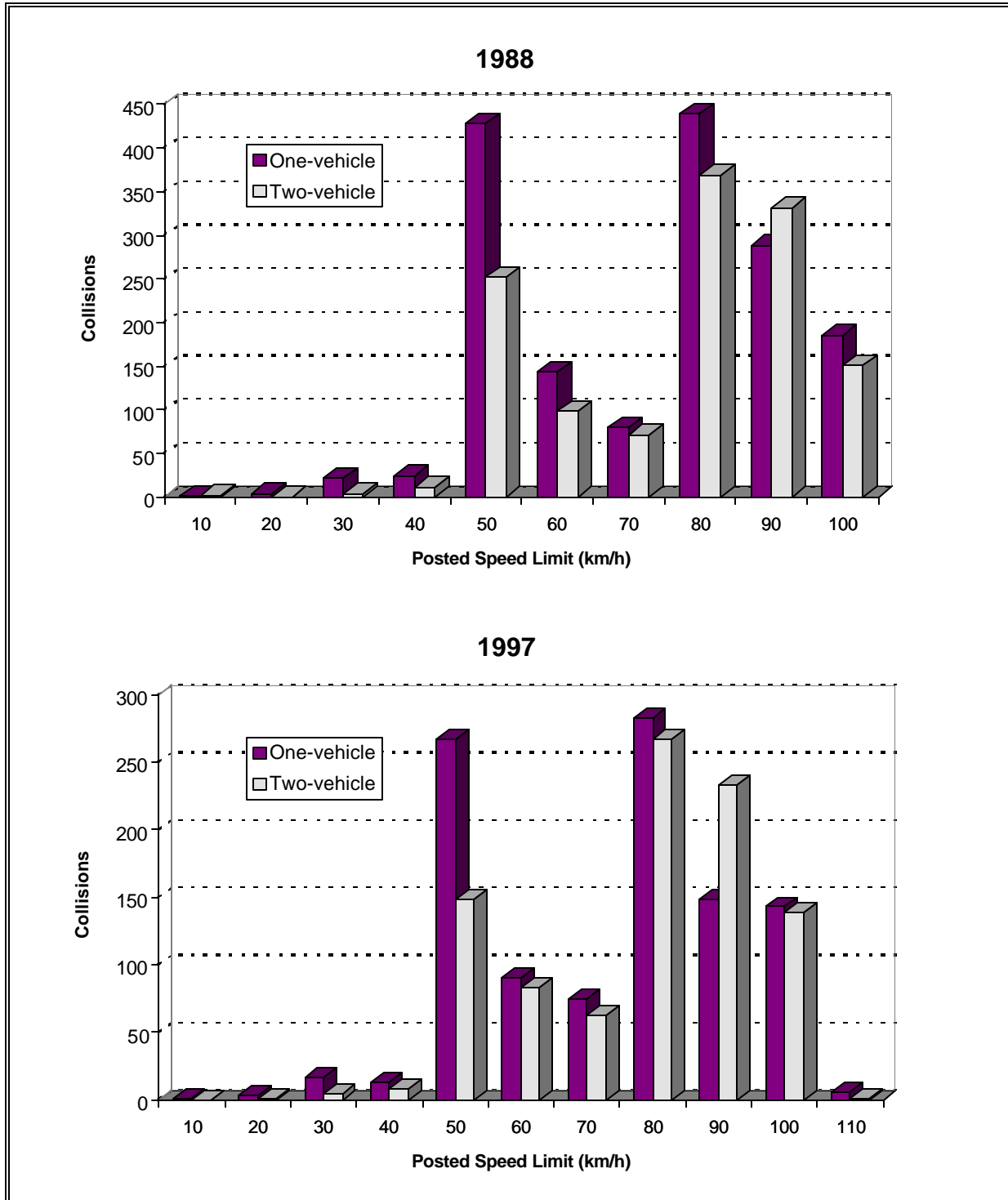


Table 1.30
Single-Vehicle Fatal and Injury Collisions by Vehicle Type Involved

Year	Vehicle Type						Total
	Automobile	Light Truck	Bus	Large Truck	Motorcycle	Other	
Fatal							
1988	1,147	402	18	88	99	107	1,861
1989	998	418	12	101	82	55	1,666
1990	1,006	404	15	112	102	60	1,699
1991	998	368	16	103	87	77	1,649
1992	964	387	12	70	83	94	1,610
1993	885	390	7	87	99	71	1,539
1994	813	352	12	74	56	78	1,385
1995	826	375	10	68	74	74	1,427
1996	793	347	15	65	57	65	1,342
1997	690	401	14	72	50	78	1,305
Injury							
1988	42,434	10,786	521	1,725	3,882	2,715	62,063
1989	39,211	11,302	492	1,768	3,144	1,529	57,446
1990	38,818	11,464	562	1,753	3,162	1,424	57,183
1991	37,246	10,967	412	1,555	2,999	1,505	54,684
1992	36,512	10,500	435	1,448	2,606	1,432	52,933
1993	35,500	10,412	424	1,482	2,393	1,327	51,538
1994	33,866	10,387	394	1,509	2,328	1,361	49,845
1995	33,360	10,625	417	1,474	2,137	1,486	49,499
1996	31,909	10,487	428	1,387	1,898	1,391	47,500
1997	30,297	10,465	383	1,520	1,839	1,356	45,860

Light Truck: Pickups, vans, sport utilities, or other types of trucks with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

**Table 1.31
Two-Vehicle Fatal Collisions by Vehicle Pairs Involved**

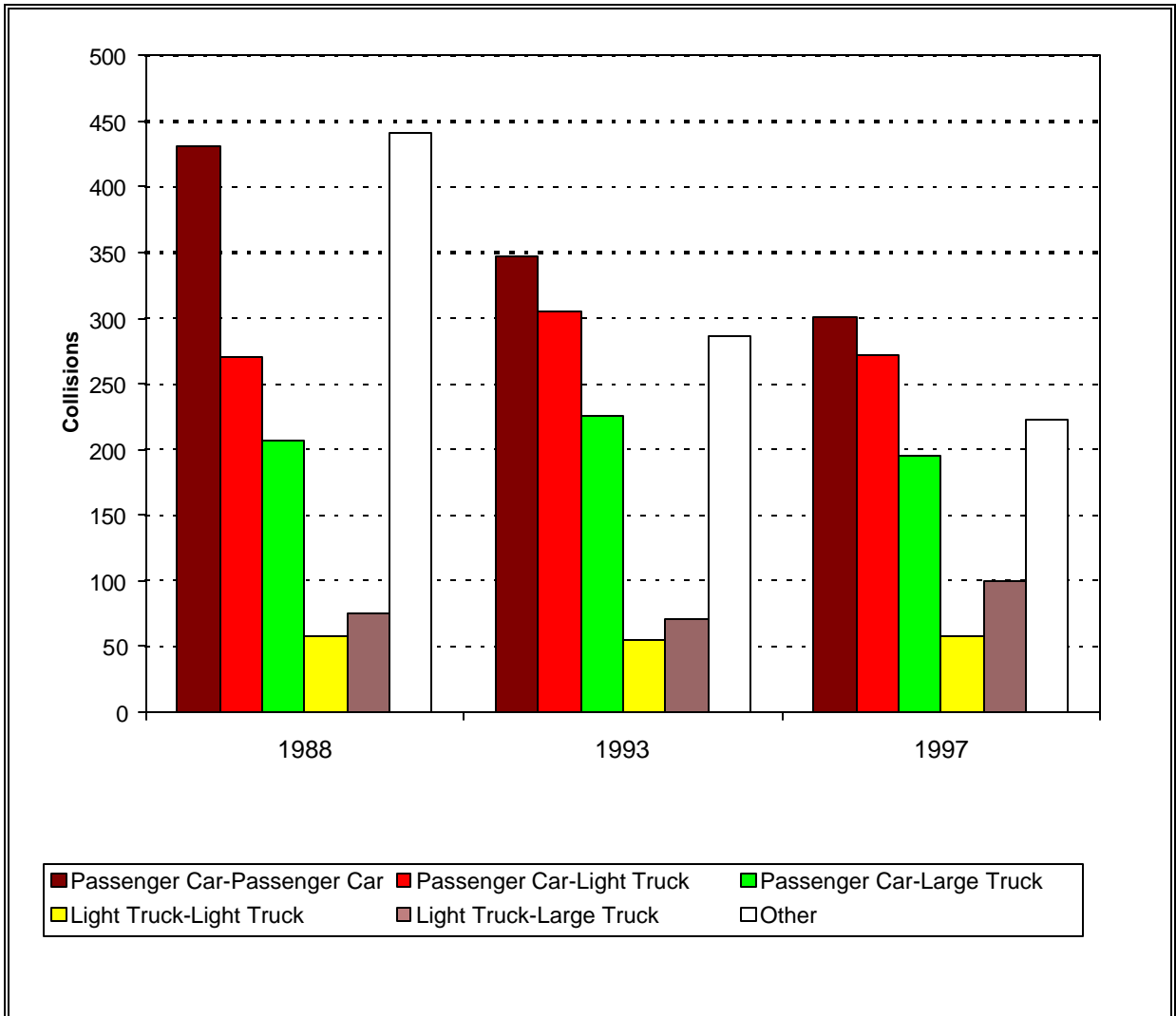
Vehicle Pair	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Passenger Car vs.										
Passenger Car	431	456	451	372	365	348	341	327	304	301
Light Truck	271	354	297	279	277	305	290	264	273	272
Large Truck	206	273	226	205	204	225	213	198	192	195
Bus	16	17	14	18	15	15	13	12	7	13
Motorcycle	91	75	88	66	46	56	50	41	27	40
Bicycle	62	48	56	46	35	39	40	34	37	26
Other	103	64	54	65	49	47	31	55	51	41
Light Truck vs.										
Light Truck	58	57	57	45	41	55	57	66	67	57
Large Truck	75	72	77	63	79	70	77	73	73	99
Bus	3	4	8	8	2	4	5	3	5	2
Motorcycle	33	29	25	27	21	22	22	19	19	12
Bicycle	21	26	24	30	15	22	16	11	8	19
Other	22	19	24	33	26	18	28	15	22	25
Large Truck vs.										
Large Truck	11	12	13	6	10	7	9	14	10	10
Bus	1	4	3	2	2	0	1	0	0	0
Motorcycle	11	12	16	15	12	8	9	10	10	5
Bicycle	11	9	7	12	10	11	14	8	9	9
Other	7	7	6	15	8	8	12	13	12	9
Bus vs.										
Bus	0	1	0	1	1	0	0	0	0	0
Motorcycle	5	2	1	1	0	1	1	0	0	0
Bicycle	7	1	2	5	3	3	2	2	1	0
Other	2	1	1	0	1	1	0	0	0	0
Motorcycle vs.										
Motorcycle	1	3	1	2	2	3	3	1	3	2
Bicycle	4	0	3	1	4	0	0	1	1	0
Other	7	6	2	6	5	4	3	3	2	2
Other vs.										
Bicycle	6	2	2	0	1	2	1	2	2	2
Other	18	11	3	6	10	16	10	6	8	6
Total Collisions	1,483	1,565	1,461	1,329	1,244	1,290	1,248	1,178	1,143	1,147

Note: Collision totals may differ from other tables due to the exclusion of some collisions with ambiguous data.

Light Truck: Pickups, vans, sport utilities, or other types of trucks with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs). Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Figure 1.20

Two-Vehicle Fatal Collisions by Vehicle Pairs Involved, 1988, 1993 & 1997



2. VEHICLES

This section examines the characteristics, manoeuvres, and events associated with vehicles involved in casualty collisions between 1988 and 1997. Some of the more noteworthy findings include:

- From 1988 to 1997 an average of 14.7% of vehicles involved in fatal crashes were one year old or less, 30.1% of vehicles were between two and five years old, and 29.3% of vehicles were between six and ten years old. During the ten-year period, the number of vehicles one year old or less decreased from 19.0% of total vehicles in fatal collisions in 1988 to 13.1% in 1997, while the number of vehicles two to five years old decreased from 31.6% to 25.3% of total vehicles in fatal collisions. During the same period, the number of vehicles six to ten years old increased from 27.2% to 32.0% of total vehicles involved in fatal crashes. (Tables 2.1, 2.2)
- Vehicles involved in fatal and injury collisions were most often reported as going straight ahead at the time of the collision, averaging 68.5% of vehicles in fatal crashes and 53.6% of those involved in injury collisions. The second most common manoeuvre reported in fatal collisions was turning left, while for injury-producing collisions turning left and being stopped in traffic were the next most common manoeuvres. (Tables 2.3, 2.4)
- Over the ten-year period, an average of 56.1% of vehicles involved in fatal collisions were passenger cars and 21.8% were light trucks. However, the proportion that were passenger cars decreased during this time period from 57.4% to 53.2%, while the proportion that were light trucks increased from 18.9% to 24.7%. (Table 2.5)
- An average of 71.3% of vehicles involved in injury collisions were passenger cars and 16.8% were light trucks. The number of light trucks increased from 13.6% of vehicles involved in 1988 to 19.5% of vehicles involved in 1997. (Table 2.5)
- On average, large trucks (gross vehicle weight rating of 4,536 kg or greater) made up 3.9% of vehicles involved in fatal collisions and 1.6% of vehicles in injury collisions, while tractor trailers made up an average of 6.7% of vehicles involved in fatal crashes and 1.3% of those involved in injury collisions. (Table 2.5)
- On average, the most frequently reported first vehicle event in crashes was “hit other vehicle,” cited for 51.5% of vehicles involved in fatal collisions and 67.9% of vehicles involved in injury collisions. (Tables 2.9, 2.10)
- In both fatal and injury-producing collisions, the most common first damage location on the vehicle was the front, reported for an average of 19.5% of vehicles in fatal crashes and 21.1% of vehicles involved in injury collisions. However, first damage location was not reported for about 30% of damaged vehicles. (Tables 2.12, 2.13)

- An average of 9.7% of vehicles involved in fatal collisions rolled over. Light trucks had a higher incidence of rollovers in fatal collisions than did passenger cars (12.7% of light trucks versus 9.6% of passenger cars). (Table 2.14)

Table 2.1
Vehicles Involved in Fatal Collisions by Model Year

Model Year	Calendar Year									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Pre-1960/Unknown	495	412	496	403	774	443	376	297	272	244
1960-1969	75	67	46	37	29	27	33	22	14	15
1970-1979	1,302	1,091	777	628	378	395	296	237	193	183
1980-1984	1,731	1,581	1,422	1,152	933	945	730	688	494	386
1985	498	484	465	394	354	361	298	278	241	198
1986	546	580	426	472	359	356	310	303	299	243
1987	560	569	495	379	364	382	327	318	259	260
1988	495	579	571	460	387	430	386	343	323	305
1989	37	451	566	475	374	399	376	366	319	288
1990		23	358	420	377	381	353	298	279	289
1991			20	312	295	340	319	254	284	226
1992				29	248	368	295	317	256	246
1993					26	276	317	327	258	254
1994						23	286	344	290	274
1995							30	277	338	307
1996								10	254	251
1997									23	284
1998										26
Total	5,739	5,837	5,642	5,161	4,898	5,126	4,732	4,679	4,396	4,279

Table 2.2
Vehicles Involved in Injury Collisions by Model Year

Model Year	Calendar Year									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Pre-1960/Unknown	27,729	27,122	27,033	27,070	25,985	26,627	26,347	24,455	23,280	20,724
1960-1969	3,974	2,973	2,496	1,902	1,588	1,352	1,134	974	738	663
1970-1979	74,988	56,330	44,192	32,897	26,534	20,213	16,223	12,382	9,177	6,851
1980-1984	108,919	96,835	86,452	74,179	66,662	57,973	48,089	39,865	30,139	23,357
1985	30,824	28,039	25,882	23,384	22,830	21,691	19,841	17,576	14,503	11,784
1986	34,712	31,446	28,840	26,777	26,009	25,189	23,645	22,186	19,248	16,376
1987	33,247	30,424	27,097	24,465	24,294	23,308	22,404	21,363	19,040	17,036
1988	26,316	35,091	30,679	27,782	26,910	25,701	25,012	24,667	22,736	20,978
1989	1,292	23,761	29,961	26,765	25,513	24,574	23,933	22,989	21,658	20,367
1990		1,383	19,183	24,628	23,649	22,295	21,663	21,021	19,938	18,814
1991			1,031	16,768	22,140	20,988	20,258	19,701	18,706	17,314
1992				1,262	15,178	21,448	20,896	19,528	18,598	17,748
1993					971	14,039	20,492	18,923	17,645	16,705
1994						819	13,904	19,187	17,813	16,589
1995							1,287	14,416	19,319	18,133
1996								695	11,534	15,206
1997									1,099	14,387
1998										1,389
Total	342,001	333,404	322,846	307,879	308,263	306,217	305,128	299,928	285,171	274,421

Figure 2.1

Vehicles Involved in Fatal and Injury Collisions by Age of Vehicle, 1988-1997

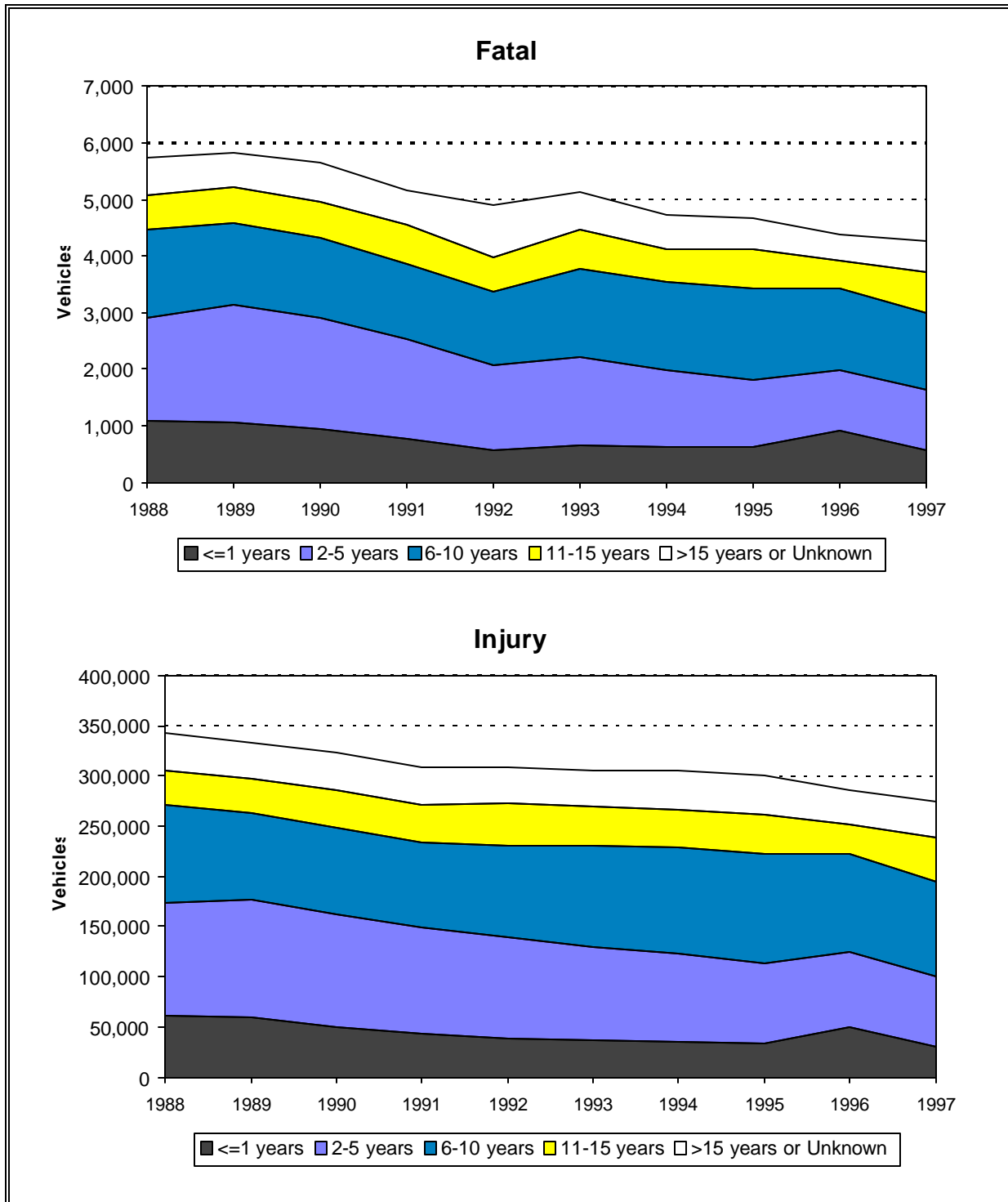


Table 2.3
Vehicles Involved in Fatal Collisions by Vehicle Manoeuvre

Vehicle Manoeuvre	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Going Straight Ahead	3,942	3,923	3,875	3,496	3,438	3,541	3,179	3,232	3,052	2,906
Turning Left	253	261	259	213	188	190	198	198	170	188
Turning Right	56	50	45	46	35	47	44	34	40	25
Making U-turn	11	16	13	13	8	11	10	21	10	12
Changing Lanes	76	65	67	52	71	70	54	51	49	51
Merging	17	34	18	10	13	17	13	12	14	13
Reversing	42	35	43	35	34	38	39	30	34	28
Overtaking	152	177	146	161	129	110	117	102	88	86
Slowing/Stopping	55	64	67	66	59	68	60	55	49	50
Stopped in Traffic	78	113	74	72	72	100	79	65	70	69
Starting in Traffic	36	25	21	26	23	22	14	18	20	20
Starting from Parked	5	6	7	8	6	3	8	6	5	8
Entering Parked Position	12	7	6	8	7	5	6	10	6	6
Parked Legally	88	93	109	83	89	98	72	88	102	45
Parked Illegally	10	12	15	6	8	13	9	10	16	6
Swerving to Avoid Object	12	9	12	16	16	11	9	8	8	11
Other/Unknown	894	947	865	850	702	782	821	739	663	755
Total Vehicles	5,739	5,837	5,642	5,161	4,898	5,126	4,732	4,679	4,396	4,279

Note: All Alberta collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 2.4
Vehicles Involved in Injury Collisions by Vehicle Manoeuvre

Vehicle Manoeuvre	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Going Straight Ahead	191,079	182,954	176,051	166,428	166,992	164,152	161,326	157,277	148,226	141,511
Turning Left	32,711	31,594	29,784	28,287	28,400	28,745	28,750	28,544	26,729	25,013
Turning Right	8,696	8,499	8,517	8,518	8,132	8,345	8,378	8,301	7,407	7,168
Making U-turn	949	863	848	814	903	853	916	921	896	811
Changing Lanes	5,315	5,288	4,785	4,443	4,392	4,360	4,224	4,188	3,837	3,489
Merging	1,866	1,818	1,799	1,825	1,953	1,949	1,904	1,816	1,600	1,687
Reversing	2,927	2,639	2,848	2,805	2,832	2,796	2,795	2,653	2,422	2,386
Overtaking	4,181	3,968	3,374	3,234	2,884	2,976	2,981	2,735	2,439	2,340
Slowing/Stopping	19,730	20,626	19,043	17,226	18,134	17,929	18,522	18,086	17,032	16,546
Stopped in Traffic	32,959	32,347	32,655	30,663	31,303	30,675	30,720	30,670	28,539	26,560
Starting in Traffic	2,624	2,670	2,536	2,441	2,550	2,756	2,633	2,599	2,391	2,335
Starting from Parked	680	617	689	715	699	690	700	583	595	537
Entering Parked Position	539	485	457	491	462	392	423	398	361	327
Parked Legally	6,438	6,094	5,795	5,237	5,336	5,100	4,960	4,479	4,258	3,940
Parked Illegally	268	278	278	241	255	228	228	228	169	161
Swerving to Avoid Object	504	369	549	620	587	521	512	436	420	363
Other/Unknown	30,535	32,295	32,838	33,891	32,449	33,750	35,156	36,014	37,850	39,247
Total Vehicles	342,001	333,404	322,846	307,879	308,263	306,217	305,128	299,928	285,171	274,421

Note: All Alberta collisions from 1988 to 1997 are included in the Other/Unknown category.

Figure 2.2
Vehicles Involved in Fatal and Injury Collisions by Vehicle Manoeuvre,
1988-1997

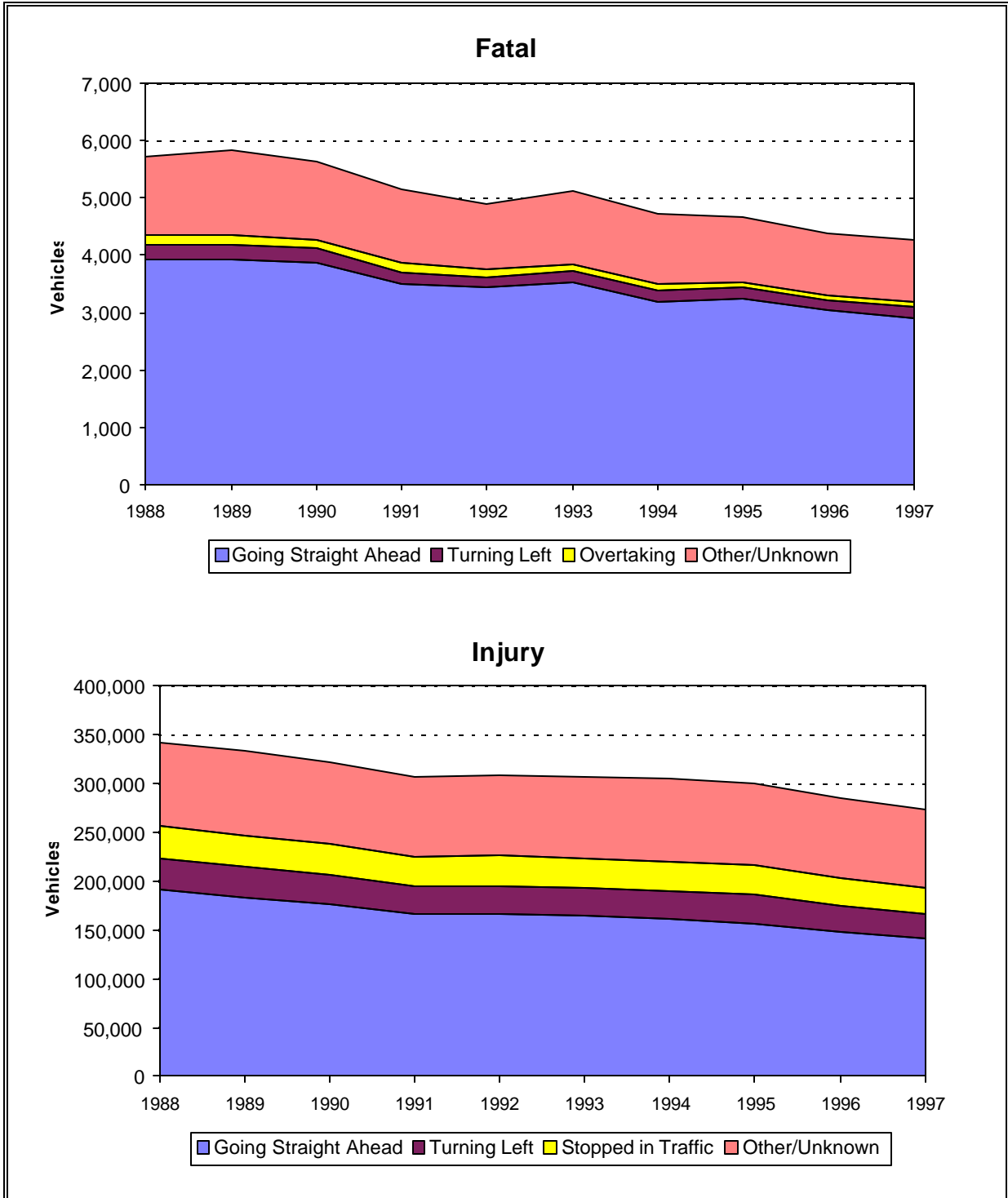
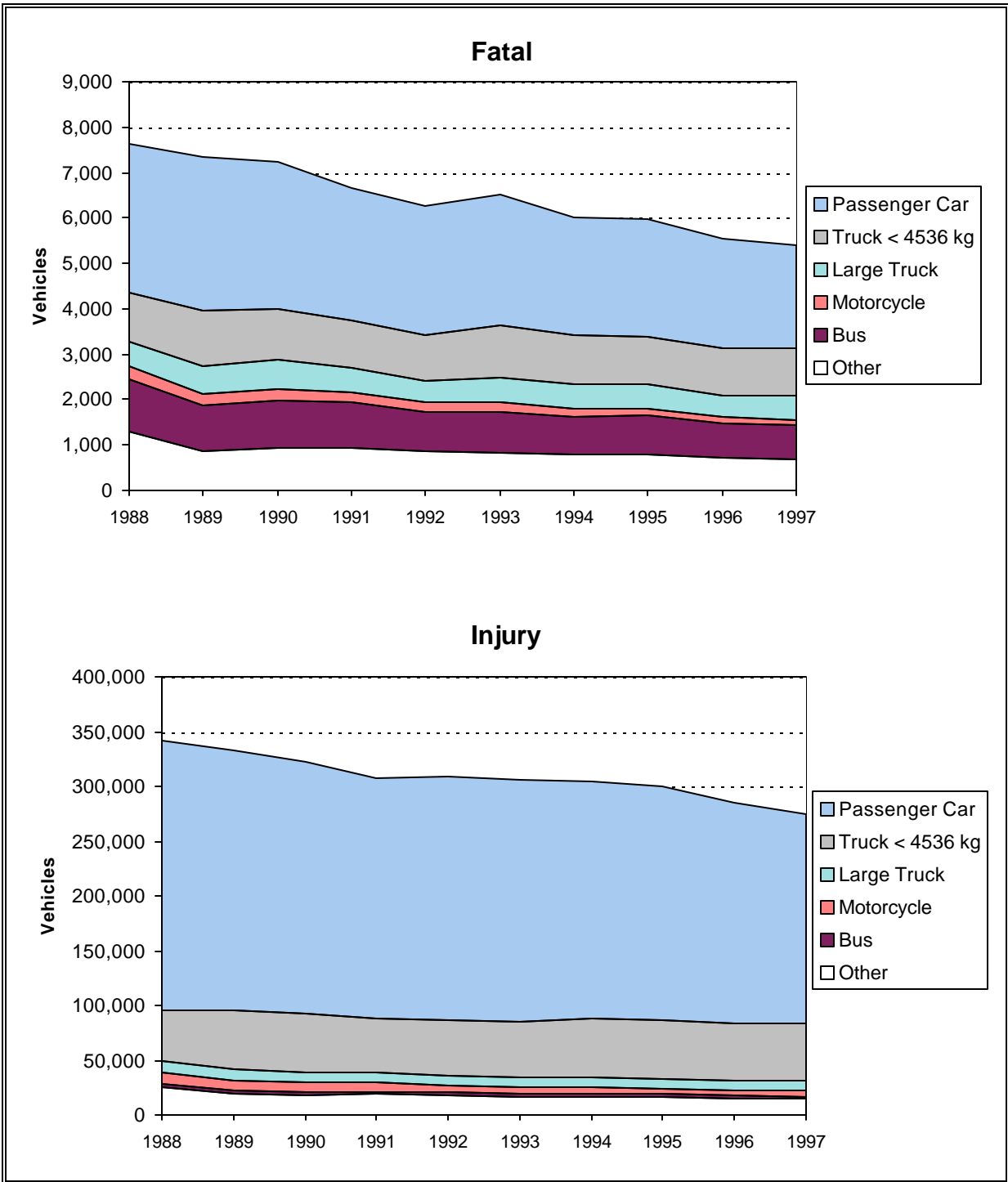


Table 2.5
Vehicles Involved in Fatal and Injury Collisions by Vehicle Type

Vehicle Type	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatal										
Passenger Car	3,293	3,367	3,227	2,924	2,818	2,866	2,605	2,583	2,431	2,277
Truck <4,536 kg	1,087	1,232	1,143	1,056	1,026	1,147	1,083	1,077	1,037	1,059
Truck >4,536 kg	178	256	231	201	184	212	197	163	167	179
Tractor Trailer	336	363	385	330	295	343	328	346	294	335
Transit Bus	18	10	9	6	12	10	11	6	7	9
Intercity Bus	5	3	7	10	4	1	7	5	7	4
School Bus	24	26	20	31	21	12	16	10	12	8
Bus (unspec.)	14	14	17	15	9	14	9	10	13	11
Motorcycle	284	251	273	227	189	217	164	170	141	126
Other/Unkn.	370	209	217	250	253	219	221	239	224	197
Bicycle	130	106	113	111	87	85	91	70	63	74
Total	5,739	5,837	5,642	5,161	4,898	5,126	4,732	4,679	4,396	4,279
Injury										
Passenger Car	246,999	238,463	230,918	220,148	222,366	220,611	216,860	212,763	201,529	190,256
Truck <4,536 kg	46,382	52,921	52,512	49,562	50,199	51,425	53,694	53,974	52,798	53,478
Truck >4,536 kg	5,147	6,326	5,654	5,094	4,814	4,794	4,871	4,625	4,642	4,652
Tractor Trailer	4,318	4,511	4,119	3,718	3,556	3,728	4,201	3,943	3,869	4,182
Transit Bus	866	749	842	767	737	714	754	747	762	700
Intercity Bus	149	199	217	190	203	210	229	182	207	177
School Bus	601	683	665	588	564	542	560	559	475	508
Bus (unspec.)	877	783	805	581	561	567	612	559	505	521
Motorcycle	11,209	9,106	8,574	7,990	7,051	6,560	6,272	5,663	4,846	4,699
Other/Unkn.	13,510	8,082	7,543	7,523	7,185	6,508	6,490	6,802	6,596	6,571
Bicycle	11,943	11,581	10,997	11,718	11,027	10,558	10,585	10,111	8,942	8,677
Total	342,001	333,404	322,846	307,879	308,263	306,217	305,128	299,928	285,171	274,421

Figure 2.3
Vehicles Involved in Fatal and Injury Collisions by Vehicle Type, 1988-1997



Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Table 2.6
Vehicles Involved in Fatal and Injury Collisions by Vehicle Damage Severity

Year	Vehicle Damage Severity						Total
	No Visible Damage	Light Damage	Moderate Damage	Severe Damage	Demolished	Other/Unknown	
Fatal							
1988	159	280	294	469	1,372	3,165	5,739
1989	159	262	293	464	1,454	3,205	5,837
1990	113	299	301	442	1,331	3,156	5,642
1991	114	232	266	394	1,402	2,753	5,161
1992	131	227	291	371	1,358	2,520	4,898
1993	128	263	304	399	1,451	2,581	5,126
1994	107	232	257	400	1,396	2,340	4,732
1995	87	226	227	385	1,334	2,420	4,679
1996	110	218	232	337	1,194	2,305	4,396
1997	95	186	208	363	1,168	2,259	4,279
Injury							
1988	19,899	51,370	53,623	44,134	19,669	153,306	342,001
1989	20,394	54,336	55,371	44,034	20,302	138,967	333,404
1990	18,401	47,716	49,639	39,024	17,430	150,636	322,846
1991	17,146	44,930	45,087	36,515	17,697	146,504	307,879
1992	16,481	44,541	46,245	37,284	18,339	145,373	308,263
1993	15,675	44,050	45,738	37,212	19,046	144,496	306,217
1994	15,357	45,300	47,238	36,897	18,632	141,704	305,128
1995	14,751	45,253	46,336	36,050	18,063	139,475	299,928
1996	14,587	42,914	44,102	34,592	16,936	132,040	285,171
1997	13,259	40,146	40,372	32,941	15,783	131,920	274,421

Note: All Alberta, Manitoba, New Brunswick, Nova Scotia, and Newfoundland collisions from 1988 to 1997, all P.E.I. collisions from 1988 to 1995, all Quebec collisions from 1989 to 1997, and all Saskatchewan collisions from 1988 to 1990 are included in the Other/Unknown category.

Table 2.7
Vehicles Involved in Fatal Collisions by Vehicle Type and Vehicle Damage Severity

Year	Damage Severity	Vehicle Type						Total
		Passenger Car	Light Truck	Large Truck	Bus	Motorcycle	Other	
1988	None Visible	49	37	36	14	0	23	159
	Light	136	56	49	7	9	23	280
	Moderate	152	53	54	4	16	15	294
	Severe	215	106	76	6	45	21	469
	Demolished	951	244	69	2	66	40	1,372
	Other/Unknown	1,790	591	230	28	148	378	3,165
	Total	3,293	1,087	514	61	284	500	5,739
1989	None Visible	66	34	37	4	0	18	159
	Light	126	62	49	3	5	17	262
	Moderate	155	67	44	7	12	8	293
	Severe	223	106	89	5	28	13	464
	Demolished	995	284	59	4	69	43	1,454
	Other/Unknown	1,802	679	341	30	137	216	3,205
	Total	3,367	1,232	619	53	251	315	5,837
1990	None Visible	46	17	29	8	2	11	113
	Light	136	56	67	5	8	27	299
	Moderate	134	60	61	5	24	17	301
	Severe	217	103	71	6	30	15	442
	Demolished	928	244	70	3	62	24	1,331
	Other/Unknown	1,766	663	318	26	147	236	3,156
	Total	3,227	1,143	616	53	273	330	5,642
1991	None Visible	48	25	22	11	2	6	114
	Light	106	43	51	3	4	25	232
	Moderate	117	51	66	4	13	15	266
	Severe	189	93	59	10	29	14	394
	Demolished	957	296	54	3	53	39	1,402
	Other/Unknown	1,507	548	279	31	126	262	2,753
	Total	2,924	1,056	531	62	227	361	5,161
1992	None Visible	49	25	27	6	1	23	131
	Light	103	43	48	8	4	21	227
	Moderate	146	59	44	8	23	11	291
	Severe	193	81	62	1	19	15	371
	Demolished	941	288	49	3	43	34	1,358
	Other/Unknown	1,386	530	249	20	99	236	2,520
	Total	2,818	1,026	479	46	189	340	4,898

Table 2.7 Vehicles Involved in Fatal Collisions by Vehicle Type and Damage Severity (cont.)

Year	Damage Severity	Vehicle Type						Total
		Passenger Car	Light Truck	Large Truck	Bus	Motorcycle	Other	
1993	None Visible	44	37	28	5	1	13	128
	Light	120	69	34	8	9	23	263
	Moderate	148	55	69	5	17	10	304
	Severe	168	115	69	4	27	16	399
	Demolished	995	297	63	0	52	44	1,451
	Other/Unknown	1,391	574	292	15	111	198	2,581
	Total	2,866	1,147	555	37	217	304	5,126
1994	None Visible	37	27	17	9	1	16	107
	Light	116	41	47	5	3	20	232
	Moderate	99	75	55	5	16	7	257
	Severe	190	101	64	6	19	20	400
	Demolished	940	308	61	4	47	36	1,396
	Other/Unknown	1,223	531	281	14	78	213	2,340
	Total	2,605	1,083	525	43	164	312	4,732
1995	None Visible	37	19	20	5	0	6	87
	Light	117	48	45	0	3	13	226
	Moderate	104	43	57	4	12	7	227
	Severe	182	107	63	1	17	15	385
	Demolished	872	316	61	3	46	36	1,334
	Other/Unknown	1,271	544	263	18	92	232	2,420
	Total	2,583	1,077	509	31	170	309	4,679
1996	None Visible	39	25	21	9	2	14	110
	Light	109	37	46	1	5	20	218
	Moderate	115	53	43	5	7	9	232
	Severe	156	95	58	4	13	11	337
	Demolished	814	279	46	1	26	28	1,194
	Other/Unknown	1,198	548	247	19	88	205	2,305
	Total	2,431	1,037	461	39	141	287	4,396
1997	None Visible	30	24	22	5	2	12	95
	Light	83	45	42	2	3	11	186
	Moderate	92	48	49	4	8	7	208
	Severe	184	84	56	3	16	20	363
	Demolished	741	305	60	1	35	26	1,168
	Other/Unknown	1,147	553	285	17	62	195	2,259
	Total	2,277	1,059	514	32	126	271	4,279

Note: All Alberta, Manitoba, New Brunswick, Nova Scotia, and Newfoundland collisions from 1988 to 1997, all P.E.I. collisions from 1988 to 1995, all Quebec collisions from 1989 to 1997, and all Saskatchewan collisions from 1988 to 1990 are included in the Other/Unknown damage severity category.

Light Truck: Pickups, vans, sport utilities, or other types of trucks with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs). Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Table 2.8
Vehicles Involved in Injury Collisions by Vehicle Type and Vehicle Damage Severity

Year	Damage Severity	Vehicle Type						Total
		Passenger Car	Light Truck	Large Truck	Bus	Motorcycle	Other	
1988	None Visible	12,510	2,752	1,154	559	191	2,733	19,899
	Light	35,849	7,886	2,144	463	1,780	3,248	51,370
	Moderate	40,662	8,180	1,142	233	1,990	1,416	53,623
	Severe	34,897	6,241	853	100	1,183	860	44,134
	Demolished	15,506	2,779	371	23	435	555	19,669
	Other/Unknown	107,575	18,544	3,801	1,115	5,630	16,641	153,306
	Total	246,999	46,382	9,465	2,493	11,209	25,453	342,001
1989	None Visible	12,704	3,015	1,243	554	185	2,693	20,394
	Light	37,672	9,175	2,312	539	1,511	3,127	54,336
	Moderate	41,902	9,073	1,192	232	1,590	1,382	55,371
	Severe	34,608	6,706	824	116	969	811	44,034
	Demolished	15,973	3,135	334	13	365	482	20,302
	Other/Unknown	95,604	21,817	4,932	960	4,486	11,168	138,967
	Total	238,463	52,921	10,837	2,414	9,106	19,663	333,404
1990	None Visible	11,498	2,856	1,021	556	152	2,318	18,401
	Light	33,084	8,042	1,890	485	1,356	2,859	47,716
	Moderate	37,389	8,348	1,021	237	1,435	1,209	49,639
	Severe	30,561	6,023	774	107	826	733	39,024
	Demolished	13,479	2,875	314	12	324	426	17,430
	Other/Unknown	104,907	24,368	4,753	1,132	4,481	10,995	150,636
	Total	230,918	52,512	9,773	2,529	8,574	18,540	322,846
1991	None Visible	10,883	2,671	874	437	111	2,170	17,146
	Light	31,275	7,437	1,640	412	1,142	3,024	44,930
	Moderate	33,987	7,338	972	220	1,339	1,231	45,087
	Severe	28,348	5,916	686	64	735	766	36,515
	Demolished	13,525	3,106	309	14	283	460	17,697
	Other/Unknown	102,130	23,094	4,331	979	4,380	11,590	146,504
	Total	220,148	49,562	8,812	2,126	7,990	19,241	307,879
1992	None Visible	10,625	2,620	838	407	123	1,868	16,481
	Light	31,136	7,698	1,584	396	1,072	2,655	44,541
	Moderate	34,990	7,773	929	201	1,122	1,230	46,245
	Severe	29,108	6,059	694	71	665	687	37,284
	Demolished	14,314	3,053	300	18	292	362	18,339
	Other/Unknown	102,193	22,996	4,025	972	3,777	11,410	145,373
	Total	222,366	50,199	8,370	2,065	7,051	18,212	308,263

Table 2.8 Vehicles Involved in Injury Collisions by Vehicle Type and Damage Severity (cont.)

Year	Damage Severity	Vehicle Type						Total
		Passenger Car	Light Truck	Large Truck	Bus	Motorcycle	Other	
1993	None Visible	10,300	2,496	810	412	97	1,560	15,675
	Light	30,748	7,715	1,617	420	959	2,591	44,050
	Moderate	34,615	7,840	942	184	1,054	1,103	45,738
	Severe	28,938	6,272	674	63	608	657	37,212
	Demolished	14,645	3,389	322	13	291	386	19,046
	Other/Unknown	101,365	23,713	4,157	941	3,551	10,769	144,496
	Total	220,611	51,425	8,522	2,033	6,560	17,066	306,217
1994	None Visible	9,787	2,641	809	405	108	1,607	15,357
	Light	31,232	8,247	1,828	454	913	2,626	45,300
	Moderate	35,619	8,329	968	212	966	1,144	47,238
	Severe	28,560	6,328	723	72	583	631	36,897
	Demolished	14,276	3,394	327	14	258	363	18,632
	Other/Unknown	97,386	24,755	4,417	998	3,444	10,704	141,704
	Total	216,860	53,694	9,072	2,155	6,272	17,075	305,128
1995	None Visible	9,406	2,566	791	394	74	1,520	14,751
	Light	31,470	8,298	1,735	451	790	2,509	45,253
	Moderate	35,142	8,189	906	198	799	1,102	46,336
	Severe	27,916	6,284	638	63	537	612	36,050
	Demolished	13,705	3,409	355	14	239	341	18,063
	Other/Unknown	95,124	25,228	4,143	927	3,224	10,829	139,475
	Total	212,763	53,974	8,568	2,047	5,663	16,913	299,928
1996	None Visible	9,289	2,471	765	406	90	1,566	14,587
	Light	29,988	7,812	1,704	410	596	2,404	42,914
	Moderate	33,474	7,905	902	184	622	1,015	44,102
	Severe	26,792	6,143	616	60	411	570	34,592
	Demolished	12,867	3,225	338	7	188	311	16,936
	Other/Unknown	89,119	25,242	4,186	882	2,939	9,672	132,040
	Total	201,529	52,798	8,511	1,949	4,846	15,538	285,171
1997	None Visible	8,345	2,430	711	358	67	1,348	13,259
	Light	27,342	7,844	1,685	405	623	2,247	40,146
	Moderate	30,152	7,642	858	166	677	877	40,372
	Severe	25,241	6,092	609	55	397	547	32,941
	Demolished	11,882	3,104	317	15	157	308	15,783
	Other/Unknown	87,294	26,366	4,654	907	2,778	9,921	131,920
	Total	190,256	53,478	8,834	1,906	4,699	15,248	274,421

Note: All Alberta, Manitoba, New Brunswick, Nova Scotia, and Newfoundland collisions from 1988 to 1997, all P.E.I. collisions from 1988 to 1995, all Quebec collisions from 1989 to 1997, and all Saskatchewan collisions from 1988 to 1990 are included in the Other/Unknown damage severity category.

Light Truck: Pickups, vans, sport utilities, or other types of trucks with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs). Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Table 2.9
Vehicles Involved in Fatal Collisions by First Vehicle Event

First Vehicle Event	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Non-Collision Events										
Ran Off Roadway	535	430	440	441	456	438	361	368	276	292
Overtuned	74	142	109	136	82	107	97	99	95	79
Fire, Explosion	2	0	1	2	1	2	1	0	3	2
Skidding, Sliding	245	274	228	198	247	236	230	225	204	223
Submersion	6	11	14	12	15	12	10	22	12	6
Jack-knife	1	1	0	1	0	0	1	4	1	1
Other Non-Collision	63	59	59	44	54	46	67	48	53	42
Collision Events										
Hit Movable Object										
Other Vehicle	2,825	3,088	2,941	2,570	2,529	2,726	2,516	2,460	2,191	2,199
Pedestrian	538	454	535	450	403	430	363	395	420	353
Bicyclist	108	57	66	65	50	64	45	39	35	39
Rail Vehicle	41	60	35	45	52	31	36	26	53	26
Other Vehicle Type	70	92	84	84	56	55	81	58	53	63
Animal	11	11	20	20	18	21	16	26	22	11
Other Movable Object	9	8	5	5	1	5	3	3	3	1
Hit Stationary Object										
Ditch, Earth Bank	136	83	111	115	104	98	72	69	87	100
Low Rigid Obstacle	59	49	42	35	36	41	42	30	48	18
Rigid Posts, Pole	107	97	98	102	95	64	67	81	75	73
Rock Face	2	2	13	2	6	2	7	3	5	2
Wall, Road Structure	42	29	26	27	29	29	26	21	26	21
Barricade, Fence	8	4	1	3	1	2	3	3	2	2
Guardrail, Median	83	75	52	54	50	48	35	41	54	37
Crash Cushion	0	0	4	1	2	3	2	1	2	1
Tree	32	34	32	29	34	35	23	38	34	31
Tree, Bush	1	2	2	6	5	2	4	4	3	3
Snowbank, Drift	2	5	4	1	4	4	0	5	4	3
Other Stationary Object	38	52	59	69	47	51	36	60	46	39
Other/Unknown Events										
Other/Unknown	701	718	661	644	521	574	588	550	589	612
All Events										
Total Vehicles	5,739	5,837	5,642	5,161	4,898	5,126	4,732	4,679	4,396	4,279

Note: Alberta vehicles involved in collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 2.10
Vehicles Involved in Injury Collisions by First Vehicle Event

First Vehicle Event	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Non-Collision Events										
Ran Off Roadway	14,039	12,367	11,922	11,381	11,247	10,762	10,205	10,012	9,184	8,927
Overtuned	3,142	3,547	3,598	3,342	3,105	2,908	2,837	2,810	2,920	2,735
Fire, Explosion	36	59	44	55	33	31	38	45	37	37
Skidding, Sliding	8,545	9,451	9,044	9,095	9,574	9,494	8,938	8,594	8,506	8,256
Submersion	23	29	31	26	30	26	27	22	27	26
Jack-knife	59	52	36	47	40	41	55	45	43	38
Other Non-Collision	3,536	3,630	3,217	3,018	2,806	2,724	2,693	2,619	2,411	2,347
Collision Events										
<i>Hit Movable Object</i>										
Other Vehicle	235,253	229,378	221,306	207,302	210,901	210,227	209,103	204,760	186,826	182,764
Pedestrian	14,023	13,750	13,615	12,572	12,855	12,584	12,755	12,646	11,928	11,799
Bicyclist	9,034	8,437	8,241	8,309	7,730	7,812	7,813	7,554	5,978	5,641
Rail Vehicle	342	250	222	246	223	199	181	177	183	149
Other Vehicle Type	7,106	8,160	7,555	8,202	7,957	7,278	7,040	6,891	6,098	5,970
Animal	1,169	1,182	1,272	1,325	1,362	1,323	1,413	1,414	1,264	1,357
Other Movable Object	828	72	64	61	57	73	48	50	38	54
<i>Hit Stationary Object</i>										
Ditch, Earth Bank	5,627	4,233	4,555	3,972	3,907	3,821	3,962	3,790	3,098	3,017
Low Rigid Obstacle	2,731	1,848	1,788	1,716	1,560	1,565	1,438	1,342	1,288	1,131
Rigid Posts, Pole	4,453	4,444	4,050	3,739	3,605	3,459	3,229	3,285	3,041	2,939
Rock Face	190	190	179	180	131	144	122	130	136	100
Wall, Road Structure	959	668	678	651	587	546	493	475	463	359
Barricade, Fence	496	240	283	251	225	219	218	205	207	153
Guardrail, Median	2,264	2,552	2,315	2,189	2,066	1,916	1,886	1,898	1,909	1,839
Crash Cushion	59	51	98	90	68	93	73	72	102	68
Tree	1,015	992	933	804	857	825	791	780	759	706
Tree, Bush	170	115	183	153	133	131	126	101	139	113
Snowbank, Drift	464	311	314	259	272	259	265	262	267	313
Other Stationary Object	1,524	2,078	1,776	1,594	1,614	1,578	1,454	1,515	1,526	1,427
Other/Unknown Events										
Other/Unknown	24,914	25,318	25,527	27,300	25,318	26,179	27,925	28,434	36,793	32,156
All Events										
Total Vehicles	342,001	333,404	322,846	307,879	308,263	306,217	305,128	299,928	285,171	274,421

Note: Alberta vehicles involved in collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 2.11
Vehicles Involved in Fatal Collisions by Vehicle Event

Vehicle Event	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Other/Unknown Event	5,049	5,064	4,993	4,552	4,314	4,540	4,198	4,111	3,853	3,770
Hit Other Vehicle	2,974	3,293	3,087	2,717	2,683	2,876	2,677	2,607	2,332	2,324
Ran Off Roadway	857	702	731	672	670	715	556	590	495	498
Overturned	599	591	555	542	493	480	417	441	342	394
Hit Pedestrian	562	476	562	472	432	456	378	407	436	371
Hit Ditch, Earth Bank	552	422	428	386	397	408	358	375	316	352
Skidding, Sliding	421	483	404	400	412	428	384	378	349	388
Hit Rigid Posts, Pole	300	257	245	221	207	188	197	194	205	184
Hit Low Rigid Obstacle	174	160	130	120	120	116	120	98	111	86
Hit Guardrail, Median	169	150	144	122	126	108	107	103	101	87
Hit Tree	128	119	100	132	126	126	99	109	99	111
Hit Bicyclist	111	67	69	65	50	65	47	41	36	43
Hit Other Object	96	99	99	107	89	87	63	87	75	74
Hit Wall, Road Structure	94	74	61	53	59	50	46	42	46	45
Fire, Explosion	77	53	45	46	48	53	52	47	36	45
Other Non-Collision Event	77	76	68	49	63	49	73	57	62	51
Hit Other Vehicle Type	74	94	85	84	56	55	82	59	53	63
Hit Barricade, Fence	55	48	29	29	26	25	24	26	18	16
Hit Rock Face	43	33	36	33	32	25	38	24	31	14
Hit Rail Vehicle	42	62	38	46	52	32	39	27	53	26
Submersion	39	29	37	35	37	33	43	43	28	36
Hit Snowbank, Drift	20	34	20	14	16	23	3	25	25	26
Hit Tree, Bush	19	21	17	18	17	16	14	24	15	14
Jack-knife	16	13	7	13	11	9	9	15	10	9
Hit Animal	12	11	22	20	18	22	18	26	24	11
Hit Other Moving Object	10	8	5	5	2	5	3	4	3	1
Hit Crash Cushion	3	4	9	1	2	5	10	6	7	4

Note: More than one event may be reported for a single vehicle, in which case the vehicle is counted once for each different event. If an event is reported twice for the same vehicle, the vehicle is counted once for that event.

Table 2.12
Vehicles Involved in Fatal Collisions by First Damage Location

First Damage Location	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Front	1,058	1,103	1,046	991	972	1,036	882	977	863	879
Engine Hood	256	282	267	262	206	227	238	223	220	252
Windshield Only	6	4	6	2	7	7	11	1	4	5
Roof	49	60	46	70	58	68	51	61	46	67
Rear (Trunk)	97	132	102	98	111	119	111	90	100	80
Left Front Fender	388	436	371	337	326	379	330	313	280	249
Left Door(s)	164	180	194	153	158	164	141	151	126	148
Left Rear Fender	82	100	83	73	57	80	78	64	65	69
Entire Left Side	118	135	127	107	99	95	99	101	107	92
Right Front Fender	396	360	299	326	314	331	261	252	306	267
Right Door(s)	188	186	182	170	154	167	143	136	122	129
Right Rear Fender	91	71	72	60	54	53	60	45	42	40
Entire Right Side	145	134	109	119	97	96	90	113	100	103
Undercarriage	38	35	33	37	36	37	33	26	29	35
Interior	0	0	0	2	0	0	0	0	0	0
Extensive	844	657	825	598	600	637	693	579	456	482
Other/Unknown	1,819	1,962	1,880	1,756	1,649	1,630	1,511	1,547	1,530	1,382
Total	5,739	5,837	5,642	5,161	4,898	5,126	4,732	4,679	4,396	4,279

Note: Quebec and Yukon vehicles involved in collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 2.13
Vehicles Involved in Injury Collisions by First Damage Location

First Damage Location	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Front	68,893	68,815	67,195	64,129	65,518	65,622	65,532	65,094	62,690	57,967
Engine Hood	7,928	8,431	8,385	8,763	8,550	9,103	9,350	10,278	11,445	12,194
Windshield Only	181	164	191	213	176	147	174	164	211	198
Roof	1,742	1,736	1,683	1,953	1,946	1,804	1,792	1,800	1,786	1,743
Rear (Trunk)	37,104	37,631	37,676	35,813	36,636	36,421	37,076	37,027	36,604	34,753
Left Front Fender	28,016	27,786	25,080	23,167	22,724	22,560	21,976	21,007	20,074	19,613
Left Door(s)	8,628	8,230	7,429	7,057	6,931	6,997	6,736	6,439	6,271	6,309
Left Rear Fender	9,418	9,159	8,385	7,647	7,634	7,311	7,058	6,693	6,526	6,067
Entire Left Side	6,267	6,231	6,479	5,901	6,150	6,134	6,218	5,981	5,514	4,401
Right Front Fender	28,709	27,542	25,075	23,339	23,097	22,498	22,185	20,944	20,208	19,741
Right Door(s)	8,356	7,828	6,952	6,836	6,742	6,684	6,535	6,211	6,088	6,033
Right Rear Fender	9,525	9,320	8,434	7,629	7,446	7,150	7,002	6,572	6,201	5,875
Entire Right Side	6,240	6,002	6,025	5,663	5,620	5,699	5,864	5,811	5,116	4,232
Undercarriage	1,060	877	841	938	897	923	789	755	712	782
Interior	6	8	10	18	20	17	6	15	12	13
Extensive	18,788	16,680	18,481	16,656	17,239	17,452	18,136	17,462	13,301	13,458
Other/Unknown	101,140	96,964	94,525	92,157	90,937	89,695	88,699	87,675	82,412	81,042
Total	342,001	333,404	322,846	307,879	308,263	306,217	305,128	299,928	285,171	274,421

Note: Quebec and Yukon vehicles involved in collisions from 1988 to 1997 are included in the Other/Unknown category.

Table 2.14
Vehicles Involved in Fatal Collisions by Vehicle Type and Vehicle Rollover Occurrence

Year	Vehicle Type	Vehicle Rolled Over		Vehicle Did Not Roll Over		All Involved Vehicles	
		Vehicles	Percent	Vehicles	Percent	Vehicles	Percent
1988	Passenger Car	366	11.1%	2,927	88.9%	3,293	100%
	Truck <4536 kg	138	12.7%	949	87.3%	1,087	100%
	Truck >4536 kg	14	7.9%	164	92.1%	178	100%
	Tractor Trailer	23	6.8%	313	93.2%	336	100%
	Bus	2	3.3%	59	96.7%	61	100%
	Motorcycle	26	9.2%	258	90.8%	284	100%
	Other	28	7.6%	342	92.4%	370	100%
	Total	597		5,012		5,609	
1989	Passenger Car	344	10.2%	3,023	89.8%	3,367	100%
	Truck <4536 kg	160	13.0%	1,072	87.0%	1,232	100%
	Truck >4536 kg	17	6.6%	239	93.4%	256	100%
	Tractor Trailer	29	8.0%	334	92.0%	363	100%
	Bus	0	0.0%	53	100.0%	53	100%
	Motorcycle	24	9.6%	227	90.4%	251	100%
	Other	15	7.2%	194	92.8%	209	100%
	Total	589		5,142		5,731	
1990	Passenger Car	307	9.5%	2,920	90.5%	3,227	100%
	Truck <4536 kg	165	14.4%	978	85.6%	1,143	100%
	Truck >4536 kg	15	6.5%	216	93.5%	231	100%
	Tractor Trailer	27	7.0%	358	93.0%	385	100%
	Bus	0	0.0%	53	100.0%	53	100%
	Motorcycle	28	10.3%	245	89.7%	273	100%
	Other	12	5.5%	205	94.5%	217	100%
	Total	554		4,975		5,529	
1991	Passenger Car	315	10.8%	2,609	89.2%	2,924	100%
	Truck <4536 kg	147	13.9%	909	86.1%	1,056	100%
	Truck >4536 kg	13	6.5%	188	93.5%	201	100%
	Tractor Trailer	23	7.0%	307	93.0%	330	100%
	Bus	1	1.6%	61	98.4%	62	100%
	Motorcycle	22	9.7%	205	90.3%	227	100%
	Other	21	8.4%	229	91.6%	250	100%
	Total	542		4,508		5,050	
1992	Passenger Car	271	9.6%	2,547	90.4%	2,818	100%
	Truck <4536 kg	153	14.9%	873	85.1%	1,026	100%
	Truck >4536 kg	6	3.3%	178	96.7%	184	100%
	Tractor Trailer	18	6.1%	277	93.9%	295	100%
	Bus	2	4.3%	44	95.7%	46	100%
	Motorcycle	12	6.3%	177	93.7%	189	100%
	Other	30	11.9%	223	88.1%	253	100%
	Total	492		4,319		4,811	

Table 2.14 Vehicles Involved in Fatal Collisions by Vehicle Type and Vehicle Rollover Occurrence (cont.)

Year	Vehicle Type	Vehicle Rolled Over		Vehicle Did Not Roll Over		All Involved Vehicles	
		Vehicles	Percent	Vehicles	Percent	Vehicles	Percent
1993	Passenger Car	268	9.4%	2,598	90.6%	2,866	100%
	Truck <4536 kg	138	12.0%	1,009	88.0%	1,147	100%
	Truck >4536 kg	13	6.1%	199	93.9%	212	100%
	Tractor Trailer	15	4.4%	328	95.6%	343	100%
	Bus	0	0.0%	37	100.0%	37	100%
	Motorcycle	24	11.1%	193	88.9%	217	100%
	Other	22	10.0%	197	90.0%	219	100%
	Total	480		4,561		5,041	
1994	Passenger Car	223	8.6%	2,382	91.4%	2,605	100%
	Truck <4536 kg	125	11.5%	958	88.5%	1,083	100%
	Truck >4536 kg	13	6.6%	184	93.4%	197	100%
	Tractor Trailer	12	3.7%	316	96.3%	328	100%
	Bus	1	2.3%	42	97.7%	43	100%
	Motorcycle	10	6.1%	154	93.9%	164	100%
	Other	33	14.9%	188	85.1%	221	100%
	Total	417		4,224		4,641	
1995	Passenger Car	249	9.6%	2,334	90.4%	2,583	100%
	Truck <4536 kg	122	11.3%	955	88.7%	1,077	100%
	Truck >4536 kg	12	7.4%	151	92.6%	163	100%
	Tractor Trailer	16	4.6%	330	95.4%	346	100%
	Bus	1	3.2%	30	96.8%	31	100%
	Motorcycle	13	7.6%	157	92.4%	170	100%
	Other	27	11.3%	212	88.7%	239	100%
	Total	440		4,169		4,609	
1996	Passenger Car	198	8.1%	2,233	91.9%	2,431	100%
	Truck <4536 kg	104	10.0%	933	90.0%	1,037	100%
	Truck >4536 kg	5	3.0%	162	97.0%	167	100%
	Tractor Trailer	15	5.1%	279	94.9%	294	100%
	Bus	0	0.0%	39	100.0%	39	100%
	Motorcycle	3	2.1%	138	97.9%	141	100%
	Other	16	7.1%	208	92.9%	224	100%
	Total	341		3,992		4,333	
1997	Passenger Car	199	8.7%	2,078	91.3%	2,277	100%
	Truck <4536 kg	143	13.5%	916	86.5%	1,059	100%
	Truck >4536 kg	8	4.5%	171	95.5%	179	100%
	Tractor Trailer	12	3.6%	323	96.4%	335	100%
	Bus	1	3.1%	31	96.9%	32	100%
	Motorcycle	10	7.9%	116	92.1%	126	100%
	Other	20	10.2%	177	89.8%	197	100%
	Total	393		3,812		4,205	

Note: Totals exclude bicycles.

Table 2.15
Vehicles Involved in Injury Collisions by Vehicle Type and Vehicle Rollover Occurrence

Year	Vehicle Type	Vehicle Rolled Over		Vehicle Did Not Roll Over		All Involved Vehicles	
		Vehicles	Percent	Vehicles	Percent	Vehicles	Percent
1988	Passenger Car	8,678	3.5%	238,321	96.5%	246,999	100%
	Truck <4536 kg	3,343	7.2%	43,039	92.8%	46,382	100%
	Truck >4536 kg	325	6.3%	4,822	93.7%	5,147	100%
	Tractor Trailer	420	9.7%	3,898	90.3%	4,318	100%
	Bus	18	0.7%	2,475	99.3%	2,493	100%
	Motorcycle	1,172	10.5%	10,037	89.5%	11,209	100%
	Other	632	4.7%	12,878	95.3%	13,510	100%
	Total	14,588		315,470		330,058	
1989	Passenger Car	7,509	3.1%	230,954	96.9%	238,463	100%
	Truck <4536 kg	3,263	6.2%	49,658	93.8%	52,921	100%
	Truck >4536 kg	295	4.7%	6,031	95.3%	6,326	100%
	Tractor Trailer	380	8.4%	4,131	91.6%	4,511	100%
	Bus	14	0.6%	2,400	99.4%	2,414	100%
	Motorcycle	724	8.0%	8,382	92.0%	9,106	100%
	Other	281	3.5%	7,801	96.5%	8,082	100%
	Total	12,466		309,357		321,823	
1990	Passenger Car	7,820	3.4%	223,098	96.6%	230,918	100%
	Truck <4536 kg	3,522	6.7%	48,990	93.3%	52,512	100%
	Truck >4536 kg	304	5.4%	5,350	94.6%	5,654	100%
	Tractor Trailer	407	9.9%	3,712	90.1%	4,119	100%
	Bus	17	0.7%	2,512	99.3%	2,529	100%
	Motorcycle	673	7.8%	7,901	92.2%	8,574	100%
	Other	247	3.3%	7,296	96.7%	7,543	100%
	Total	12,990		298,859		311,849	
1991	Passenger Car	7,390	3.4%	212,758	96.6%	220,148	100%
	Truck <4536 kg	3,216	6.5%	46,346	93.5%	49,562	100%
	Truck >4536 kg	262	5.1%	4,832	94.9%	5,094	100%
	Tractor Trailer	319	8.6%	3,399	91.4%	3,718	100%
	Bus	13	0.6%	2,113	99.4%	2,126	100%
	Motorcycle	661	8.3%	7,329	91.7%	7,990	100%
	Other	287	3.8%	7,236	96.2%	7,523	100%
	Total	12,148		284,013		296,161	
1992	Passenger Car	7,095	3.2%	215,271	96.8%	222,366	100%
	Truck <4536 kg	3,176	6.3%	47,023	93.7%	50,199	100%
	Truck >4536 kg	234	4.9%	4,580	95.1%	4,814	100%
	Tractor Trailer	341	9.6%	3,215	90.4%	3,556	100%
	Bus	20	1.0%	2,045	99.0%	2,065	100%
	Motorcycle	526	7.5%	6,525	92.5%	7,051	100%
	Other	282	3.9%	6,903	96.1%	7,185	100%
	Total	11,674		285,562		297,236	

Table 2.15 Vehicles Involved in Injury Collisions by Vehicle Type and Vehicle Rollover Occurrence (cont.)

Year	Vehicle Type	Vehicle Rolled Over		Vehicle Did Not Roll Over		All Involved Vehicles	
		Vehicles	Percent	Vehicles	Percent	Vehicles	Percent
1993	Passenger Car	6,740	3.1%	213,871	96.9%	220,611	100%
	Truck <4536 kg	3,061	6.0%	48,364	94.0%	51,425	100%
	Truck >4536 kg	229	4.8%	4,565	95.2%	4,794	100%
	Tractor Trailer	327	8.8%	3,401	91.2%	3,728	100%
	Bus	14	0.7%	2,019	99.3%	2,033	100%
	Motorcycle	522	8.0%	6,038	92.0%	6,560	100%
	Other	257	3.9%	6,251	96.1%	6,508	100%
	Total	11,150		284,509		295,659	
1994	Passenger Car	6,582	3.0%	210,278	97.0%	216,860	100%
	Truck <4536 kg	2,950	5.5%	50,744	94.5%	53,694	100%
	Truck >4536 kg	203	4.2%	4,668	95.8%	4,871	100%
	Tractor Trailer	356	8.5%	3,845	91.5%	4,201	100%
	Bus	13	0.6%	2,142	99.4%	2,155	100%
	Motorcycle	471	7.5%	5,801	92.5%	6,272	100%
	Other	273	4.2%	6,217	95.8%	6,490	100%
	Total	10,848		283,695		294,543	
1995	Passenger Car	6,213	2.9%	206,550	97.1%	212,763	100%
	Truck <4536 kg	3,027	5.6%	50,947	94.4%	53,974	100%
	Truck >4536 kg	233	5.0%	4,392	95.0%	4,625	100%
	Tractor Trailer	330	8.4%	3,613	91.6%	3,943	100%
	Bus	22	1.1%	2,025	98.9%	2,047	100%
	Motorcycle	415	7.3%	5,248	92.7%	5,663	100%
	Other	309	4.5%	6,493	95.5%	6,802	100%
	Total	10,549		279,268		289,817	
1996	Passenger Car	5,739	2.8%	195,790	97.2%	201,529	100%
	Truck <4536 kg	2,892	5.5%	49,906	94.5%	52,798	100%
	Truck >4536 kg	222	4.8%	4,420	95.2%	4,642	100%
	Tractor Trailer	258	6.7%	3,611	93.3%	3,869	100%
	Bus	12	0.6%	1,937	99.4%	1,949	100%
	Motorcycle	362	7.5%	4,484	92.5%	4,846	100%
	Other	302	4.6%	6,294	95.4%	6,596	100%
	Total	9,787		266,442		276,229	
1997	Passenger Car	5,512	2.9%	184,744	97.1%	190,256	100%
	Truck <4536 kg	2,845	5.3%	50,633	94.7%	53,478	100%
	Truck >4536 kg	207	4.4%	4,445	95.6%	4,652	100%
	Tractor Trailer	304	7.3%	3,878	92.7%	4,182	100%
	Bus	6	0.3%	1,900	99.7%	1,906	100%
	Motorcycle	349	7.4%	4,350	92.6%	4,699	100%
	Other	291	4.4%	6,280	95.6%	6,571	100%
	Total	9,514		256,230		265,744	

Note: Totals exclude bicycles.

Table 2.16
Contributing Factors Reported for Fatal Collisions

Contributing Factor	Number of Collisions for Which the Factor Was Reported									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Inattention	346	311	335	314	283	323	315	306	268	269
Inexperience	83	86	85	68	69	66	55	58	35	61
Fatigue	39	44	54	45	43	40	51	34	45	39
Fell Asleep	91	44	61	56	60	55	51	43	45	48
Lost Consciousness	11	8	4	11	10	12	4	6	5	11
Sudden Illness	15	6	10	9	3	7	8	7	8	6
Med/Physical Disability	24	25	16	14	18	33	26	22	20	13
Been Drinking	501	438	409	385	376	339	330	314	287	272
Impairment: Alcohol	496	360	375	373	367	395	326	311	237	261
Impairment: Illicit Drugs	7	4	11	4	9	11	8	11	23	23
Impair: Prescrip. Drugs	2	7	3	3	2	3	1	3	3	5
Impair: Unspecified	3	0	0	3	1	1	2	3	4	1
Suicide Attempt	1	3	3	1	4	1	2	1	1	0
Followed Too Close	24	24	16	20	20	14	18	19	25	15
Turned Improperly	71	57	73	54	45	50	51	51	42	52
Too Fast for Conditions	521	436	453	391	384	358	308	295	276	259
Exceeded Speed Limit	304	266	244	225	212	215	181	170	128	124
Improper Lane Change	154	142	122	115	87	97	92	84	78	79
Failed to Yield	284	213	252	186	175	195	181	188	175	184
Disobeyed Traffic Control	208	194	193	176	175	169	159	146	146	166
Drove in Wrong Direction	187	143	151	118	80	121	114	108	98	98
Backed Unsafely	7	3	8	8	6	10	7	2	8	5
Lost Control	472	282	289	275	278	282	259	276	260	309
Pedestrian Error	35	20	43	30	20	29	14	22	32	17
Failed to Signal	2	3	4	4	1	1	3	0	1	0
Lights Not Used	0	0	0	0	1	2	2	2	1	1
Brakes	20	31	32	17	28	19	18	17	18	17
Steering	7	1	1	1	2	1	3	2	3	1
Headlights	6	4	1	5	2	2	3	1	3	6
Rear Lights	1	0	1	0	0	0	1	1	0	0
Lights, Not Specified	8	20	7	6	4	5	6	3	7	2
Engine, Train	1	3	2	1	5	1	2	3	1	1
Wheels, Suspension	4	1	1	1	2	1	3	1	2	3
Tires	19	25	35	26	29	25	6	16	15	21
Tow Hitch	1	0	0	1	1	2	1	1	0	0
Hood, Door Opened	0	1	0	1	0	0	0	0	1	0
Oversize, Overload	4	6	5	2	8	5	4	5	4	8
Modifications	2	0	1	0	1	2	2	0	0	0
Jack-knife	1	2	0	2	3	2	4	2	3	3
Windshield	8	6	4	2	4	4	7	3	3	1
Animal Action	10	8	18	11	8	11	11	19	11	7
Slippery Road Surface	71	77	82	60	53	55	41	51	43	52
Snow Drift(ing)	1	6	6	5	0	3	2	4	1	3
Obstruction in Road	6	22	12	3	10	6	8	7	8	1
View Obstructed	44	31	38	36	29	27	22	24	29	13
Reflections	13	15	15	9	11	17	7	9	6	6
Road Construction	7	5	5	8	12	8	1	7	6	4
Defective Surface	17	20	27	8	7	6	6	6	9	4
Defective Shoulder	1	2	2	5	1	2	0	0	3	1
Inadequate Lane Marks	2	3	1	0	1	1	1	0	2	0
Defective Traffic Control	2	1	0	2	0	0	0	2	0	0
Wind	4	4	5	3	9	5	2	7	1	4

Note: A collision may have more than one contributing factor reported, in which case the collision will be counted once for each different factor reported. A collision may also have no contributing factors reported. All Quebec collisions from 1988 to 1997 are excluded due to lack of data.

3. PERSONS

The tables and charts in this section present information about the various categories of road users involved in casualty collisions from 1988 to 1997. Some of the major findings include the following:

- The number of persons killed in motor vehicle collisions decreased from 4,154 in 1988 to 3,064 in 1997, a reduction of 26.2%. The number of persons who were injured decreased from 278,810 in 1988 to 221,349 in 1997, a reduction of 20.6%. (Table 3.1)
- The majority of road users killed were drivers, averaging 50.4% of fatally injured road users, followed by passengers (27.0%), and pedestrians (13.5%). The reduction in fatalities was proportionately less for drivers and passengers than the overall reduction. Between 1988 and 1997, the number of drivers killed decreased by 21.5%, passengers by 23.0%, pedestrians by 31.4%, motorcyclists by 55.3%, and cyclists by 46.4%. (Table 3.1)
- The majority of road users injured were also drivers, averaging 54.1% of persons injured. Passengers made up an average of 32.1% of persons injured, pedestrians 6.1%, motorcyclists 3.1%, and cyclists 4.2%. From 1988 to 1997, the number of drivers injured decreased by 16.1%, passengers by 22.9%, pedestrians by 17.1%, motorcyclists by 58.7%, and cyclists by 27.1%. (Table 3.1)
- On average, about three and a half times as many male drivers as female drivers were killed. Male driver fatalities decreased by 24.5%, while female driver fatalities decreased by 9.0%. (Table 3.6)
- An average of 50.3% of passengers killed were male and 49.7% were female. Male passenger fatalities decreased by 26.3% and female passenger fatalities decreased by 19.4%. (Table 3.6)
- Male pedestrians made up an average of 61.3% of pedestrians killed and female pedestrians made up the remaining 38.7%. Male pedestrian fatalities decreased by 33.7% and female pedestrian fatalities decreased by 27.1%. (Table 3.6)
- Of injured drivers whose sex was known, an average of 57.9% were male and 42.1% were female. The number of male drivers injured during the ten-year period decreased by 23.8%, while the decrease among female drivers was 4.2%. However, the percentage of drivers injured that were female increased from 38.8% in 1988 to 44.4% in 1997. (Table 3.7)
- During the ten-year period, an average of 38.6% of injured passengers were males and 62.4% were females. Injuries decreased by 27.2% for male passengers and by 20.4% for female passengers. (Table 3.7)

- On average, 53.8% of pedestrians injured were male and 46.2% were female. Injuries among pedestrians decreased by 20.1% for males and by 14.1% for females. (Table 3.7)
- Persons 25 to 34 years old made up the highest number of fatalities, except during 1996 and 1997, when persons 65 years or older accounted for the highest number of fatalities. Between 1988 and 1997, persons 25 to 34 years old made up an average of 19.7% of total fatalities. (Table 3.8)
- The largest decrease in fatalities occurred among 20- to 24-year-old victims, for whom fatalities declined by 45.0%. The largest increase in fatalities occurred among persons 45 to 54 years old, for whom fatalities increased by 9.2%. (Table 3.8)
- Persons 25 to 34 years old made up the largest share of injured road users, averaging 22.5% of total injuries. Road users aged 20 to 24 years experienced the largest decrease in injuries (40.0%). The largest increase in injuries was for persons 45 to 54 years of age, for whom injuries rose by 12.9%. (Table 3.8)
- Fatalities among drivers aged 25 to 34 years decreased by 40.3%, while fatalities among drivers aged 45 to 54 years increased by 34.5%. Drivers aged 25 to 34 years made up the largest share of drivers killed, averaging 23.8% of total driver fatalities. (Table 3.11)
- Fatalities among passengers aged 0 to 4 years increased by 16.2%, whereas fatalities among passengers aged 20 to 24 years decreased by 43.3%. Passengers aged 15 to 19 years made up the largest proportion of fatally injured passengers, averaging 18.7% of total passengers killed. (Table 3.11)
- All age groups of pedestrians showed reductions in fatalities over the ten years, but persons aged 0 to 4 years showed the greatest decrease (78.1%) and persons aged 15-19 years showed the smallest decrease (6.7%). Pedestrians aged 65 or older made up the largest share of pedestrians killed, averaging 30.1% of total pedestrian fatalities. (Table 3.11)
- Males accounted for the majority of fatalities in all age groups, averaging 68.9% of all road users killed. However, fatalities among males decreased by 29.3% during the period. Fatalities increased by 2.9% among males between 45 and 54 years old, the only male age group to see an increase. (Table 3.13)
- Fatalities among females decreased by 18.2%. The only female age category for which there was an increase in fatalities (24.1%) was the 45 to 54 years age group. (Table 3.13)

- Males accounted for an average of 52.8% of total injuries over the ten years; however, the proportion of injured persons who were male declined from 55.3% of all injured persons in 1988 to 50.8% in 1997. Males between the ages of 20 and 24 years saw the largest decrease in injuries of any male age group (46.6%). The largest increase occurred among males 65 years or older, where injuries increased by 8.8%. (Table 3.14)
- The largest decline in injuries among females (30.1%) occurred for the 0 to 4 years age group, while the largest increase occurred among those aged 45 to 54 years (18.3%). (Table 3.14)
- August was the month when most fatalities occurred during five out of the ten years under study, averaging 11.1% of fatalities between 1988 and 1997. August was also the peak month for injuries, with an average of 9.5% of total injuries. (Tables 3.15, 3.16)
- Among fatal collisions where the road classification was known, an average of 32.5% of persons were killed on urban roads and 67.5% on rural roads. (Table 3.17)
- Male drivers aged 25 to 34 years accounted for a larger proportion of drivers killed than any other male or female age category, averaging 18.9% of all dead drivers. However, the number of fatalities from this group decreased from 20.7% of all drivers killed in 1988 to 15.7% in 1997. (Table 3.19)
- The largest changes in the number of male driver fatalities occurred among victims aged 15 to 19 years (a decrease of 43.8%) and among those who were 45 to 54 years old (an increase of 23.7%). Male driver fatalities dropped by 40.5% among operators aged 25 to 34 years. (Table 3.19)
- Females aged 25 to 34 years made up the largest share of fatalities among female drivers during all years except 1996 and 1997. On average, female drivers aged 25 to 34 years made up 5.0% of total driver fatalities. (Table 3.19)
- The largest changes in the number of female driver fatalities occurred among victims aged 25 to 34 years (a decrease of 40.8%) and among those aged 45 to 54 years (an increase of 73.0%). Fatalities dropped by 13.6% among female drivers who were 15 to 19 years old. (Table 3.19)
- During the ten-year period, an average of 70.9% of drivers killed and 80.2% of those injured were operating an automobile; 21.4% of drivers killed and 16.1% of those injured were driving a light truck; and 2.1% of drivers killed and 0.9% of drivers injured were operating a tractor trailer. (Table 3.22)

- From 1988 to 1997, the number of fatally injured drivers of light trucks and vans increased from 18.6% to 25.7% of all drivers killed. The number of drivers of light trucks and vans who were injured increased from 13.6% to 18.5% of drivers injured. (Table 3.22)
- An average of 49.7% of passengers killed and 61.2% of passengers injured were female. (Table 3.23)
- Fatalities among male passengers increased by 13.6% for those aged 55 to 64 years and decreased by 44.8% for those aged 45 to 54 years. Victims aged 15 to 19 years accounted for the largest share of fatally injured male passengers, averaging 22.2%. (Table 3.23)
- Fatalities among female passengers increased by 29.4% for those aged 0 to 4 years and decreased by 45.3% for those aged 20 to 24 years. Passengers aged 65 years or older made up the largest share of female passenger fatalities, averaging 23.3% of female passengers killed. (Table 3.23)
- An average of 76.7% of passengers killed were riding in an automobile, 19.1% were in a light truck, and 1.1% were in a bus. Of passengers injured, an average of 79.6% were travelling in an automobile, 16.8% in a light truck, and 1.5% in a bus. (Table 3.26)
- Among fatally injured passenger car occupants whose seating position and safety restraint use were known, an average of 88.1% were seated in the front of the vehicle and 11.9% were seated in the back. Among the group of occupants who were restrained, 90.8% of those killed were seated in front and 9.2% were seated in back. Among the group of occupants who were not restrained, 83.2% of those killed were seated in front and 16.8% were seated in back. (Table 3.27)
- With regard to injured passenger car occupants whose seating position and restraint use were known, 88.7% were seated in the front and 11.3% were seated in the back. Among restrained occupants, 90.0% of those injured were seated in the front and 10.0% were seated in the back. Among unrestrained occupants, 75.0% were seated in the front and 25.0% were seated in the back. (Table 3.28)
- Among fatally injured light truck occupants whose seating position and restraint use were known, on average 91.5% were seated in the front of the vehicle and 8.5% were seated in the back. For the group of occupants who were restrained, 92.8% of those killed were seated in front and 7.2% were seated in back. Among occupants who were not restrained, 90.5% of those killed were seated in the front and 9.5% were seated in the back. The proportion of fatally injured occupants who were seated in the back of the vehicle grew from 4.5% in 1988 to 13.0% in 1997. (Table 3.29)

- Among light truck occupants who were injured and whose seating position and restraint use were known, an average of 90.3% were seated in the front of the vehicle and 9.7% in the back. From the group of occupants who were restrained, 92.2% of those injured were seated in front and 7.8% were seated in back. From the group of occupants who were not restrained, 78.8% were seated in front and 21.2% were seated in back. (Table 3.30)
- The number of pedestrians killed declined by 31.4% from 1988 to 1997, while the number injured declined by 17.1%. The largest proportion of pedestrians killed, averaging 30.1% over the ten-year period, were 65 years of age or older. (Table 3.32)
- Crossing at an intersection with no traffic control was the most commonly reported pedestrian action in pedestrian fatalities, cited in an average of 21.3% of cases. Crossing at an intersection with the right-of-way was the most frequently reported pedestrian action in collisions where a pedestrian was injured, reported in an average of 18.8% of pedestrian injuries. (Tables 3.33, 3.34)
- The large majority of pedestrians were killed (an average of 70.3%) or injured (an average of 94.3%) on urban roads. (Table 3.35)
- The majority of pedestrians were killed (68.8%) or injured (52.9%) at collision sites with no traffic control present. (Tables 3.37, 3.38)
- Between 1988 and 1997, the number of motorcyclists killed decreased by 55.3% and the number injured decreased by 58.7%. On average, 91.9% of fatally injured motorcyclists were male, and 25.3% were between the ages of 20 and 24 years. (Table 3.39)
- Cyclists between the ages of 5 and 14 were more likely to be killed and injured than cyclists in other age groups. Within this age group, an average of 78.4% of those fatally injured were male and 21.6% were female. (Table 3.40)

Table 3.1
Persons Killed and Injured in Collisions, by Road User Class

Year	Road User Class						Total Victims
	Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
Killed							
1988	2,030	1,075	586	275	125	63	4,154
1989	2,055	1,122	503	239	96	68	4,083
1990	1,892	1,083	584	260	106	37	3,962
1991	1,821	969	533	231	102	34	3,690
1992	1,785	972	440	186	75	43	3,501
1993	1,849	968	479	216	81	22	3,615
1994	1,682	859	429	163	86	44	3,263
1995	1,724	937	416	166	64	44	3,351
1996	1,575	836	465	128	60	27	3,091
1997	1,594	828	402	123	67	50	3,064
Injured							
1988	146,159	90,577	17,006	12,242	11,669	1,157	278,810
1989	144,365	88,918	16,041	9,861	11,273	1,399	271,857
1990	140,427	84,782	16,351	9,230	10,726	1,163	262,679
1991	132,545	79,972	15,322	8,578	11,417	1,378	249,212
1992	134,800	80,457	14,998	7,527	10,811	1,225	249,818
1993	135,004	79,324	14,733	7,024	10,345	1,157	247,587
1994	133,858	78,017	15,040	6,748	10,444	1,003	245,110
1995	132,642	77,117	14,888	6,159	9,968	1,085	241,859
1996	127,428	73,839	14,455	5,202	8,721	1,244	230,889
1997	122,699	69,812	14,090	5,062	8,511	1,175	221,349

Note: Population data are from Statistics Canada.

Figure 3.1
Persons Killed and Injured in Collisions, by Road User Class, 1988-1997

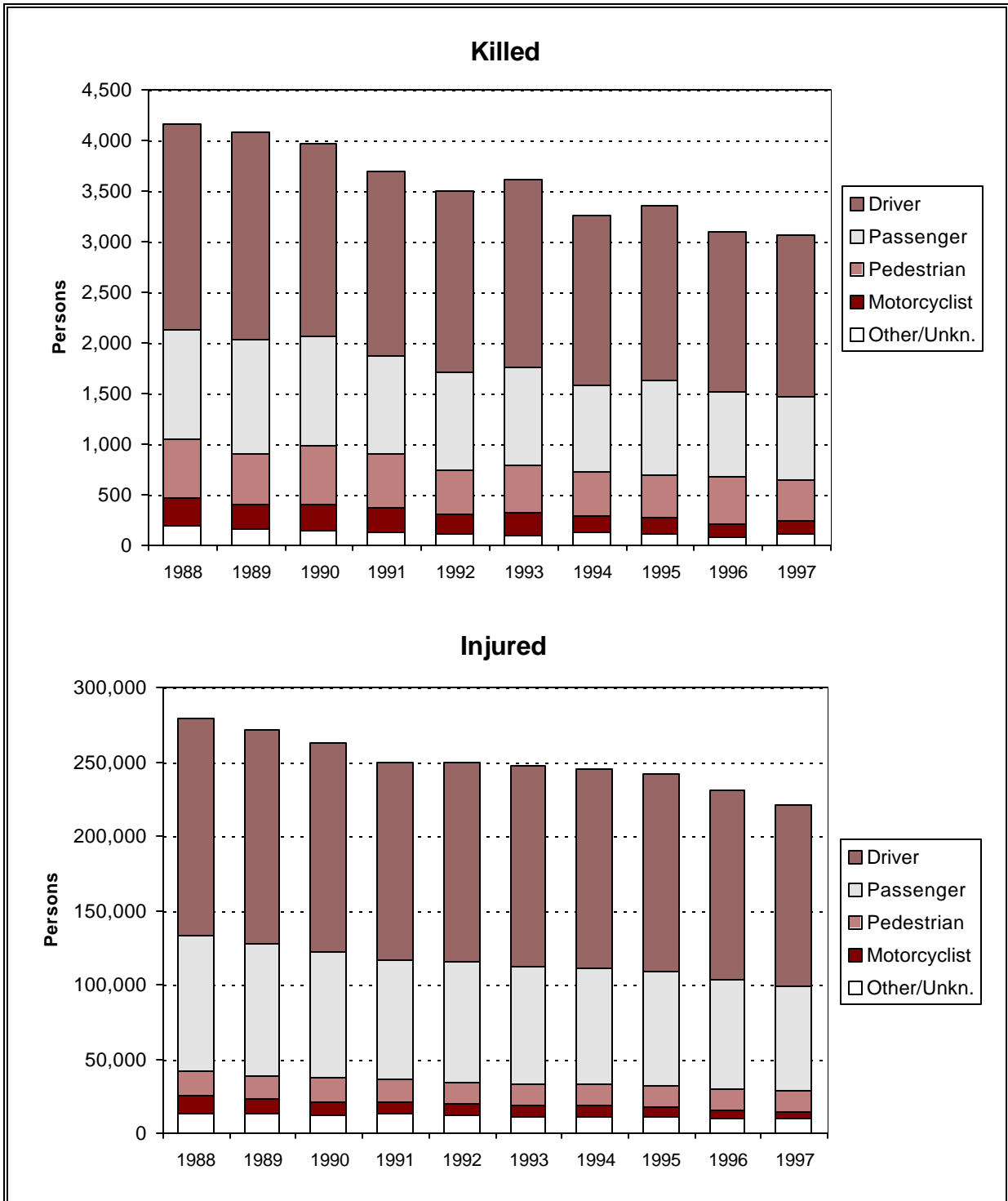


Table 3.2
Fatality and Injury Rates per 100,000 Population by Road User Class

Year	Road User Class						Total Victims
	Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
Fatalities per 100,000 persons							
1988	7.9	4.2	2.3	1.1	0.5	0.2	16.1
1989	7.9	4.3	1.9	0.9	0.4	0.3	15.6
1990	7.2	4.1	2.2	1.0	0.4	0.1	15.0
1991	6.5	3.5	1.9	0.8	0.4	0.1	13.2
1992	6.3	3.4	1.6	0.7	0.3	0.2	12.3
1993	6.4	3.4	1.7	0.8	0.3	0.1	12.6
1994	5.8	3.0	1.5	0.6	0.3	0.2	11.2
1995	5.9	3.2	1.4	0.6	0.2	0.1	11.4
1996	5.3	2.8	1.6	0.4	0.2	0.1	10.4
1997	5.3	2.8	1.3	0.4	0.2	0.2	10.2
Injuries per 100,000 persons							
1988	566.8	351.3	66.0	47.5	45.3	4.5	1,081.3
1989	553.2	340.7	61.5	37.8	43.2	5.4	1,041.7
1990	531.1	320.7	61.8	34.9	40.6	4.4	993.5
1991	472.9	285.3	54.7	30.6	40.7	4.9	889.1
1992	475.0	283.5	52.9	26.5	38.1	4.3	880.4
1993	470.3	276.4	51.3	24.5	36.0	4.0	862.6
1994	461.0	268.7	51.8	23.2	36.0	3.5	844.2
1995	451.9	262.7	50.7	21.0	34.0	3.7	823.9
1996	429.5	248.9	48.7	17.5	29.4	4.2	778.1
1997	408.9	232.7	47.0	16.9	28.4	3.9	737.7

Note: Population data are from Statistics Canada.

Table 3.3
Persons Killed and Injured in Collisions, by Sex

Year	Killed				Injured			
	Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	1,180	2,967	7	4,154	123,985	154,165	660	278,810
1989	1,272	2,802	9	4,083	122,651	148,426	780	271,857
1990	1,205	2,754	3	3,962	120,199	141,648	832	262,679
1991	1,132	2,553	5	3,690	114,654	133,694	864	249,212
1992	1,102	2,397	2	3,501	116,887	132,150	781	249,818
1993	1,158	2,455	2	3,615	117,292	129,466	829	247,587
1994	993	2,263	7	3,263	116,934	127,321	855	245,110
1995	1,066	2,281	4	3,351	116,588	124,485	786	241,859
1996	974	2,114	3	3,091	111,565	118,253	1,071	230,889
1997	965	2,097	2	3,064	107,928	112,425	996	221,349

Figure 3.2
Persons Killed and Injured in Collisions, by Sex, 1988-1997

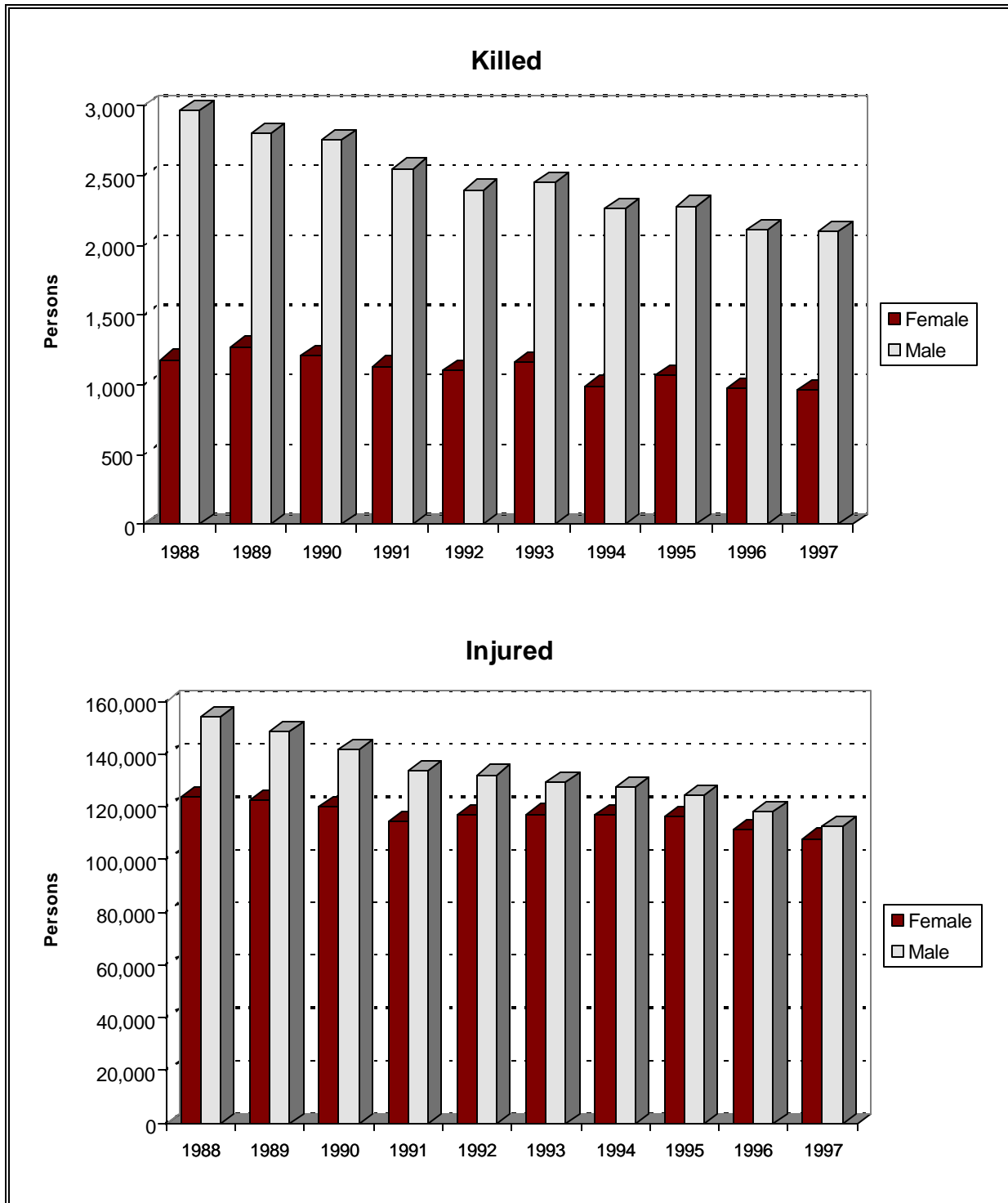


Table 3.4
Fatality Rates per 100,000 Population by Sex

Year	Females		Males		All	
	Fatalities	Fatalities per 100,000 Females	Fatalities	Fatalities per 100,000 Males	Fatalities	Fatalities per 100,000 Persons
1988	1,180	9.0	2,967	23.3	4,154	16.1
1989	1,272	9.6	2,802	21.8	4,083	15.6
1990	1,205	9.0	2,754	21.1	3,962	15.0
1991	1,132	8.0	2,553	18.4	3,690	13.2
1992	1,102	7.7	2,397	17.0	3,501	12.3
1993	1,158	8.0	2,455	17.3	3,615	12.6
1994	993	6.8	2,263	15.7	3,263	11.2
1995	1,066	7.2	2,281	15.7	3,351	11.4
1996	974	6.5	2,114	14.4	3,091	10.4
1997	965	6.4	2,097	14.1	3,064	10.2

Note: Population data are from Statistics Canada.

Table 3.5
Injury Rates per 100,000 Population by Sex

Year	Females		Males		All	
	Injuries	Injuries per 100,000 Females	Injuries	Injuries per 100,000 Males	Injuries	Injuries per 100,000 Persons
1988	123,985	948.8	154,165	1,212.2	278,810	1,081.3
1989	122,651	927.1	148,426	1,153.4	271,857	1,041.7
1990	120,199	896.6	141,648	1,086.7	262,679	993.5
1991	114,654	811.1	133,694	962.2	249,212	889.1
1992	116,887	816.6	132,150	939.7	249,818	880.4
1993	117,292	809.9	129,466	910.4	247,587	862.6
1994	116,934	798.0	127,321	885.2	245,110	844.2
1995	116,588	786.9	124,485	856.3	241,859	823.9
1996	118,253	789.4	118,253	804.9	230,889	778.1
1997	107,928	712.4	112,425	756.9	221,349	737.7

Note: Population data are from Statistics Canada.

Table 3.6
Persons Killed in Collisions, by Road User Class and Sex

Year	Sex	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1988	Female	388	520	214	13	30	15	1,180
	Male	1,640	555	371	261	94	46	2,967
	Unknown	2	0	1	1	1	2	7
	Total	2,030	1,075	586	275	125	63	4,154
1989	Female	452	573	185	20	21	21	1,272
	Male	1,600	549	316	219	75	43	2,802
	Unknown	3	0	2	0	0	4	9
	Total	2,055	1,122	503	239	96	68	4,083
1990	Female	429	525	205	20	18	8	1,205
	Male	1,461	558	379	240	88	28	2,754
	Unknown	2	0	0	0	0	1	3
	Total	1,892	1,083	584	260	106	37	3,962
1991	Female	396	468	217	14	28	9	1,132
	Male	1,421	501	316	217	73	25	2,553
	Unknown	4	0	0	0	1	0	5
	Total	1,821	969	533	231	102	34	3,690
1992	Female	389	504	174	17	8	10	1,102
	Male	1,396	468	266	169	65	33	2,397
	Unknown	0	0	0	0	2	0	2
	Total	1,785	972	440	186	75	43	3,501
1993	Female	445	483	191	20	14	5	1,158
	Male	1,402	485	288	196	67	17	2,455
	Unknown	2	0	0	0	0	0	2
	Total	1,849	968	479	216	81	22	3,615
1994	Female	375	408	168	14	14	14	993
	Male	1,305	451	260	149	70	28	2,263
	Unknown	2	0	1	0	2	2	7
	Total	1,682	859	429	163	86	44	3,263
1995	Female	371	483	179	14	13	6	1,066
	Male	1,352	454	237	152	50	36	2,281
	Unknown	1	0	0	0	1	2	4
	Total	1,724	937	416	166	64	44	3,351
1996	Female	355	411	172	14	12	10	974
	Male	1,219	423	293	114	48	17	2,114
	Unknown	1	2	0	0	0	0	3
	Total	1,575	836	465	128	60	27	3,091
1997	Female	353	419	156	9	13	15	965
	Male	1,239	409	246	114	54	35	2,097
	Unknown	2	0	0	0	0	0	2
	Total	1,594	828	402	123	67	50	3,064

Table 3.7
Persons Injured in Collisions, by Road User Class and Sex

Year	Sex	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1988	Female	56,690	54,654	7,717	1,431	3,037	456	123,985
	Male	89,311	35,717	9,209	10,789	8,460	679	154,165
	Unknown	158	206	80	22	172	22	660
	Total	146,159	90,577	17,006	12,242	11,669	1,157	278,810
1989	Female	56,763	53,859	7,354	1,166	2,958	551	122,651
	Male	87,420	34,806	8,601	8,681	8,124	794	148,426
	Unknown	182	253	86	14	191	54	780
	Total	144,365	88,918	16,041	9,861	11,273	1,399	271,857
1990	Female	56,923	51,620	7,417	1,083	2,720	436	120,199
	Male	83,284	32,907	8,847	8,133	7,804	673	141,648
	Unknown	220	255	87	14	202	54	832
	Total	140,427	84,782	16,351	9,230	10,726	1,163	262,679
1991	Female	54,676	48,399	6,949	1,091	2,952	587	114,654
	Male	77,623	31,331	8,262	7,473	8,234	771	133,694
	Unknown	246	242	111	14	231	20	864
	Total	132,545	79,972	15,322	8,578	11,417	1,378	249,212
1992	Female	56,893	48,884	6,915	959	2,762	474	116,887
	Male	77,662	31,367	8,011	6,562	7,812	736	132,150
	Unknown	245	206	72	6	237	15	781
	Total	134,800	80,457	14,998	7,527	10,811	1,225	249,818
1993	Female	57,645	48,887	6,722	998	2,570	470	117,292
	Male	77,096	30,267	7,943	6,007	7,497	656	129,466
	Unknown	263	170	68	19	278	31	829
	Total	135,004	79,324	14,733	7,024	10,345	1,157	247,587
1994	Female	57,960	48,080	6,890	985	2,589	430	116,934
	Male	75,636	29,673	8,075	5,749	7,631	557	127,321
	Unknown	262	264	75	14	224	16	855
	Total	133,858	78,017	15,040	6,748	10,444	1,003	245,110
1995	Female	58,134	47,501	6,973	1,008	2,539	433	116,588
	Male	74,293	29,383	7,835	5,139	7,206	629	124,485
	Unknown	215	233	80	12	223	23	786
	Total	132,642	77,117	14,888	6,159	9,968	1,085	241,859
1996	Female	55,735	45,652	6,685	841	2,148	504	111,565
	Male	71,332	27,916	7,649	4,354	6,315	687	118,253
	Unknown	361	271	121	7	258	53	1,071
	Total	127,428	73,839	14,455	5,202	8,721	1,244	230,889
1997	Female	54,312	43,496	6,627	826	2,188	479	107,928
	Male	68,096	26,018	7,362	4,229	6,061	659	112,425
	Unknown	291	298	101	7	262	37	996
	Total	122,699	69,812	14,090	5,062	8,511	1,175	221,349

Table 3.8
Persons Killed and Injured in Collisions, by Age Group

Age Group	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Killed										
0-4 yrs	78	89	81	52	62	60	68	70	39	61
5-14 yrs	222	205	224	198	173	158	142	150	130	144
15-19 yrs	598	541	483	453	404	472	416	420	380	408
20-24 yrs	689	600	566	554	488	470	418	431	395	379
25-34 yrs	843	877	876	777	708	750	598	636	539	511
35-44 yrs	495	545	504	477	495	512	466	502	431	430
45-54 yrs	292	304	313	315	332	379	328	332	346	319
55-64 yrs	338	324	310	301	278	272	266	241	264	268
65+ yrs	576	574	583	544	544	527	530	544	549	519
Unknown	23	24	22	19	17	15	31	25	18	25
Total	4,154	4,083	3,962	3,690	3,501	3,615	3,263	3,351	3,091	3,064
Injured										
0-4 yrs	5,058	4,912	4,611	4,354	4,257	4,132	4,015	4,003	3,645	3,421
5-14 yrs	20,396	19,829	18,820	18,564	18,192	17,495	17,540	16,812	15,614	14,990
15-19 yrs	44,016	42,082	39,264	36,184	35,715	35,273	34,370	32,746	29,862	28,883
20-24 yrs	47,349	43,452	39,990	37,132	36,697	35,334	33,594	32,721	30,172	28,387
25-34 yrs	63,617	63,565	61,556	57,902	57,983	56,114	53,937	52,996	49,538	45,684
35-44 yrs	39,201	39,422	39,565	38,475	39,078	39,295	39,971	40,326	39,629	38,451
45-54 yrs	22,933	23,353	22,954	22,151	23,304	24,454	25,494	25,950	25,952	25,901
55-64 yrs	16,592	15,968	15,258	14,562	14,580	14,672	14,530	14,628	14,432	13,786
65+ yrs	14,466	14,416	14,628	14,324	14,765	15,146	15,576	15,549	15,606	15,394
Unknown	5,182	4,858	6,033	5,564	5,247	5,672	6,083	6,128	6,439	6,452
Total	278,810	271,857	262,679	249,212	249,818	247,587	245,110	241,859	230,889	221,349

Figure 3.3
Persons Killed and Injured in Collisions, by Age Group, 1988-1997

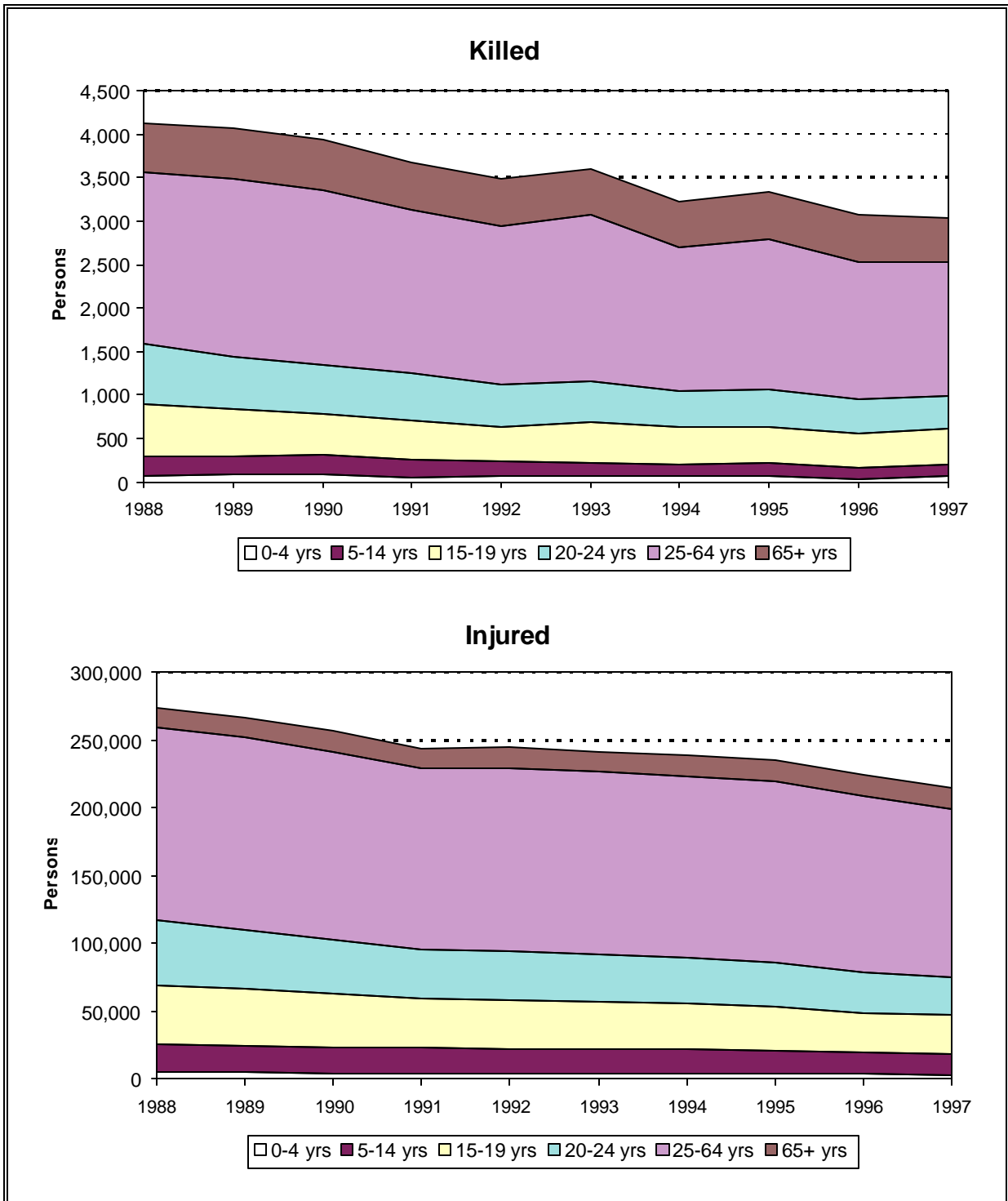


Table 3.9
Fatality Rates per 100,000 Population by Age Group

Age Group	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Fatalities per 100,000 Persons in Age Group										
0-4 yrs	4.3	4.8	4.3	2.7	3.1	3.0	3.4	3.5	2.0	3.2
5-14 yrs	6.2	5.6	6.1	5.2	4.5	4.0	3.6	3.8	3.2	3.5
15-19 yrs	31.4	28.7	25.9	23.5	21.0	24.4	21.2	21.2	18.9	20.1
20-24 yrs	32.1	29.0	28.1	26.5	23.6	22.9	20.6	21.4	19.6	18.7
25-34 yrs	18.1	18.6	18.5	15.3	14.1	15.1	12.2	13.2	11.4	11.0
35-44 yrs	12.9	13.8	12.3	10.7	10.9	11.0	9.8	10.3	8.6	8.4
45-54 yrs	11.1	11.3	11.2	10.4	10.4	11.3	9.4	9.1	9.1	8.1
55-64 yrs	14.4	13.7	13.1	12.4	11.4	11.1	10.7	9.6	10.4	10.4
65+ yrs	20.2	19.6	19.3	16.9	16.5	15.6	15.4	15.5	15.3	14.2
Total	16.1	15.6	15.0	13.2	12.3	12.6	11.2	11.4	10.4	10.2

Note: Population data are from Statistics Canada.

Table 3.10
Injury Rates per 100,000 Population by Age Group

Age Group	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Injuries per 100,000 Persons in Age Group										
0-4 yrs	276.3	265.8	246.6	222.3	213.6	205.3	199.8	201.5	185.5	177.0
5-14 yrs	565.3	545.1	513.0	484.5	469.2	447.2	443.9	421.3	387.8	368.6
15-19 yrs	2,312.4	2,232.1	2,103.4	1,876.8	1,852.2	1,823.1	1,754.4	1,650.7	1,483.5	1,423.4
20-24 yrs	2,207.4	2,097.6	1,982.7	1,778.4	1,771.4	1,722.7	1,653.2	1,621.8	1,500.7	1,404.0
25-34 yrs	1,369.4	1,351.0	1,296.5	1,137.7	1,151.4	1,129.5	1,100.8	1,097.8	1,043.8	979.8
35-44 yrs	1,022.4	994.8	963.6	859.9	857.5	843.2	838.2	825.5	792.3	751.8
45-54 yrs	873.7	864.4	823.4	734.4	732.2	731.6	729.2	711.6	685.1	658.8
55-64 yrs	706.3	677.6	646.5	599.9	598.6	598.7	586.2	584.0	568.4	533.5
65+ yrs	508.6	492.2	484.8	445.2	448.0	449.3	452.8	442.7	435.7	420.5
Total	1,081.3	1,041.7	993.5	889.1	880.4	862.6	844.2	823.9	778.1	737.7

Note: Population data are from Statistics Canada.

Table 3.11

Persons Killed in Collisions, by Road User Class and Age Group

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1988	0-4 yrs	0	37	32	0	5	4	78
	5-14 yrs	7	85	69	2	49	10	222
	15-19 yrs	247	201	45	69	21	15	598
	20-24 yrs	356	180	41	89	17	6	689
	25-34 yrs	518	177	56	70	6	16	843
	35-44 yrs	312	84	59	26	10	4	495
	45-54 yrs	168	68	42	11	0	3	292
	55-64 yrs	189	81	56	3	6	3	338
	65+ yrs	229	151	182	3	10	1	576
	Unknown	4	11	4	2	1	1	23
Total		2,030	1,075	586	275	125	63	4,154
1989	0-4 yrs	0	58	22	0	2	7	89
	5-14 yrs	6	90	62	5	37	5	205
	15-19 yrs	225	197	28	59	16	16	541
	20-24 yrs	311	158	39	73	7	12	600
	25-34 yrs	550	182	54	63	15	13	877
	35-44 yrs	338	110	56	24	10	7	545
	45-54 yrs	187	64	42	8	2	1	304
	55-64 yrs	177	81	56	5	2	3	324
	65+ yrs	256	171	137	1	5	4	574
	Unknown	5	11	7	1	0	0	24
Total		2,055	1,122	503	239	96	68	4,083
1990	0-4 yrs	0	53	26	0	0	2	81
	5-14 yrs	3	104	62	9	43	3	224
	15-19 yrs	186	182	46	47	15	7	483
	20-24 yrs	292	157	30	73	10	4	566
	25-34 yrs	514	175	98	64	14	11	876
	35-44 yrs	301	108	36	50	8	1	504
	45-54 yrs	186	68	46	10	2	1	313
	55-64 yrs	170	79	49	3	7	2	310
	65+ yrs	238	150	181	3	7	4	583
	Unknown	2	7	10	1	0	2	22
Total		1,892	1,083	584	260	106	37	3,962
1991	0-4 yrs	1	30	18	0	3	0	52
	5-14 yrs	9	74	58	12	40	5	198
	15-19 yrs	179	170	33	54	14	3	453
	20-24 yrs	279	166	36	60	9	4	554
	25-34 yrs	454	165	64	67	12	15	777
	35-44 yrs	301	84	53	25	12	2	477
	45-54 yrs	200	58	44	7	5	1	315
	55-64 yrs	161	70	61	6	1	2	301
	65+ yrs	234	146	158	0	5	1	544
	Unknown	3	6	8	0	1	1	19
Total		1,821	969	533	231	102	34	3,690

Table 3.11 Persons Killed in Collisions, by Road User Class and Age Group (cont.)

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1992	0-4 yrs	0	40	16	0	1	5	62
	5-14 yrs	3	91	39	6	29	5	173
	15-19 yrs	170	162	27	29	8	8	404
	20-24 yrs	277	131	23	43	7	7	488
	25-34 yrs	436	143	43	72	9	5	708
	35-44 yrs	305	105	51	28	5	1	495
	45-54 yrs	205	71	45	4	5	2	332
	55-64 yrs	154	60	53	3	5	3	278
	65+ yrs	232	161	140	1	4	6	544
	Unknown	3	8	3	0	2	1	17
Total		1,785	972	440	186	75	43	3,501
1993	0-4 yrs	0	40	17	0	3	0	60
	5-14 yrs	5	66	53	8	23	3	158
	15-19 yrs	176	210	37	36	11	2	472
	20-24 yrs	244	122	29	61	9	5	470
	25-34 yrs	454	164	56	58	14	4	750
	35-44 yrs	327	93	54	31	6	1	512
	45-54 yrs	242	67	46	18	3	3	379
	55-64 yrs	149	59	55	3	5	1	272
	65+ yrs	247	142	128	1	7	2	527
	Unknown	5	5	4	0	0	1	15
Total		1,849	968	479	216	81	22	3,615
1994	0-4 yrs	0	39	26	0	0	3	68
	5-14 yrs	9	67	32	3	30	1	142
	15-19 yrs	169	162	31	32	13	9	416
	20-24 yrs	230	106	41	29	3	9	418
	25-34 yrs	365	122	50	47	8	6	598
	35-44 yrs	302	77	41	31	8	7	466
	45-54 yrs	204	67	37	13	6	1	328
	55-64 yrs	145	65	42	6	6	2	266
	65+ yrs	254	142	125	1	7	1	530
	Unknown	4	12	4	1	5	5	31
Total		1,682	859	429	163	86	44	3,263
1995	0-4 yrs	0	56	10	0	0	4	70
	5-14 yrs	6	73	34	3	27	7	150
	15-19 yrs	167	177	38	27	6	5	420
	20-24 yrs	237	112	28	43	4	7	431
	25-34 yrs	397	132	49	47	5	6	636
	35-44 yrs	311	110	41	24	9	7	502
	45-54 yrs	207	65	35	18	5	2	332
	55-64 yrs	146	48	41	3	2	1	241
	65+ yrs	248	153	135	1	4	3	544
	Unknown	5	11	5	0	2	2	25
Total		1,724	937	416	166	64	44	3,351

Table 3.11 Persons Killed in Collisions, by Road User Class and Age Group (cont.)

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1996	0-4 yrs	0	25	12	0	2	0	39
	5-14 yrs	5	65	41	2	14	3	130
	15-19 yrs	145	159	30	24	7	15	380
	20-24 yrs	204	120	37	27	4	3	395
	25-34 yrs	329	123	40	30	14	3	539
	35-44 yrs	276	79	54	19	1	2	431
	45-54 yrs	215	55	50	19	6	1	346
	55-64 yrs	150	62	44	4	4	0	264
	65+ yrs	249	139	151	2	8	0	549
	Unknown	2	9	6	1	0	0	18
	Total	1,575	836	465	128	60	27	3,091
1997	0-4 yrs	1	43	7	0	2	8	61
	5-14 yrs	7	62	45	2	22	6	144
	15-19 yrs	152	178	42	16	9	11	408
	20-24 yrs	215	102	22	25	5	10	379
	25-34 yrs	309	105	49	33	12	3	511
	35-44 yrs	280	72	38	30	5	5	430
	45-54 yrs	226	47	34	8	1	3	319
	55-64 yrs	155	69	37	4	2	1	268
	65+ yrs	247	137	120	5	8	2	519
	Unknown	2	13	8	0	1	1	25
	Total	1,594	828	402	123	67	50	3,064

Note: Driver and Passenger classes are determined by a person's seating position in the vehicle. There can be more than one person coded for a particular seating position. For example, a child seated on an adult driver's lap may be coded as a driver. This is why there occasionally appears to be incorrect data such as 4-year-old drivers.

Table 3.12

Persons Injured in Collisions, by Road User Class and Age Group

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1988	0-4 yrs	47	4,113	709	8	128	53	5,058
	5-14 yrs	305	11,288	3,969	381	4,235	218	20,396
	15-19 yrs	17,968	17,691	1,903	3,577	2,651	226	44,016
	20-24 yrs	26,328	14,047	1,558	3,625	1,639	152	47,349
	25-34 yrs	41,266	15,305	2,383	2,903	1,578	182	63,617
	35-44 yrs	27,314	8,571	1,611	1,102	528	75	39,201
	45-54 yrs	15,124	6,015	1,163	328	236	67	22,933
	55-64 yrs	9,835	5,186	1,243	135	149	44	16,592
	65+ yrs	7,003	5,350	1,879	64	125	45	14,466
	Unknown	969	3,011	588	119	400	95	5,182
Total		146,159	90,577	17,006	12,242	11,669	1,157	278,810
1989	0-4 yrs	40	4,059	634	8	114	57	4,912
	5-14 yrs	273	11,006	3,640	373	4,305	232	19,829
	15-19 yrs	17,662	17,243	1,806	2,651	2,423	297	42,082
	20-24 yrs	24,836	12,883	1,444	2,669	1,447	173	43,452
	25-34 yrs	41,463	15,502	2,350	2,491	1,553	206	63,565
	35-44 yrs	27,523	8,609	1,573	1,024	565	128	39,422
	45-54 yrs	15,489	6,032	1,167	374	233	58	23,353
	55-64 yrs	9,567	4,951	1,106	117	182	45	15,968
	65+ yrs	6,970	5,455	1,764	62	110	55	14,416
	Unknown	542	3,178	557	92	341	148	4,858
Total		144,365	88,918	16,041	9,861	11,273	1,399	271,857
1990	0-4 yrs	26	3,791	647	10	91	46	4,611
	5-14 yrs	267	10,631	3,579	322	3,832	189	18,820
	15-19 yrs	16,704	16,076	1,767	2,389	2,126	202	39,264
	20-24 yrs	22,648	12,021	1,464	2,325	1,362	170	39,990
	25-34 yrs	40,146	14,668	2,457	2,434	1,676	175	61,556
	35-44 yrs	27,446	8,537	1,708	1,117	655	102	39,565
	45-54 yrs	15,361	5,700	1,177	376	291	49	22,954
	55-64 yrs	9,271	4,590	1,101	98	160	38	15,258
	65+ yrs	7,257	5,437	1,727	43	122	42	14,628
	Unknown	1,301	3,331	724	116	411	150	6,033
Total		140,427	84,782	16,351	9,230	10,726	1,163	262,679
1991	0-4 yrs	30	3,613	571	5	91	44	4,354
	5-14 yrs	277	10,271	3,411	366	3,986	253	18,564
	15-19 yrs	15,133	15,002	1,716	1,988	2,084	261	36,184
	20-24 yrs	20,747	11,150	1,383	2,167	1,508	177	37,132
	25-34 yrs	37,574	13,799	2,297	2,197	1,819	216	57,902
	35-44 yrs	26,650	8,137	1,636	1,152	783	117	38,475
	45-54 yrs	14,813	5,464	1,099	395	316	64	22,151
	55-64 yrs	8,899	4,311	980	140	186	46	14,562
	65+ yrs	7,261	5,187	1,567	58	183	68	14,324
	Unknown	1,161	3,038	662	110	461	132	5,564
Total		132,545	79,972	15,322	8,578	11,417	1,378	249,212

Table 3.12 Persons Injured in Collisions, by Road User Class and Age Group (cont.)

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1992	0-4 yrs	31	3,596	484	2	95	49	4,257
	5-14 yrs	259	10,344	3,325	294	3,731	239	18,192
	15-19 yrs	15,114	15,038	1,744	1,682	1,910	227	35,715
	20-24 yrs	20,521	11,244	1,401	1,898	1,486	147	36,697
	25-34 yrs	37,794	14,069	2,206	1,931	1,792	191	57,983
	35-44 yrs	27,357	8,212	1,583	1,083	722	121	39,078
	45-54 yrs	15,968	5,534	1,067	372	304	59	23,304
	55-64 yrs	8,988	4,290	964	123	177	38	14,580
	65+ yrs	7,618	5,223	1,661	52	159	52	14,765
	Unknown	1,150	2,907	563	90	435	102	5,247
Total	134,800	80,457	14,998	7,527	10,811	1,225	249,818	
1993	0-4 yrs	36	3,474	487	2	89	44	4,132
	5-14 yrs	285	10,208	3,096	267	3,425	214	17,495
	15-19 yrs	15,089	14,970	1,813	1,428	1,765	208	35,273
	20-24 yrs	20,022	10,844	1,315	1,706	1,313	134	35,334
	25-34 yrs	36,906	13,381	2,091	1,851	1,696	189	56,114
	35-44 yrs	27,611	8,040	1,648	1,075	811	110	39,295
	45-54 yrs	16,646	5,806	1,112	441	383	66	24,454
	55-64 yrs	9,092	4,279	949	113	202	37	14,672
	65+ yrs	7,916	5,378	1,610	52	154	36	15,146
	Unknown	1,401	2,944	612	89	507	119	5,672
Total	135,004	79,324	14,733	7,024	10,345	1,157	247,587	
1994	0-4 yrs	25	3,343	533	4	72	38	4,015
	5-14 yrs	234	10,149	3,132	276	3,591	158	17,540
	15-19 yrs	14,744	14,663	1,695	1,309	1,740	219	34,370
	20-24 yrs	19,301	10,120	1,338	1,511	1,176	148	33,594
	25-34 yrs	35,473	12,731	2,208	1,677	1,717	131	53,937
	35-44 yrs	27,940	8,215	1,652	1,168	914	82	39,971
	45-54 yrs	17,584	5,763	1,208	497	389	53	25,494
	55-64 yrs	9,037	4,163	965	133	201	31	14,530
	65+ yrs	8,184	5,433	1,674	66	176	43	15,576
	Unknown	1,336	3,437	635	107	468	100	6,083
Total	133,858	78,017	15,040	6,748	10,444	1,003	245,110	
1995	0-4 yrs	18	3,410	455	5	70	45	4,003
	5-14 yrs	221	9,980	3,006	229	3,134	242	16,812
	15-19 yrs	13,852	14,221	1,717	1,127	1,629	200	32,746
	20-24 yrs	18,753	10,088	1,255	1,351	1,153	121	32,721
	25-34 yrs	35,080	12,389	2,079	1,592	1,708	148	52,996
	35-44 yrs	28,166	8,352	1,766	1,014	934	94	40,326
	45-54 yrs	17,728	5,858	1,320	542	448	54	25,950
	55-64 yrs	9,111	4,120	990	145	225	37	14,628
	65+ yrs	8,410	5,263	1,596	68	190	22	15,549
	Unknown	1,303	3,436	704	86	477	122	6,128
Total	132,642	77,117	14,888	6,159	9,968	1,085	241,859	

Table 3.12 Persons Injured in Collisions, by Road User Class and Age Group (cont.)

Year	Age Group	Road User Class						Total
		Driver	Passenger	Pedestrian	Motorcyclist	Cyclist	Unknown	
1996	0-4 yrs	19	3,093	432	2	45	54	3,645
	5-14 yrs	177	9,640	2,850	188	2,591	168	15,614
	15-19 yrs	12,427	13,237	1,672	895	1,412	219	29,862
	20-24 yrs	17,371	9,342	1,241	1,056	1,021	141	30,172
	25-34 yrs	32,806	11,690	2,046	1,317	1,483	196	49,538
	35-44 yrs	27,820	8,091	1,713	960	911	134	39,629
	45-54 yrs	17,875	5,786	1,301	526	396	68	25,952
	55-64 yrs	9,111	4,024	904	135	227	31	14,432
	65+ yrs	8,462	5,292	1,544	71	182	55	15,606
	Unknown	1,360	3,644	752	52	453	178	6,439
Total	127,428	73,839	14,455	5,202	8,721	1,244	230,889	
1997	0-4 yrs	19	2,848	455	2	58	39	3,421
	5-14 yrs	199	9,091	2,751	160	2,602	187	14,990
	15-19 yrs	12,225	12,705	1,594	799	1,340	220	28,883
	20-24 yrs	16,292	8,809	1,244	1,024	879	139	28,387
	25-34 yrs	30,420	10,487	1,950	1,298	1,367	162	45,684
	35-44 yrs	27,090	7,647	1,729	899	967	119	38,451
	45-54 yrs	17,750	5,714	1,283	613	474	67	25,901
	55-64 yrs	8,807	3,683	911	136	213	36	13,786
	65+ yrs	8,567	5,098	1,486	57	147	39	15,394
	Unknown	1,330	3,730	687	74	464	167	6,452
Total	122,699	69,812	14,090	5,062	8,511	1,175	221,349	

Note: Driver and Passenger classes are determined by a person's seating position in the vehicle. There can be more than one person coded for a particular seating position. For example, a child seated on an adult driver's lap may be coded as a driver. This is why there occasionally appears to be incorrect data such as 4-year-old drivers.

Table 3.13
Persons Killed in Collisions, by Sex and Age Group

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1988	0-4 yrs	32	44	2	78
	5-14 yrs	72	149	1	222
	15-19 yrs	150	448	0	598
	20-24 yrs	141	548	0	689
	25-34 yrs	194	649	0	843
	35-44 yrs	125	370	0	495
	45-54 yrs	87	205	0	292
	55-64 yrs	134	204	0	338
	65+ yrs	238	338	0	576
	Unknown	7	12	4	23
	Total	1,180	2,967	7	4,154
1989	0-4 yrs	37	48	4	89
	5-14 yrs	78	127	0	205
	15-19 yrs	145	396	0	541
	20-24 yrs	152	448	0	600
	25-34 yrs	219	657	1	877
	35-44 yrs	169	376	0	545
	45-54 yrs	102	202	0	304
	55-64 yrs	111	212	1	324
	65+ yrs	247	327	0	574
	Unknown	12	9	3	24
	Total	1,272	2,802	9	4,083
1990	0-4 yrs	29	52	0	81
	5-14 yrs	85	139	0	224
	15-19 yrs	127	356	0	483
	20-24 yrs	137	429	0	566
	25-34 yrs	211	665	0	876
	35-44 yrs	158	346	0	504
	45-54 yrs	107	206	0	313
	55-64 yrs	101	209	0	310
	65+ yrs	239	344	0	583
	Unknown	11	8	3	22
	Total	1,205	2,754	3	3,962

Table 3.13 Persons Killed in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1991	0-4 yrs	20	32	0	52
	5-14 yrs	73	125	0	198
	15-19 yrs	117	336	0	453
	20-24 yrs	122	431	1	554
	25-34 yrs	192	585	0	777
	35-44 yrs	141	336	0	477
	45-54 yrs	101	214	0	315
	55-64 yrs	108	193	0	301
	65+ yrs	255	289	0	544
	Unknown	3	12	4	19
	Total	1,132	2,553	5	3,690
1992	0-4 yrs	29	33	0	62
	5-14 yrs	63	110	0	173
	15-19 yrs	122	282	0	404
	20-24 yrs	115	373	0	488
	25-34 yrs	167	541	0	708
	35-44 yrs	158	337	0	495
	45-54 yrs	108	224	0	332
	55-64 yrs	91	187	0	278
	65+ yrs	244	300	0	544
	Unknown	5	10	2	17
	Total	1,102	2,397	2	3,501
1993	0-4 yrs	24	36	0	60
	5-14 yrs	65	93	0	158
	15-19 yrs	153	319	0	472
	20-24 yrs	111	359	0	470
	25-34 yrs	183	567	0	750
	35-44 yrs	179	333	0	512
	45-54 yrs	113	266	0	379
	55-64 yrs	100	172	0	272
	65+ yrs	226	301	0	527
	Unknown	4	9	2	15
	Total	1,158	2,455	2	3,615
1994	0-4 yrs	33	35	0	68
	5-14 yrs	49	93	0	142
	15-19 yrs	113	303	0	416
	20-24 yrs	83	335	0	418
	25-34 yrs	160	438	0	598
	35-44 yrs	125	341	0	466
	45-54 yrs	102	226	0	328
	55-64 yrs	88	178	0	266
	65+ yrs	229	301	0	530
	Unknown	11	13	7	31
	Total	993	2,263	7	3,263

Table 3.13 Persons Killed in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1995	0-4 yrs	29	41	0	70
	5-14 yrs	61	89	0	150
	15-19 yrs	140	280	0	420
	20-24 yrs	98	333	0	431
	25-34 yrs	161	475	0	636
	35-44 yrs	143	359	0	502
	45-54 yrs	97	235	0	332
	55-64 yrs	79	162	0	241
	65+ yrs	249	295	0	544
	Unknown	9	12	4	25
Total		1,066	2,281	4	3,351
1996	0-4 yrs	17	22	0	39
	5-14 yrs	51	79	0	130
	15-19 yrs	126	254	0	380
	20-24 yrs	93	302	0	395
	25-34 yrs	133	406	0	539
	35-44 yrs	140	290	1	431
	45-54 yrs	101	245	0	346
	55-64 yrs	90	174	0	264
	65+ yrs	217	332	0	549
	Unknown	6	10	2	18
Total		974	2,114	3	3,091
1997	0-4 yrs	25	36	0	61
	5-14 yrs	59	85	0	144
	15-19 yrs	138	270	0	408
	20-24 yrs	92	287	0	379
	25-34 yrs	121	389	1	511
	35-44 yrs	107	323	0	430
	45-54 yrs	108	211	0	319
	55-64 yrs	93	175	0	268
	65+ yrs	213	306	0	519
	Unknown	9	15	1	25
Total		965	2,097	2	3,064

Table 3.14
Persons Injured in Collisions, by Sex and Age Group

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1988	0-4 yrs	2,332	2,713	13	5,058
	5-14 yrs	9,060	11,312	24	20,396
	15-19 yrs	18,319	25,678	19	44,016
	20-24 yrs	18,647	28,675	27	47,349
	25-34 yrs	26,895	36,690	32	63,617
	35-44 yrs	18,744	20,430	27	39,201
	45-54 yrs	11,435	11,484	14	22,933
	55-64 yrs	8,368	8,216	8	16,592
	65+ yrs	7,807	6,651	8	14,466
	Unknown	2,378	2,316	488	5,182
	Total	123,985	154,165	660	278,810
1989	0-4 yrs	2,288	2,607	17	4,912
	5-14 yrs	8,907	10,891	31	19,829
	15-19 yrs	17,951	24,096	35	42,082
	20-24 yrs	17,380	26,052	20	43,452
	25-34 yrs	27,137	36,398	30	63,565
	35-44 yrs	19,239	20,169	14	39,422
	45-54 yrs	11,662	11,679	12	23,353
	55-64 yrs	8,023	7,939	6	15,968
	65+ yrs	7,749	6,651	16	14,416
	Unknown	2,315	1,944	599	4,858
	Total	122,651	148,426	780	271,857
1990	0-4 yrs	2,174	2,433	4	4,611
	5-14 yrs	8,476	10,326	18	18,820
	15-19 yrs	17,318	21,924	22	39,264
	20-24 yrs	16,454	23,520	16	39,990
	25-34 yrs	26,503	35,034	19	61,556
	35-44 yrs	19,341	20,208	16	39,565
	45-54 yrs	11,512	11,435	7	22,954
	55-64 yrs	7,650	7,600	8	15,258
	65+ yrs	8,007	6,612	9	14,628
	Unknown	2,764	2,556	713	6,033
	Total	120,199	141,648	832	262,679

Table 3.14 Persons Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1991	0-4 yrs	2,011	2,341	2	4,354
	5-14 yrs	8,412	10,138	14	18,564
	15-19 yrs	15,988	20,170	26	36,184
	20-24 yrs	15,569	21,541	22	37,132
	25-34 yrs	25,171	32,700	31	57,902
	35-44 yrs	18,657	19,795	23	38,475
	45-54 yrs	11,265	10,868	18	22,151
	55-64 yrs	7,310	7,245	7	14,562
	65+ yrs	7,753	6,562	9	14,324
	Unknown	2,518	2,334	712	5,564
	Total	114,654	133,694	864	249,212
1992	0-4 yrs	2,012	2,239	6	4,257
	5-14 yrs	8,174	10,000	18	18,192
	15-19 yrs	16,287	19,399	29	35,715
	20-24 yrs	15,677	21,002	18	36,697
	25-34 yrs	25,645	32,312	26	57,983
	35-44 yrs	19,283	19,776	19	39,078
	45-54 yrs	12,025	11,269	10	23,304
	55-64 yrs	7,409	7,165	6	14,580
	65+ yrs	7,997	6,762	6	14,765
	Unknown	2,378	2,226	643	5,247
	Total	116,887	132,150	781	249,818
1993	0-4 yrs	2,003	2,120	9	4,132
	5-14 yrs	8,072	9,408	15	17,495
	15-19 yrs	16,618	18,636	19	35,273
	20-24 yrs	15,481	19,841	12	35,334
	25-34 yrs	25,272	30,822	20	56,114
	35-44 yrs	19,161	20,119	15	39,295
	45-54 yrs	12,509	11,940	5	24,454
	55-64 yrs	7,433	7,231	8	14,672
	65+ yrs	8,217	6,917	12	15,146
	Unknown	2,526	2,432	714	5,672
	Total	117,292	129,466	829	247,587
1994	0-4 yrs	1,898	2,112	5	4,015
	5-14 yrs	8,040	9,489	11	17,540
	15-19 yrs	16,133	18,223	14	34,370
	20-24 yrs	14,848	18,735	11	33,594
	25-34 yrs	24,642	29,277	18	53,937
	35-44 yrs	19,644	20,319	8	39,971
	45-54 yrs	13,098	12,390	6	25,494
	55-64 yrs	7,366	7,162	2	14,530
	65+ yrs	8,413	7,156	7	15,576
	Unknown	2,852	2,458	773	6,083
	Total	116,934	127,321	855	245,110

Table 3.14 Persons Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Sex			Total
		Female	Male	Unknown	
1995	0-4 yrs	1,892	2,105	6	4,003
	5-14 yrs	7,830	8,972	10	16,812
	15-19 yrs	15,578	17,148	20	32,746
	20-24 yrs	14,588	18,114	19	32,721
	25-34 yrs	24,648	28,330	18	52,996
	35-44 yrs	20,014	20,301	11	40,326
	45-54 yrs	13,459	12,486	5	25,950
	55-64 yrs	7,441	7,183	4	14,628
	65+ yrs	8,271	7,270	8	15,549
	Unknown	2,867	2,576	685	6,128
	Total	116,588	124,485	786	241,859
1996	0-4 yrs	1,714	1,925	6	3,645
	5-14 yrs	7,161	8,438	15	15,614
	15-19 yrs	14,210	15,630	22	29,862
	20-24 yrs	13,666	16,494	12	30,172
	25-34 yrs	23,225	26,297	16	49,538
	35-44 yrs	19,604	20,010	15	39,629
	45-54 yrs	13,411	12,534	7	25,952
	55-64 yrs	7,368	7,061	3	14,432
	65+ yrs	8,263	7,339	4	15,606
	Unknown	2,943	2,525	971	6,439
	Total	111,565	118,253	1,071	230,889
1997	0-4 yrs	1,631	1,783	7	3,421
	5-14 yrs	6,896	8,085	9	14,990
	15-19 yrs	13,878	14,988	17	28,883
	20-24 yrs	13,078	15,301	8	28,387
	25-34 yrs	21,593	24,074	17	45,684
	35-44 yrs	19,115	19,329	7	38,451
	45-54 yrs	13,522	12,371	8	25,901
	55-64 yrs	7,052	6,728	6	13,786
	65+ yrs	8,147	7,239	8	15,394
	Unknown	3,016	2,527	909	6,452
	Total	107,928	112,425	996	221,349

Table 3.15
Persons Killed in Collisions, by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
January	266	265	278	247	235	230	245	234	261	215
February	209	248	244	229	233	224	192	220	218	199
March	260	233	253	260	201	222	181	213	219	222
April	272	280	249	213	230	217	196	232	159	183
May	311	304	306	331	298	292	273	265	238	276
June	386	375	374	372	312	323	284	331	251	273
July	485	450	459	360	324	416	360	381	292	286
August	463	450	435	448	392	368	368	348	364	345
September	395	383	395	339	317	328	293	299	270	238
October	398	376	362	314	318	332	345	285	264	316
November	329	340	310	306	314	317	238	251	269	254
December	380	379	297	271	327	346	288	292	286	257
Total	4,154	4,083	3,962	3,690	3,501	3,615	3,263	3,351	3,091	3,064

Table 3.16
Persons Injured in Collisions, by Month

Month	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
January	21,076	19,640	19,807	18,897	19,622	19,746	21,868	19,348	20,199	19,272
February	19,973	17,768	19,248	15,810	18,841	16,223	18,463	18,048	18,069	15,524
March	18,478	19,342	18,367	17,484	16,427	17,279	16,985	16,713	16,757	17,260
April	19,015	17,702	17,931	17,358	17,108	16,672	16,273	16,868	15,703	14,272
May	23,032	22,403	22,000	21,378	20,698	19,988	19,651	19,320	17,566	17,793
June	25,555	24,754	24,751	23,426	22,137	22,239	21,998	21,516	20,752	20,235
July	27,668	26,119	25,624	23,805	23,671	23,125	22,914	21,935	21,058	20,375
August	27,318	25,733	25,358	24,664	23,690	24,247	22,307	22,424	21,807	21,117
September	24,152	24,071	22,556	21,656	21,232	22,091	21,009	21,014	19,823	18,352
October	24,653	23,787	22,256	22,013	22,000	22,060	21,204	20,734	19,769	19,210
November	22,764	24,186	22,095	21,435	21,485	20,952	20,925	22,156	19,933	19,045
December	25,126	26,352	22,686	21,277	22,901	22,957	21,511	21,774	19,446	18,884
Unknown	0	0	0	9	6	8	2	9	7	10
Total	278,810	271,857	262,679	249,212	249,818	247,587	245,110	241,859	230,889	221,349

Table 3.17
Persons Killed and Injured in Collisions, by Road Classification

Year	Killed				Injured			
	Urban	Rural	Other/ Unknown	Total	Urban	Rural	Other/ Unknown	Total
1988	1,361	2,712	81	4,154	181,844	88,620	8,346	278,810
1989	1,272	2,782	29	4,083	177,980	86,949	6,928	271,857
1990	1,275	2,647	40	3,962	172,700	82,301	7,678	262,679
1991	1,039	2,117	534	3,690	148,605	70,092	30,515	249,212
1992	959	2,081	461	3,501	150,910	68,914	29,994	249,818
1993	1,000	2,135	480	3,615	151,103	67,257	29,227	247,587
1994	896	1,856	511	3,263	149,714	66,159	29,237	245,110
1995	905	1,932	514	3,351	147,200	64,530	30,129	241,859
1996	894	1,740	457	3,091	138,736	61,417	30,736	230,889
1997	842	1,679	543	3,064	130,392	59,833	31,124	221,349

Note: All persons in Alberta collisions from 1991 to 1997 and in Yukon collisions from 1995 to 1997 are included in the Other/Unknown category.

Table 3.18
Driver Fatality and Injury Rates per 100,000 Licensed Drivers

Year	Drivers Killed	Rate per 100,000 Licensed Drivers	Drivers Injured	Rate per 100,000 Licensed Drivers
1988	2,030	11.8	146,159	852.0
1989	2,055	11.7	144,365	820.6
1990	1,892	10.7	140,427	792.6
1991	1,821	10.1	132,545	732.7
1992	1,785	9.7	134,800	730.0
1993	1,849	9.8	135,004	716.4
1994	1,682	8.7	133,858	695.7
1995	1,724	8.8	132,642	676.2
1996	1,575	7.9	127,428	638.3
1997	1,594	7.9	122,699	609.0

Note: Licensed driver data are from Statistics Canada.

Table 3.19
Drivers Killed and Injured in Collisions, by Sex and Age Group

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	0-4 yrs	0	0	0	0	20	26	1	47
	5-14 yrs	1	6	0	7	84	221	0	305
	15-19 yrs	44	203	0	247	6,674	11,293	1	17,968
	20-24 yrs	62	294	0	356	9,667	16,656	5	26,328
	25-34 yrs	98	420	0	518	15,979	25,273	14	41,266
	35-44 yrs	61	251	0	312	11,820	15,486	8	27,314
	45-54 yrs	37	131	0	168	6,137	8,982	5	15,124
	55-64 yrs	47	142	0	189	3,540	6,295	0	9,835
	65+ yrs	37	192	0	229	2,403	4,600	0	7,003
	Unknown	1	1	2	4	366	479	124	969
	Total	388	1,640	2	2,030	56,690	89,311	158	146,159
1989	0-4 yrs	0	0	0	0	16	24	0	40
	5-14 yrs	0	6	0	6	74	199	0	273
	15-19 yrs	45	180	0	225	6,661	10,998	3	17,662
	20-24 yrs	66	245	0	311	9,264	15,565	7	24,836
	25-34 yrs	109	440	1	550	16,260	25,194	9	41,463
	35-44 yrs	97	241	0	338	12,170	15,348	5	27,523
	45-54 yrs	51	136	0	187	6,363	9,125	1	15,489
	55-64 yrs	33	144	0	177	3,445	6,121	1	9,567
	65+ yrs	51	205	0	256	2,374	4,594	2	6,970
	Unknown	0	3	2	5	136	252	154	542
	Total	452	1,600	3	2,055	56,763	87,420	182	144,365
1990	0-4 yrs	0	0	0	0	12	14	0	26
	5-14 yrs	1	2	0	3	72	195	0	267
	15-19 yrs	37	149	0	186	6,678	10,025	1	16,704
	20-24 yrs	68	224	0	292	8,785	13,856	7	22,648
	25-34 yrs	105	409	0	514	16,112	24,030	4	40,146
	35-44 yrs	80	221	0	301	12,253	15,185	8	27,446
	45-54 yrs	52	134	0	186	6,520	8,839	2	15,361
	55-64 yrs	32	138	0	170	3,423	5,846	2	9,271
	65+ yrs	54	184	0	238	2,606	4,650	1	7,257
	Unknown	0	0	2	2	462	644	195	1,301
	Total	429	1,461	2	1,892	56,923	83,284	220	140,427

Table 3.19 Drivers Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1991	0-4 yrs	0	1	0	1	13	17	0	30
	5-14 yrs	2	7	0	9	80	196	1	277
	15-19 yrs	33	146	0	179	6,139	8,988	6	15,133
	20-24 yrs	51	227	1	279	8,383	12,352	12	20,747
	25-34 yrs	95	359	0	454	15,285	22,267	22	37,574
	35-44 yrs	73	228	0	301	12,010	14,627	13	26,650
	45-54 yrs	50	150	0	200	6,421	8,387	5	14,813
	55-64 yrs	33	128	0	161	3,279	5,614	6	8,899
	65+ yrs	59	175	0	234	2,615	4,643	3	7,261
	Unknown	0	0	3	3	451	532	178	1,161
	Total	396	1,421	4	1,821	54,676	77,623	246	132,545
1992	0-4 yrs	0	0	0	0	13	15	3	31
	5-14 yrs	0	3	0	3	71	188	0	259
	15-19 yrs	44	126	0	170	6,310	8,796	8	15,114
	20-24 yrs	55	222	0	277	8,557	11,955	9	20,521
	25-34 yrs	90	346	0	436	15,786	21,995	13	37,794
	35-44 yrs	79	226	0	305	12,483	14,861	13	27,357
	45-54 yrs	50	155	0	205	7,082	8,883	3	15,968
	55-64 yrs	27	127	0	154	3,393	5,593	2	8,988
	65+ yrs	43	189	0	232	2,781	4,836	1	7,618
	Unknown	1	2	0	3	417	540	193	1,150
	Total	389	1,396	0	1,785	56,893	77,662	245	134,800
1993	0-4 yrs	0	0	0	0	17	19	0	36
	5-14 yrs	1	4	0	5	96	188	1	285
	15-19 yrs	44	132	0	176	6,506	8,573	10	15,089
	20-24 yrs	50	194	0	244	8,546	11,471	5	20,022
	25-34 yrs	100	354	0	454	15,660	21,238	8	36,906
	35-44 yrs	96	231	0	327	12,490	15,114	7	27,611
	45-54 yrs	59	183	0	242	7,389	9,254	3	16,646
	55-64 yrs	38	111	0	149	3,531	5,558	3	9,092
	65+ yrs	57	190	0	247	2,885	5,029	2	7,916
	Unknown	0	3	2	5	525	652	224	1,401
	Total	445	1,402	2	1,849	57,645	77,096	263	135,004
1994	0-4 yrs	0	0	0	0	11	14	0	25
	5-14 yrs	2	7	0	9	92	142	0	234
	15-19 yrs	36	133	0	169	6,426	8,312	6	14,744
	20-24 yrs	38	192	0	230	8,251	11,048	2	19,301
	25-34 yrs	84	281	0	365	15,349	20,119	5	35,473
	35-44 yrs	70	232	0	302	12,828	15,109	3	27,940
	45-54 yrs	49	155	0	204	7,978	9,604	2	17,584
	55-64 yrs	32	113	0	145	3,531	5,505	1	9,037
	65+ yrs	64	190	0	254	3,018	5,166	0	8,184
	Unknown	0	2	2	4	476	617	243	1,336
	Total	375	1,305	2	1,682	57,960	75,636	262	133,858

Table 3.19 Drivers Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1995	0-4 yrs	0	0	0	0	6	12	0	18
	5-14 yrs	1	5	0	6	75	146	0	221
	15-19 yrs	41	126	0	167	6,018	7,826	8	13,852
	20-24 yrs	51	186	0	237	8,039	10,704	10	18,753
	25-34 yrs	88	309	0	397	15,585	19,486	9	35,080
	35-44 yrs	61	250	0	311	13,001	15,161	4	28,166
	45-54 yrs	44	163	0	207	8,156	9,570	2	17,728
	55-64 yrs	32	114	0	146	3,565	5,546	0	9,111
	65+ yrs	53	195	0	248	3,151	5,257	2	8,410
	Unknown	0	4	1	5	538	585	180	1,303
	Total	371	1,352	1	1,724	58,134	74,293	215	132,642
1996	0-4 yrs	0	0	0	0	9	10	0	19
	5-14 yrs	0	5	0	5	50	127	0	177
	15-19 yrs	35	110	0	145	5,316	7,109	2	12,427
	20-24 yrs	49	155	0	204	7,562	9,807	2	17,371
	25-34 yrs	70	259	0	329	14,584	18,219	3	32,806
	35-44 yrs	75	201	0	276	12,896	14,917	7	27,820
	45-54 yrs	45	170	0	215	8,154	9,719	2	17,875
	55-64 yrs	34	116	0	150	3,592	5,518	1	9,111
	65+ yrs	47	202	0	249	3,117	5,345	0	8,462
	Unknown	0	1	1	2	455	561	344	1,360
	Total	355	1,219	1	1,575	55,735	71,332	361	127,428
1997	0-4 yrs	0	1	0	1	7	12	0	19
	5-14 yrs	2	5	0	7	66	133	0	199
	15-19 yrs	38	114	0	152	5,294	6,927	4	12,225
	20-24 yrs	43	172	0	215	7,195	9,094	3	16,292
	25-34 yrs	58	250	1	309	13,626	16,792	2	30,420
	35-44 yrs	62	218	0	280	12,577	14,513	0	27,090
	45-54 yrs	64	162	0	226	8,304	9,445	1	17,750
	55-64 yrs	29	126	0	155	3,587	5,218	2	8,807
	65+ yrs	57	190	0	247	3,153	5,413	1	8,567
	Unknown	0	1	1	2	503	549	278	1,330
	Total	353	1,239	2	1,594	54,312	68,096	291	122,699

Note: Driver and Passenger classes are determined by a person's seating position in the vehicle. There can be more than one person coded for a particular seating position. For example, a child seated on an adult driver's lap may be coded as a driver. This is why there occasionally appears to be incorrect data such as 4-year-old drivers.

Table 3.20
Drivers of Passenger Cars and Light Trucks Killed in Collisions, by Safety Restraint Use

Year	Vehicle Type	Safety Restraint Used	Safety Restraint Not Used	Unknown	Total
1988	Passenger Car	627	654	215	1,496
	Light Truck	106	226	45	377
	Total	733	880	260	1,873
1989	Passenger Car	684	638	172	1,494
	Light Truck	102	284	51	437
	Total	786	922	223	1,931
1990	Passenger Car	708	536	130	1,374
	Light Truck	118	234	38	390
	Total	826	770	168	1,764
1991	Passenger Car	723	495	113	1,331
	Light Truck	125	202	32	359
	Total	848	697	145	1,690
1992	Passenger Car	719	459	107	1,285
	Light Truck	128	191	44	363
	Total	847	650	151	1,648
1993	Passenger Car	739	446	119	1,304
	Light Truck	134	201	51	386
	Total	873	647	170	1,690
1994	Passenger Car	690	378	117	1,185
	Light Truck	129	193	36	358
	Total	819	571	153	1,543
1995	Passenger Car	726	361	112	1,199
	Light Truck	148	180	47	375
	Total	874	541	159	1,574
1996	Passenger Car	638	318	123	1,079
	Light Truck	153	180	42	375
	Total	791	498	165	1,454
1997	Passenger Car	634	283	139	1,056
	Light Truck	141	196	73	410
	Total	775	479	212	1,466

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.21
Drivers of Passenger Cars and Light Trucks Injured in Collisions, by Safety Restraint Use

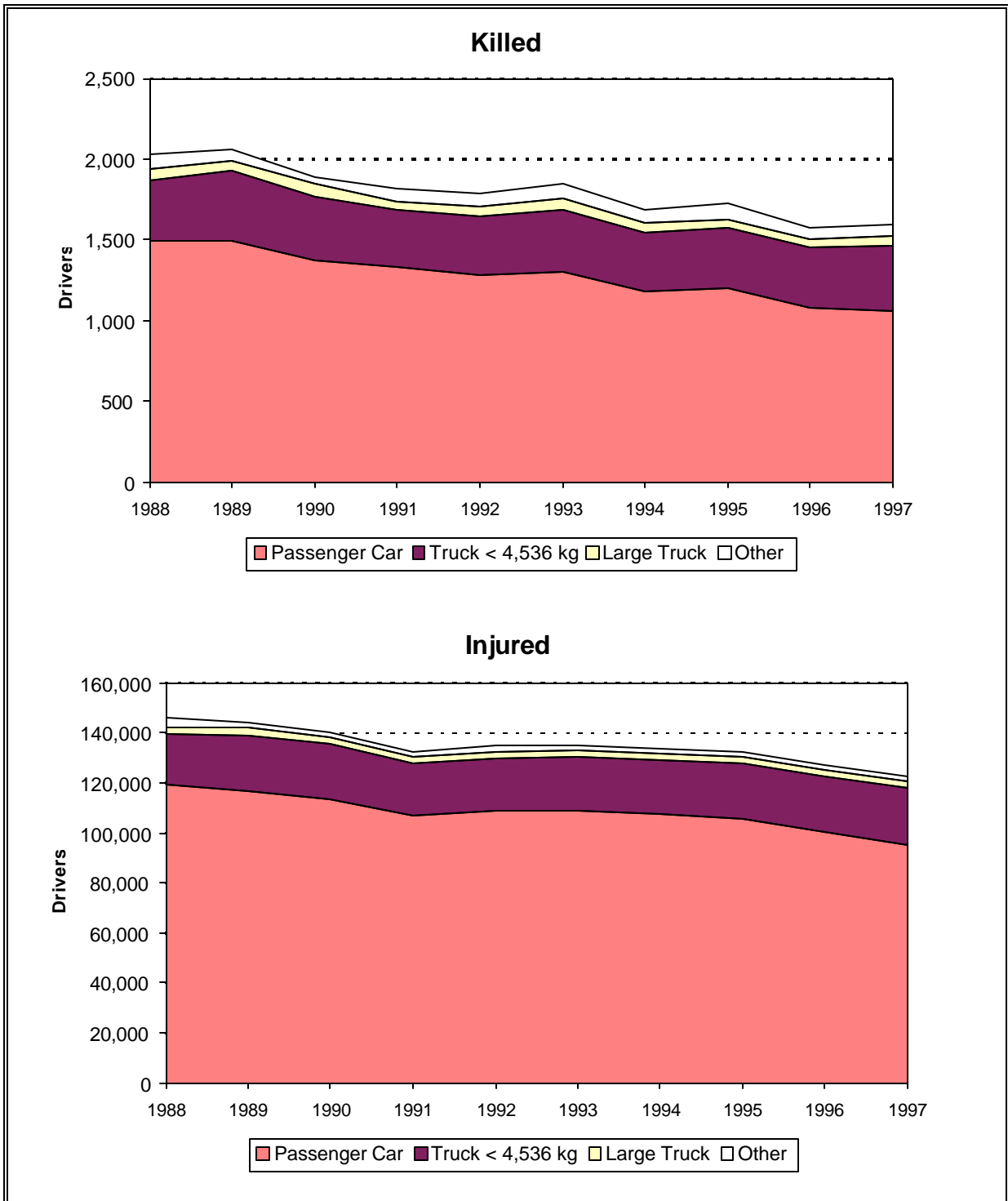
Year	Vehicle Type	Safety Restraint Used	Safety Restraint Not Used	Unknown	Total
1988	Passenger Car	100,828	11,501	7,146	119,475
	Light Truck	15,167	3,191	1,541	19,899
	Total	115,995	14,692	8,687	139,374
1989	Passenger Car	96,839	12,680	7,411	116,930
	Light Truck	16,257	3,984	1,948	22,189
	Total	113,096	16,664	9,359	139,119
1990	Passenger Car	97,189	8,862	7,359	113,410
	Light Truck	17,216	2,925	1,846	21,987
	Total	114,405	11,787	9,205	135,397
1991	Passenger Car	93,160	7,409	6,376	106,945
	Light Truck	16,765	2,552	1,510	20,827
	Total	109,925	9,961	7,886	127,772
1992	Passenger Car	96,165	6,843	6,119	109,127
	Light Truck	17,231	2,309	1,392	20,932
	Total	113,396	9,152	7,511	130,059
1993	Passenger Car	96,774	6,091	5,926	108,791
	Light Truck	17,909	2,149	1,455	21,513
	Total	114,683	8,240	7,381	130,304
1994	Passenger Car	95,913	5,402	5,952	107,267
	Light Truck	18,380	1,984	1,550	21,914
	Total	114,293	7,386	7,502	129,181
1995	Passenger Car	94,487	4,910	6,058	105,455
	Light Truck	18,768	1,903	1,683	22,354
	Total	113,255	6,813	7,741	127,809
1996	Passenger Car	89,480	4,425	6,674	100,579
	Light Truck	19,027	1,655	1,670	22,352
	Total	108,507	6,080	8,344	122,931
1997	Passenger Car	83,946	4,137	7,158	95,241
	Light Truck	19,053	1,662	1,974	22,689
	Total	102,999	5,799	9,132	117,930

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.22
Drivers Killed and Injured in Collisions, by Vehicle Type

Vehicle Type	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Killed										
Passenger Car	1,496	1,494	1,374	1,331	1,285	1,304	1,185	1,199	1,079	1,056
Truck < 4,536 kg	377	437	390	359	363	386	358	375	375	410
Truck > 4,536 kg	17	23	27	21	23	27	29	22	19	15
Tractor Trailer	44	39	58	31	35	42	30	32	28	44
Bus (Unspec.)	0	1	0	0	0	1	0	1	0	1
Intercity Bus	0	0	0	1	0	0	1	0	0	1
School Bus	1	1	0	1	0	0	0	0	0	0
Transit Bus	0	0	0	0	1	0	0	0	0	0
Other/Unknown	95	60	43	77	78	89	79	95	74	67
Total	2,030	2,055	1,892	1,821	1,785	1,849	1,682	1,724	1,575	1,594
Injured										
Passenger Car	119,475	116,930	113,410	106,945	109,127	108,791	107,267	105,455	100,579	95,241
Truck < 4,536 kg	19,899	22,189	21,987	20,827	20,932	21,513	21,914	22,354	22,352	22,689
Truck > 4,536 kg	1,478	1,625	1,465	1,354	1,254	1,252	1,249	1,188	1,178	1,254
Tractor Trailer	1,381	1,350	1,319	1,134	1,070	1,148	1,217	1,212	1,085	1,235
Bus (Unspec.)	121	136	122	66	91	85	87	51	55	73
Intercity Bus	14	23	32	39	27	25	42	28	16	26
School Bus	106	123	126	91	109	88	102	108	95	87
Transit Bus	97	98	109	91	80	103	77	84	85	74
Other/Unknown	3,588	1,891	1,857	1,998	2,110	1,999	1,903	2,162	1,983	2,020
Total	146,159	144,365	140,427	132,545	134,800	135,004	133,858	132,642	127,428	122,699

Figure 3.4
Drivers Killed and Injured in Collisions, by Vehicle Type, 1988-1997



Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Table 3.23
Passengers Killed and Injured in Collisions, by Sex and Age Group

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	0-4 yrs	17	20	0	37	1,997	2,105	11	4,113
	5-14 yrs	29	56	0	85	6,079	5,192	17	11,288
	15-19 yrs	82	119	0	201	9,511	8,166	14	17,691
	20-24 yrs	64	116	0	180	7,398	6,635	14	14,047
	25-34 yrs	69	108	0	177	9,084	6,206	15	15,305
	35-44 yrs	42	42	0	84	5,936	2,623	12	8,571
	45-54 yrs	39	29	0	68	4,577	1,430	8	6,015
	55-64 yrs	59	22	0	81	4,090	1,094	2	5,186
	65+ yrs	115	36	0	151	4,312	1,037	1	5,350
	Unknown	4	7	0	11	1,670	1,229	112	3,011
Total		520	555	0	1,075	54,654	35,717	206	90,577
1989	0-4 yrs	26	32	0	58	1,988	2,059	12	4,059
	5-14 yrs	40	50	0	90	5,988	4,996	22	11,006
	15-19 yrs	76	121	0	197	9,372	7,845	26	17,243
	20-24 yrs	67	91	0	158	6,757	6,121	5	12,883
	25-34 yrs	81	101	0	182	9,109	6,383	10	15,502
	35-44 yrs	51	59	0	110	6,006	2,597	6	8,609
	45-54 yrs	43	21	0	64	4,557	1,466	9	6,032
	55-64 yrs	56	25	0	81	3,930	1,018	3	4,951
	65+ yrs	126	45	0	171	4,323	1,123	9	5,455
	Unknown	7	4	0	11	1,829	1,198	151	3,178
Total		573	549	0	1,122	53,859	34,806	253	88,918
1990	0-4 yrs	22	31	0	53	1,873	1,914	4	3,791
	5-14 yrs	50	54	0	104	5,821	4,798	12	10,631
	15-19 yrs	69	113	0	182	8,860	7,198	18	16,076
	20-24 yrs	54	103	0	157	6,348	5,666	7	12,021
	25-34 yrs	71	104	0	175	8,612	6,045	11	14,668
	35-44 yrs	53	55	0	108	6,005	2,527	5	8,537
	45-54 yrs	42	26	0	68	4,260	1,437	3	5,700
	55-64 yrs	53	26	0	79	3,614	971	5	4,590
	65+ yrs	106	44	0	150	4,368	1,063	6	5,437
	Unknown	5	2	0	7	1,859	1,288	184	3,331
Total		525	558	0	1,083	51,620	32,907	255	84,782

Table 3.23 Passengers Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1991	0-4 yrs	14	16	0	30	1,739	1,872	2	3,613
	5-14 yrs	31	43	0	74	5,605	4,657	9	10,271
	15-19 yrs	66	104	0	170	8,132	6,859	11	15,002
	20-24 yrs	54	112	0	166	5,835	5,308	7	11,150
	25-34 yrs	66	99	0	165	8,088	5,704	7	13,799
	35-44 yrs	45	39	0	84	5,542	2,588	7	8,137
	45-54 yrs	34	24	0	58	4,136	1,319	9	5,464
	55-64 yrs	49	21	0	70	3,449	861	1	4,311
	65+ yrs	108	38	0	146	4,219	963	5	5,187
	Unknown	1	5	0	6	1,654	1,200	184	3,038
	Total	468	501	0	969	48,399	31,331	242	79,972
1992	0-4 yrs	19	21	0	40	1,774	1,819	3	3,596
	5-14 yrs	42	49	0	91	5,549	4,783	12	10,344
	15-19 yrs	65	97	0	162	8,322	6,698	18	15,038
	20-24 yrs	51	80	0	131	5,856	5,382	6	11,244
	25-34 yrs	56	87	0	143	8,154	5,904	11	14,069
	35-44 yrs	56	49	0	105	5,689	2,519	4	8,212
	45-54 yrs	44	27	0	71	4,254	1,274	6	5,534
	55-64 yrs	41	19	0	60	3,447	841	2	4,290
	65+ yrs	127	34	0	161	4,216	1,003	4	5,223
	Unknown	3	5	0	8	1,623	1,144	140	2,907
	Total	504	468	0	972	48,884	31,367	206	80,457
1993	0-4 yrs	15	25	0	40	1,754	1,712	8	3,474
	5-14 yrs	35	31	0	66	5,620	4,582	6	10,208
	15-19 yrs	86	124	0	210	8,471	6,492	7	14,970
	20-24 yrs	45	77	0	122	5,728	5,112	4	10,844
	25-34 yrs	58	106	0	164	7,995	5,380	6	13,381
	35-44 yrs	59	34	0	93	5,538	2,495	7	8,040
	45-54 yrs	40	27	0	67	4,421	1,383	2	5,806
	55-64 yrs	39	20	0	59	3,378	897	4	4,279
	65+ yrs	104	38	0	142	4,362	1,008	8	5,378
	Unknown	2	3	0	5	1,620	1,206	118	2,944
	Total	483	485	0	968	48,887	30,267	170	79,324

Table 3.23 Passengers Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1994	0-4 yrs	20	19	0	39	1,655	1,683	5	3,343
	5-14 yrs	28	39	0	67	5,529	4,611	9	10,149
	15-19 yrs	54	108	0	162	8,203	6,455	5	14,663
	20-24 yrs	32	74	0	106	5,420	4,693	7	10,120
	25-34 yrs	47	75	0	122	7,649	5,071	11	12,731
	35-44 yrs	35	42	0	77	5,647	2,564	4	8,215
	45-54 yrs	40	27	0	67	4,361	1,399	3	5,763
	55-64 yrs	43	22	0	65	3,293	869	1	4,163
	65+ yrs	103	39	0	142	4,354	1,074	5	5,433
	Unknown	6	6	0	12	1,969	1,254	214	3,437
Total	408	451	0	859	48,080	29,673	264	78,017	
1995	0-4 yrs	23	33	0	56	1,663	1,742	5	3,410
	5-14 yrs	36	37	0	73	5,422	4,553	5	9,980
	15-19 yrs	82	95	0	177	8,037	6,174	10	14,221
	20-24 yrs	39	73	0	112	5,395	4,687	6	10,088
	25-34 yrs	50	82	0	132	7,408	4,973	8	12,389
	35-44 yrs	59	51	0	110	5,776	2,571	5	8,352
	45-54 yrs	37	28	0	65	4,427	1,429	2	5,858
	55-64 yrs	34	14	0	48	3,282	835	3	4,120
	65+ yrs	116	37	0	153	4,167	1,090	6	5,263
	Unknown	7	4	0	11	1,924	1,329	183	3,436
Total	483	454	0	937	47,501	29,383	233	77,117	
1996	0-4 yrs	11	14	0	25	1,509	1,579	5	3,093
	5-14 yrs	29	36	0	65	5,126	4,505	9	9,640
	15-19 yrs	68	91	0	159	7,474	5,744	19	13,237
	20-24 yrs	32	88	0	120	5,037	4,297	8	9,342
	25-34 yrs	49	74	0	123	7,114	4,566	10	11,690
	35-44 yrs	43	35	1	79	5,495	2,590	6	8,091
	45-54 yrs	28	27	0	55	4,392	1,390	4	5,786
	55-64 yrs	42	20	0	62	3,208	814	2	4,024
	65+ yrs	104	35	0	139	4,231	1,061	0	5,292
	Unknown	5	3	1	9	2,066	1,370	208	3,644
Total	411	423	2	836	45,652	27,916	271	73,839	
1997	0-4 yrs	22	21	0	43	1,391	1,452	5	2,848
	5-14 yrs	28	34	0	62	4,839	4,245	7	9,091
	15-19 yrs	75	103	0	178	7,237	5,455	13	12,705
	20-24 yrs	35	67	0	102	4,822	3,982	5	8,809
	25-34 yrs	45	60	0	105	6,454	4,020	13	10,487
	35-44 yrs	31	41	0	72	5,292	2,349	6	7,647
	45-54 yrs	31	16	0	47	4,328	1,380	6	5,714
	55-64 yrs	44	25	0	69	2,910	770	3	3,683
	65+ yrs	103	34	0	137	4,093	1,001	4	5,098
	Unknown	5	8	0	13	2,130	1,364	236	3,730
Total	419	409	0	828	43,496	26,018	298	69,812	

Table 3.24
Passenger Car and Light Truck Passengers Killed in Collisions, by Safety Restraint Use

Year	Vehicle Type	Safety Restraint Used	Safety Restraint Not Used	Unknown	Total
1988	Passenger Car	366	374	108	848
	Light Truck	43	128	25	196
	Total	409	502	133	1,044
1989	Passenger Car	405	407	107	919
	Light Truck	46	105	18	169
	Total	451	512	125	1,088
1990	Passenger Car	414	351	87	852
	Light Truck	55	109	24	188
	Total	469	460	111	1,040
1991	Passenger Car	382	295	74	751
	Light Truck	55	113	23	191
	Total	437	408	97	942
1992	Passenger Car	407	283	52	742
	Light Truck	67	101	25	193
	Total	474	384	77	935
1993	Passenger Car	417	263	79	759
	Light Truck	59	91	20	170
	Total	476	354	99	929
1994	Passenger Car	375	210	54	639
	Light Truck	66	88	20	174
	Total	441	298	74	813
1995	Passenger Car	387	241	59	687
	Light Truck	80	110	22	212
	Total	467	351	81	899
1996	Passenger Car	352	233	68	653
	Light Truck	57	84	16	157
	Total	409	317	84	810
1997	Passenger Car	308	185	79	572
	Light Truck	63	86	33	182
	Total	371	271	112	754

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.25
Passenger Car and Light Truck Passengers Injured in Collisions, by Safety Restraint Use

Year	Vehicle Type	Safety Restraint Used	Safety Restraint Not Used	Unknown	Total
1988	Passenger Car	55,720	13,674	4,583	73,977
	Light Truck	7,676	3,870	989	12,535
	Total	63,396	17,544	5,572	86,512
1989	Passenger Car	53,378	14,356	4,274	72,008
	Light Truck	8,241	4,293	1,129	13,663
	Total	61,619	18,649	5,403	85,671
1990	Passenger Car	54,708	9,456	4,061	68,225
	Light Truck	8,854	3,466	1,029	13,349
	Total	63,562	12,922	5,090	81,574
1991	Passenger Car	52,638	8,026	3,495	64,159
	Light Truck	9,183	3,028	813	13,024
	Total	61,821	11,054	4,308	77,183
1992	Passenger Car	54,092	7,547	3,294	64,933
	Light Truck	9,351	2,757	879	12,987
	Total	63,443	10,304	4,173	77,920
1993	Passenger Car	53,897	6,645	3,027	63,569
	Light Truck	9,594	2,640	857	13,091
	Total	63,491	9,285	3,884	76,660
1994	Passenger Car	52,804	5,926	3,151	61,881
	Light Truck	10,012	2,411	824	13,247
	Total	62,816	8,337	3,975	75,128
1995	Passenger Car	51,889	5,430	3,155	60,474
	Light Truck	10,626	2,364	912	13,902
	Total	62,515	7,794	4,067	74,376
1996	Passenger Car	49,460	4,791	3,248	57,499
	Light Truck	10,589	2,125	1,010	13,724
	Total	60,049	6,916	4,258	71,223
1997	Passenger Car	45,442	4,401	3,281	53,124
	Light Truck	10,784	2,226	1,050	14,060
	Total	56,226	6,627	4,331	67,184

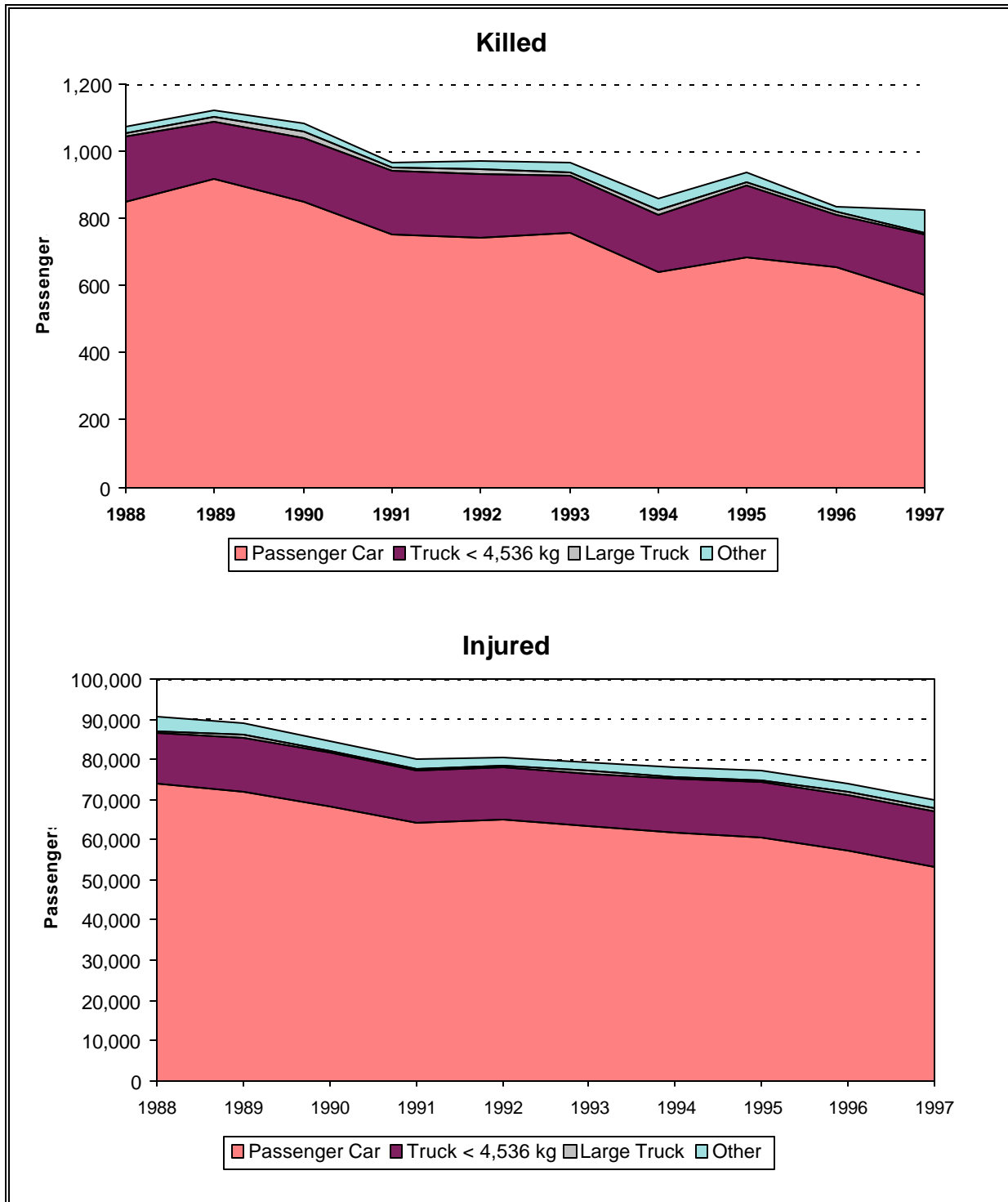
Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.26
Passengers Killed and Injured in Collisions, by Vehicle Type

Vehicle Type	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Killed										
Passenger Car	848	919	852	751	742	759	639	687	653	572
Truck < 4,536 kg	196	169	188	191	193	170	174	212	157	182
Truck > 4,536 kg	4	5	8	5	5	6	11	3	6	3
Tractor Trailer	5	10	13	7	7	2	2	6	3	3
Bus (Unspec.)	1	2	4	0	2	19	3	5	0	43
Intercity Bus	1	0	3	0	0	0	3	0	0	1
School Bus	0	2	1	2	0	0	3	0	0	0
Transit Bus	0	0	0	0	2	0	0	0	0	0
Other/Unknown	20	15	14	13	21	12	24	24	17	24
Total	1,075	1,122	1,083	969	972	968	859	937	836	828
Injured										
Passenger Car	73,977	72,008	68,225	64,159	64,933	63,569	61,881	60,474	57,499	53,124
Truck < 4,536 kg	12,535	13,663	13,349	13,024	12,987	13,091	13,247	13,902	13,724	14,060
Truck > 4,536 kg	479	525	459	456	375	384	373	372	362	343
Tractor Trailer	191	195	194	185	157	156	186	178	188	203
Bus (Unspec.)	402	546	409	201	224	339	274	274	328	312
Intercity Bus	106	144	182	223	113	109	219	144	143	128
School Bus	299	324	442	414	294	282	425	313	287	264
Transit Bus	483	424	457	317	358	399	416	391	398	384
Other/Unknown	2,105	1,089	1,065	993	1,016	995	996	1,069	910	994
Total	90,577	88,918	84,782	79,972	80,457	79,324	78,017	77,117	73,839	69,812

Figure 3.5

Passengers Killed and Injured in Collisions, by Vehicle Type, 1988-1997



Large Truck: Heavy unit trucks (GVWR of 4,536 kg or more) and tractor trailers.

Table 3.27

Passenger Car Occupants Killed in Collisions, by Seating Position and Safety Restraint Use

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1988	Yes	697	10	294	28	5	48	0	27	7	1,116
	No	584	12	165	48	21	51	0	31	12	924
	Unknown	215	1	63	5	9	17	0	13	15	338
	Total	1,496	23	522	81	35	116	0	71	34	2,378
1989	Yes	745	4	308	42	11	46	1	34	3	1,194
	No	577	8	163	46	25	56	10	58	11	954
	Unknown	172	5	53	14	7	13	0	15	4	283
	Total	1,494	17	524	102	43	115	11	107	18	2,431
1990	Yes	757	12	293	37	16	46	0	43	4	1,208
	No	487	12	146	42	32	48	2	36	8	813
	Unknown	130	3	49	11	3	16	0	5	6	223
	Total	1,374	27	488	90	51	110	2	84	18	2,244
1991	Yes	772	16	301	43	15	48	2	0	3	1,200
	No	446	12	140	34	14	49	3	0	8	706
	Unknown	113	2	39	8	7	16	2	0	3	190
	Total	1,331	30	480	85	36	113	7	0	14	2,096
1992	Yes	763	17	298	49	13	59	0	0	3	1,202
	No	415	14	141	33	17	47	2	0	7	676
	Unknown	107	7	26	7	4	7	1	0	3	162
	Total	1,285	38	465	89	34	113	3	0	13	2,040

Table 3.27 Passenger Car Occupants Killed in Collisions, by Seating Position and Safety Restraint Use (cont.)

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1993	Yes	773	14	315	42	12	58	2	0	1	1,217
	No	412	12	100	37	32	49	7	0	5	654
	Unknown	119	6	49	10	6	8	0	0	2	200
	Total	1,304	32	464	89	50	115	9	0	8	2,071
1994	Yes	719	10	291	35	14	51	0	0	4	1,124
	No	349	5	73	38	25	35	8	0	9	542
	Unknown	117	5	23	8	5	13	0	0	7	178
	Total	1,185	20	387	81	44	99	8	0	20	1,844
1995	Yes	762	7	277	45	8	62	3	0	8	1,172
	No	325	11	112	35	18	45	5	0	6	557
	Unknown	112	5	34	6	4	9	1	0	9	180
	Total	1,199	23	423	86	30	116	9	0	23	1,909
1996	Yes	664	15	257	44	7	53	1	0	3	1,044
	No	292	7	106	39	15	38	3	0	5	505
	Unknown	123	6	39	7	3	11	2	0	2	193
	Total	1,079	28	402	90	25	102	6	0	10	1,742
1997	Yes	658	9	227	37	8	48	1	0	5	993
	No	259	7	85	31	11	27	2	0	3	425
	Unknown	139	8	47	9	4	11	0	0	9	227
	Total	1,056	24	359	77	23	86	3	0	17	1,645

Table 3.28

Passenger Car Occupants Injured in Collisions, by Seating Position and Safety Restraint Use

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1988	Yes	101,637	2,517	37,723	4,931	1,664	6,892	81	2,889	125	158,459
	No	10,692	621	5,384	1,934	1,128	2,757	140	733	131	23,520
	Unknown	7,146	333	2,058	609	289	787	24	483	247	11,976
	Total	119,475	3,471	45,165	7,474	3,081	10,436	245	4,105	503	193,955
1989	Yes	97,622	2,362	36,774	4,838	1,695	6,736	66	1,775	180	152,048
	No	11,897	522	4,897	1,936	1,160	2,804	121	2,048	123	25,508
	Unknown	7,411	259	1,962	487	238	636	19	673	304	11,989
	Total	116,930	3,143	43,633	7,261	3,093	10,176	206	4,496	607	189,545
1990	Yes	97,807	2,296	35,622	5,390	1,787	7,444	90	2,791	169	153,396
	No	8,244	399	3,817	1,253	747	1,660	105	763	110	17,098
	Unknown	7,359	279	1,915	480	252	568	27	540	271	11,691
	Total	113,410	2,974	41,354	7,123	2,786	9,672	222	4,094	550	182,185
1991	Yes	93,717	2,833	35,147	5,569	1,935	7,566	229	0	186	147,182
	No	6,852	422	3,583	1,054	661	1,512	153	0	88	14,325
	Unknown	6,376	339	1,807	457	238	615	39	0	237	10,108
	Total	106,945	3,594	40,537	7,080	2,834	9,693	421	0	511	171,615
1992	Yes	96,638	2,806	36,130	5,665	1,905	7,923	251	0	190	151,508
	No	6,370	399	3,405	1,005	647	1,354	149	0	107	13,436
	Unknown	6,119	293	1,725	442	235	548	51	0	268	9,681
	Total	109,127	3,498	41,260	7,112	2,787	9,825	451	0	565	174,625

Table 3.28 Passenger Car Occupants Injured in Collisions, by Seating Position and Safety Restraint Use (cont.)

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1993	Yes	97,251	2,655	35,997	5,741	1,960	7,842	251	0	172	151,869
	No	5,614	330	2,826	966	561	1,238	175	0	92	11,802
	Unknown	5,926	282	1,561	450	200	513	21	0	253	9,206
	Total	108,791	3,267	40,384	7,157	2,721	9,593	447	0	517	172,877
1994	Yes	96,334	2,761	35,077	5,574	1,879	7,713	314	0	156	149,808
	No	4,981	287	2,446	852	522	1,162	143	0	96	10,489
	Unknown	5,952	280	1,633	470	207	527	34	0	232	9,335
	Total	107,267	3,328	39,156	6,896	2,608	9,402	491	0	484	169,632
1995	Yes	94,814	2,594	34,402	5,516	1,907	7,628	273	0	161	147,295
	No	4,583	273	2,279	794	491	1,037	125	0	76	9,658
	Unknown	6,058	249	1,701	427	211	536	31	0	242	9,455
	Total	105,455	3,116	38,382	6,737	2,609	9,201	429	0	479	166,408
1996	Yes	89,763	2,323	32,577	5,347	1,885	7,361	304	0	181	139,741
	No	4,142	251	1,984	720	400	979	120	0	67	8,663
	Unknown	6,674	290	1,754	425	219	527	33	0	285	10,207
	Total	100,579	2,864	36,315	6,492	2,504	8,867	457	0	533	158,611
1997	Yes	84,252	2,040	30,316	4,831	1,728	6,620	287	0	172	130,246
	No	3,831	220	1,844	594	380	852	127	4	81	7,933
	Unknown	7,158	282	1,797	458	186	513	45	0	259	10,698
	Total	95,241	2,542	33,957	5,883	2,294	7,985	459	4	512	148,877

Figure 3.6
Passenger Car Occupants Killed and Injured in Collisions, by Seating Position, 1988-1997

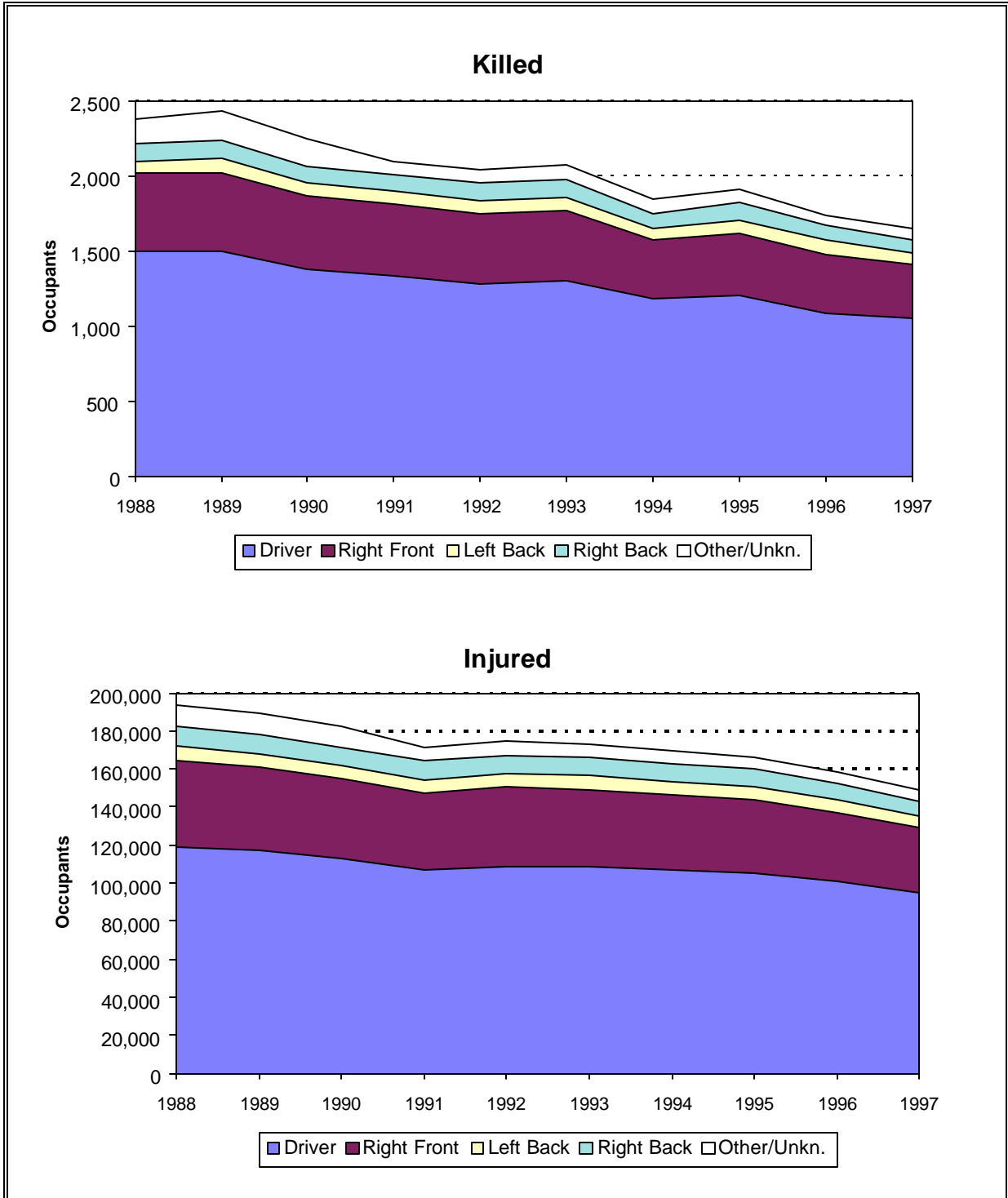


Table 3.29

Light Truck Occupants Killed in Collisions, by Seating Position and Safety Restraint Use

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1988	Yes	141	15	44	0	0	6	0	6	4	216
	No	191	6	46	0	4	5	6	33	6	297
	Unknown	45	2	9	0	0	1	2	11	3	73
	Total	377	23	99	0	4	12	8	50	13	586
1989	Yes	148	7	41	2	0	3	0	8	5	214
	No	238	11	38	7	5	1	4	24	6	334
	Unknown	51	1	10	0	2	0	0	5	2	71
	Total	437	19	89	9	7	4	4	37	13	619
1990	Yes	152	6	46	7	1	4	2	11	1	230
	No	200	7	33	7	4	7	7	22	4	291
	Unknown	38	1	8	1	0	0	5	9	3	65
	Total	390	14	87	15	5	11	14	42	8	586
1991	Yes	145	8	46	4	1	2	6	0	1	213
	No	182	14	65	7	3	4	8	0	3	286
	Unknown	32	4	9	2	1	2	5	0	3	58
	Total	359	26	120	13	5	8	19	0	7	557
1992	Yes	146	11	51	6	3	10	3	0	4	234
	No	173	11	48	2	5	9	9	0	7	264
	Unknown	44	4	13	4	1	2	1	0	5	74
	Total	363	26	112	12	9	21	13	0	16	572

Table 3.29 Light Truck Occupants Killed in Collisions, by Seating Position and Safety Restraint Use (cont.)

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1993	Yes	158	10	46	8	3	5	2	0	0	232
	No	177	12	36	10	4	7	7	0	7	260
	Unknown	51	7	10	1	0	1	1	0	3	74
	Total	386	29	92	19	7	13	10	0	10	566
1994	Yes	151	10	44	13	2	6	2	0	3	231
	No	171	12	41	8	2	3	11	0	9	257
	Unknown	36	4	11	3	0	0	2	0	2	58
	Total	358	26	96	24	4	9	15	0	14	546
1995	Yes	168	15	59	9	4	6	3	0	5	269
	No	160	12	50	7	8	8	9	0	3	257
	Unknown	47	2	10	4	0	4	2	0	2	71
	Total	375	29	119	20	12	18	14	0	10	597
1996	Yes	175	5	51	5	2	5	1	0	1	245
	No	158	15	31	10	4	3	9	0	7	237
	Unknown	42	2	9	1	3	1	0	0	0	58
	Total	375	22	91	16	9	9	10	0	8	540
1997	Yes	165	5	42	9	8	10	6	0	0	245
	No	172	7	32	9	4	6	11	0	7	248
	Unknown	73	8	15	3	0	5	2	0	17	123
	Total	410	20	89	21	12	21	19	0	24	616

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.30

Light Truck Occupants Injured in Collisions, by Seating Position and Safety Restraint Use

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1988	Yes	15,597	954	5,094	395	187	402	169	922	30	23,750
	No	2,761	489	1,281	231	176	184	458	604	113	6,297
	Unknown	1,541	157	394	53	38	41	31	275	46	2,576
	Total	19,899	1,600	6,769	679	401	627	658	1,801	189	32,623
1989	Yes	16,622	981	5,823	452	272	467	117	525	50	25,309
	No	3,619	465	1,363	285	215	261	323	985	146	7,662
	Unknown	1,948	158	434	88	60	72	33	284	83	3,160
	Total	22,189	1,604	7,620	825	547	800	473	1,794	279	36,131
1990	Yes	17,536	1,044	5,778	514	285	559	176	822	40	26,754
	No	2,605	415	1,142	226	196	197	429	537	88	5,835
	Unknown	1,846	135	413	59	34	58	39	291	77	2,952
	Total	21,987	1,594	7,333	799	515	814	644	1,650	205	35,541
1991	Yes	17,022	1,252	6,323	655	318	684	283	0	36	26,573
	No	2,295	468	1,207	229	171	176	445	0	97	5,088
	Unknown	1,510	162	449	66	32	45	59	0	139	2,462
	Total	20,827	1,882	7,979	950	521	905	787	0	272	34,123
1992	Yes	17,480	1,120	6,407	722	385	782	269	0	55	27,220
	No	2,060	425	1,101	203	161	183	350	0	91	4,574
	Unknown	1,392	165	447	70	50	58	89	0	107	2,378
	Total	20,932	1,710	7,955	995	596	1,023	708	0	253	34,172

Table 3.30 Light Truck Occupants Injured in Collisions, by Seating Position and Safety Restraint Use (cont.)

Year	Safety Restraint Used	Seating Position									Total
		Driver	Centre Front	Right Front	Left Back	Centre Back	Right Back	Back of Vehicle	Passenger (unknown position)	Other/Unknown	
1993	Yes	18,123	1,087	6,485	800	388	852	231	0	44	28,010
	No	1,935	393	1,028	215	150	145	460	0	90	4,416
	Unknown	1,455	172	438	92	42	61	52	0	97	2,409
	Total	21,513	1,652	7,951	1,107	580	1,058	743	0	231	34,835
1994	Yes	18,612	1,108	6,661	847	420	891	316	0	45	28,900
	No	1,752	372	935	186	145	184	358	0	81	4,013
	Unknown	1,550	137	450	69	50	61	57	0	89	2,463
	Total	21,914	1,617	8,046	1,102	615	1,136	731	0	215	35,376
1995	Yes	18,967	1,067	6,961	986	522	1,043	310	0	36	29,892
	No	1,704	327	917	181	152	161	363	0	83	3,888
	Unknown	1,683	161	470	96	48	73	64	0	105	2,700
	Total	22,354	1,555	8,348	1,263	722	1,277	737	0	224	36,480
1996	Yes	19,188	1,007	6,864	961	549	1,071	345	0	68	30,053
	No	1,494	295	841	166	147	173	295	0	92	3,503
	Unknown	1,670	170	519	104	55	78	84	0	126	2,806
	Total	22,352	1,472	8,224	1,231	751	1,322	724	0	286	36,362
1997	Yes	19,256	987	7,034	1,020	545	1,115	368	0	53	30,378
	No	1,459	279	774	166	158	184	380	0	79	3,479
	Unknown	1,974	171	529	90	65	78	117	0	151	3,175
	Total	22,689	1,437	8,337	1,276	768	1,377	865	0	283	37,032

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Table 3.31**Vehicle Occupants Killed and Injured in Collisions, by Ejection Status**

Year	Vehicle Type	Killed				Injured			
		Fully Ejected	Partially Ejected	Not Ejected	Other/ Unknown	Fully Ejected	Partially Ejected	Not Ejected	Other/ Unknown
1988	Passenger Car	125	32	397	223	926	893	51,414	16,639
	Light Truck	55	13	63	15	547	178	8,974	1,035
	Large Truck	4	1	2	2	21	23	398	143
	Bus	1	0	0	0	26	26	915	273
1989	Passenger Car	123	39	411	239	814	836	50,104	15,758
	Light Truck	45	8	51	28	479	203	9,220	1,967
	Large Truck	4	1	3	4	18	8	425	187
	Bus	0	0	0	2	19	21	984	347
1990	Passenger Car	108	37	419	204	825	702	48,666	13,938
	Light Truck	63	6	54	23	532	182	9,058	1,927
	Large Truck	4	1	10	5	35	6	399	145
	Bus	0	0	4	4	13	10	1,129	272
1991	Passenger Car	96	28	353	274	797	572	45,160	17,630
	Light Truck	45	15	69	62	460	198	8,631	3,735
	Large Truck	3	2	3	4	19	9	355	258
	Bus	0	0	0	2	18	13	927	197
1992	Passenger Car	104	36	346	256	733	525	46,376	17,299
	Light Truck	45	14	52	82	414	160	8,762	3,651
	Large Truck	4	0	4	4	18	9	297	208
	Bus	1	1	2	0	10	19	746	214

Table 3.31 Vehicle Occupants Killed and Injured, by Ejection Status (cont.)

Year	Vehicle Type	Killed				Injured			
		Fully Ejected	Partially Ejected	Not Ejected	Unknown	Fully Ejected	Partially Ejected	Not Ejected	Unknown
1993	Passenger Car	83	32	394	250	579	532	45,709	16,749
	Light Truck	38	10	59	63	410	147	8,917	3,617
	Large Truck	2	0	1	5	5	5	315	215
	Bus	0	0	1	18	9	50	751	319
1994	Passenger Car	74	19	336	210	555	425	44,161	16,740
	Light Truck	39	6	71	58	358	131	8,934	3,824
	Large Truck	2	0	8	3	13	4	348	194
	Bus	0	0	9	0	20	21	1,023	270
1995	Passenger Car	64	29	333	261	501	393	42,989	16,591
	Light Truck	40	9	94	69	360	121	9,298	4,123
	Large Truck	2	0	3	4	10	9	326	205
	Bus	0	0	4	1	15	30	879	198
1996	Passenger Car	73	32	312	236	445	375	40,135	16,544
	Light Truck	42	7	60	48	288	118	8,834	4,484
	Large Truck	1	0	2	6	9	10	310	221
	Bus	0	0	0	0	4	17	914	221
1997	Passenger Car	72	19	284	197	442	328	36,057	16,293
	Light Truck	41	9	60	72	312	107	8,919	4,722
	Large Truck	0	0	4	2	10	4	302	230
	Bus	0	0	0	44	6	16	757	309

Note: Occupants in Alberta collisions from 1988 to 1997 are included in the Other/Unknown ejection status category.

Light Truck: Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs). Large Truck: Heavy unit trucks (GVWR) of 4,536 kg or more) and tractor trailers.

Table 3.32

Pedestrians Killed and Injured in Collisions, by Sex and Age Group

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	0-4 yrs	11	21	0	32	264	444	1	709
	5-14 yrs	25	43	1	69	1,623	2,341	5	3,969
	15-19 yrs	15	30	0	45	934	968	1	1,903
	20-24 yrs	8	33	0	41	655	900	3	1,558
	25-34 yrs	17	39	0	56	1,038	1,344	1	2,383
	35-44 yrs	16	43	0	59	709	897	5	1,611
	45-54 yrs	9	33	0	42	581	582	0	1,163
	55-64 yrs	26	30	0	56	643	595	5	1,243
	65+ yrs	85	97	0	182	1,041	831	7	1,879
	Unknown	2	2	0	4	229	307	52	588
	Total	214	371	1	586	7,717	9,209	80	17,006
1989	0-4 yrs	8	14	0	22	230	402	2	634
	5-14 yrs	24	38	0	62	1,487	2,149	4	3,640
	15-19 yrs	11	17	0	28	873	931	2	1,806
	20-24 yrs	12	27	0	39	647	791	6	1,444
	25-34 yrs	17	37	0	54	1,022	1,323	5	2,350
	35-44 yrs	16	40	0	56	712	859	2	1,573
	45-54 yrs	7	35	0	42	592	574	1	1,167
	55-64 yrs	21	34	1	56	573	532	1	1,106
	65+ yrs	65	72	0	137	994	766	4	1,764
	Unknown	4	2	1	7	224	274	59	557
	Total	185	316	2	503	7,354	8,601	86	16,041
1990	0-4 yrs	7	19	0	26	243	404	0	647
	5-14 yrs	24	38	0	62	1,431	2,143	5	3,579
	15-19 yrs	14	32	0	46	881	886	0	1,767
	20-24 yrs	8	22	0	30	652	811	1	1,464
	25-34 yrs	29	69	0	98	1,015	1,441	1	2,457
	35-44 yrs	16	20	0	36	761	945	2	1,708
	45-54 yrs	12	34	0	46	575	602	0	1,177
	55-64 yrs	14	35	0	49	548	552	1	1,101
	65+ yrs	76	105	0	181	985	740	2	1,727
	Unknown	5	5	0	10	326	323	75	724
	Total	205	379	0	584	7,417	8,847	87	16,351

Table 3.32 Pedestrians Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1991	0-4 yrs	5	13	0	18	210	361	0	571
	5-14 yrs	26	32	0	58	1,441	1,968	2	3,411
	15-19 yrs	8	25	0	33	857	858	1	1,716
	20-24 yrs	12	24	0	36	609	773	1	1,383
	25-34 yrs	21	43	0	64	996	1,300	1	2,297
	35-44 yrs	16	37	0	53	726	908	2	1,636
	45-54 yrs	15	29	0	44	533	562	4	1,099
	55-64 yrs	26	35	0	61	479	501	0	980
	65+ yrs	87	71	0	158	848	718	1	1,567
	Unknown	1	7	0	8	250	313	99	662
	Total	217	316	0	533	6,949	8,262	111	15,322
1992	0-4 yrs	8	8	0	16	179	305	0	484
	5-14 yrs	16	23	0	39	1,405	1,917	3	3,325
	15-19 yrs	6	21	0	27	863	879	2	1,744
	20-24 yrs	6	17	0	23	589	812	0	1,401
	25-34 yrs	12	31	0	43	924	1,282	0	2,206
	35-44 yrs	21	30	0	51	744	839	0	1,583
	45-54 yrs	12	33	0	45	542	524	1	1,067
	55-64 yrs	23	30	0	53	500	462	2	964
	65+ yrs	69	71	0	140	939	721	1	1,661
	Unknown	1	2	0	3	230	270	63	563
	Total	174	266	0	440	6,915	8,011	72	14,998
1993	0-4 yrs	8	9	0	17	188	299	0	487
	5-14 yrs	23	30	0	53	1,287	1,806	3	3,096
	15-19 yrs	15	22	0	37	901	910	2	1,813
	20-24 yrs	10	19	0	29	582	732	1	1,315
	25-34 yrs	16	40	0	56	851	1,237	3	2,091
	35-44 yrs	19	35	0	54	765	882	1	1,648
	45-54 yrs	12	34	0	46	533	579	0	1,112
	55-64 yrs	22	33	0	55	455	493	1	949
	65+ yrs	64	64	0	128	921	689	0	1,610
	Unknown	2	2	0	4	239	316	57	612
	Total	191	288	0	479	6,722	7,943	68	14,733

Table 3.32 Pedestrians Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1994	0-4 yrs	13	13	0	26	194	339	0	533
	5-14 yrs	12	20	0	32	1,316	1,815	1	3,132
	15-19 yrs	14	17	0	31	795	898	2	1,695
	20-24 yrs	10	31	0	41	613	723	2	1,338
	25-34 yrs	20	30	0	50	957	1,251	0	2,208
	35-44 yrs	12	29	0	41	735	916	1	1,652
	45-54 yrs	12	25	0	37	573	634	1	1,208
	55-64 yrs	12	30	0	42	468	497	0	965
	65+ yrs	62	63	0	125	971	701	2	1,674
	Unknown	1	2	1	4	268	301	66	635
Total	168	260	1	429	6,890	8,075	75	15,040	
1995	0-4 yrs	6	4	0	10	177	277	1	455
	5-14 yrs	14	20	0	34	1,307	1,697	2	3,006
	15-19 yrs	11	27	0	38	826	891	0	1,717
	20-24 yrs	6	22	0	28	585	669	1	1,255
	25-34 yrs	19	30	0	49	944	1,135	0	2,079
	35-44 yrs	18	23	0	41	814	950	2	1,766
	45-54 yrs	11	24	0	35	640	679	1	1,320
	55-64 yrs	13	28	0	41	502	488	0	990
	65+ yrs	79	56	0	135	904	692	0	1,596
	Unknown	2	3	0	5	274	357	73	704
Total	179	237	0	416	6,973	7,835	80	14,888	
1996	0-4 yrs	5	7	0	12	157	274	1	432
	5-14 yrs	17	24	0	41	1,190	1,657	3	2,850
	15-19 yrs	11	19	0	30	824	847	1	1,672
	20-24 yrs	9	28	0	37	583	657	1	1,241
	25-34 yrs	9	31	0	40	881	1,163	2	2,046
	35-44 yrs	20	34	0	54	759	954	0	1,713
	45-54 yrs	22	28	0	50	655	646	0	1,301
	55-64 yrs	13	31	0	44	482	422	0	904
	65+ yrs	65	86	0	151	852	688	4	1,544
	Unknown	1	5	0	6	302	341	109	752
Total	172	293	0	465	6,685	7,649	121	14,455	
1997	0-4 yrs	0	7	0	7	197	256	2	455
	5-14 yrs	22	23	0	45	1,159	1,590	2	2,751
	15-19 yrs	18	24	0	42	775	819	0	1,594
	20-24 yrs	10	12	0	22	614	630	0	1,244
	25-34 yrs	13	36	0	49	897	1,051	2	1,950
	35-44 yrs	9	29	0	38	794	934	1	1,729
	45-54 yrs	10	24	0	34	629	653	1	1,283
	55-64 yrs	19	18	0	37	448	462	1	911
	65+ yrs	52	68	0	120	851	632	3	1,486
	Unknown	3	5	0	8	263	335	89	687
Total	156	246	0	402	6,627	7,362	101	14,090	

Table 3.33
Pedestrians Killed in Collisions, by Pedestrian Action

Pedestrian Action	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Crossing Intersection with Right-of-Way	24	21	24	34	23	31	27	25	30	29
Crossing Intersection without Right-of-Way	59	50	63	80	73	70	72	60	72	63
Crossing Intersection with No Traffic Control	168	114	140	102	85	111	81	76	97	74
Crossing Between Intersections	9	0	7	9	9	9	6	6	6	6
Walking on Roadway Against Traffic	15	18	27	17	12	7	13	14	11	11
Walking on Roadway with Traffic	40	37	43	28	38	25	26	31	37	20
Safety Zone	18	14	27	23	22	18	18	6	11	24
On Rural Highway	1	5	5	4	2	1	0	0	2	0
From Behind Parked Vehicle	20	16	21	19	13	13	19	11	12	8
From Behind Moving Vehicle	0	0	0	0	0	0	0	0	1	0
Running into Road	28	27	18	23	18	36	19	24	19	23
Getting on/off Vehicle	9	4	19	9	7	6	4	6	6	4
Pushing Vehicle	5	7	2	8	10	11	8	8	7	5
Riding on Vehicle	0	0	0	0	0	0	0	0	0	0
Playing on Roadway	4	10	8	6	2	6	7	4	2	2
Working on Roadway	2	4	5	6	2	5	3	4	5	6
Playing or Working on Roadway	5	3	2	11	5	13	12	5	12	7
Hitchhiking	2	1	4	2	1	1	0	1	0	4
Unknown	177	172	169	152	118	116	114	135	135	116
Total	586	503	584	533	440	479	429	416	465	402

Note: Pedestrians killed in collisions in Alberta from 1988 to 1990 and in N.W.T. from 1988 to 1993 are included in the Unknown category.

Table 3.34
Pedestrians Injured in Collisions, by Pedestrian Action

Pedestrian Action	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Crossing Intersection with Right-of-Way	2,700	2,755	2,610	2,756	2,739	2,857	2,971	3,104	3,098	3,071
Crossing Intersection without Right-of-Way	2,152	2,007	2,112	2,292	2,219	2,144	2,075	2,088	2,076	2,064
Crossing Intersection with No Traffic Control	3,028	2,776	2,838	2,677	2,525	2,363	2,541	2,392	2,299	2,167
Crossing Between Intersections	213	78	225	194	191	171	166	196	150	102
Walking on Roadway Against Traffic	276	257	270	260	270	251	270	250	236	245
Walking on Roadway with Traffic	540	532	564	465	537	513	527	517	520	458
Safety Zone	689	656	620	613	652	627	612	604	572	579
On Rural Highway	44	33	17	16	12	15	18	12	13	5
From Behind Parked Vehicle	1,118	1,040	1,103	968	863	879	811	769	805	737
From Behind Moving Vehicle	7	0	8	6	0	0	2	4	2	2
Running into Road	1,134	1,054	957	871	952	914	898	867	827	777
Getting on/off Vehicle	258	242	271	313	228	275	235	247	208	228
Pushing Vehicle	128	133	147	140	130	139	132	100	82	115
Riding on Vehicle	4	2	8	9	2	0	0	0	1	0
Playing on Roadway	186	206	177	179	187	164	188	157	132	143
Working on Roadway	107	135	125	118	130	118	151	130	123	122
Playing or Working on Roadway	125	135	114	149	145	144	167	150	126	132
Hitchhiking	13	18	14	8	15	17	9	9	12	8
Unknown	4,284	3,982	4,171	3,288	3,201	3,142	3,267	3,292	3,173	3,135
Total	17,006	16,041	16,351	15,322	14,998	14,733	15,040	14,888	14,455	14,090

Note: Pedestrians injured in collisions in Alberta from 1988 to 1990 and in N.W.T. from 1988 to 1993 are included in the Unknown category.

Table 3.35**Pedestrians Killed and Injured in Collisions, by Road Classification**

Year	Killed				Injured			
	Urban	Rural	Other/ Unknown	Total	Urban	Rural	Other/ Unknown	Total
1988	431	148	7	586	15,481	932	593	17,006
1989	336	164	3	503	14,742	868	431	16,041
1990	389	188	7	584	14,995	845	511	16,351
1991	320	142	71	533	12,791	875	1,656	15,322
1992	285	113	42	440	12,636	811	1,551	14,998
1993	297	119	63	479	12,420	771	1,542	14,733
1994	257	107	65	429	12,684	824	1,532	15,040
1995	269	101	46	416	12,627	781	1,480	14,888
1996	293	126	46	465	12,298	649	1,508	14,455
1997	241	110	51	402	11,825	713	1,552	14,090

Note: Pedestrians in collisions in Alberta from 1991 to 1997 and in Yukon from 1995 to 1997 are included in the Other/Unknown category.

Table 3.36

Pedestrians Killed and Injured in Collisions, by Road Configuration

Year	Road Configuration										
	Non-intersection	Intersection of Two or More Roads	Intersection Regulated by Traffic Control	Intersection with Private Drive or Lane	Railroad Level Crossing	Bridge, Overpass, Viaduct	Tunnel, Underpass	Parking Lot	Off Road	Other/Unknown	Total
Killed											
1988	226	132	24	30	2	3	0	4	0	165	586
1989	250	118	19	29	1	6	0	2	0	78	503
1990	269	150	18	31	0	11	0	7	0	98	584
1991	247	119	29	32	0	6	1	7	0	92	533
1992	216	102	21	21	1	1	0	5	0	73	440
1993	233	133	18	19	1	1	1	2	0	71	479
1994	217	110	21	28	0	2	0	2	1	48	429
1995	208	102	16	20	2	3	1	5	0	59	416
1996	231	106	25	24	0	3	0	3	0	73	465
1997	204	92	21	14	2	6	1	2	0	60	402
Injured											
1988	4,065	5,108	1,857	978	15	58	5	647	5	4,268	17,006
1989	5,209	6,116	1,554	862	6	53	1	495	2	1,743	16,041
1990	5,226	6,113	1,699	932	9	41	5	629	8	1,689	16,351
1991	4,804	5,250	1,571	790	11	35	4	459	3	2,395	15,322
1992	4,709	5,262	1,363	805	8	47	4	539	12	2,249	14,998
1993	4,835	5,396	1,230	782	17	39	5	490	4	1,935	14,733
1994	4,875	5,684	1,117	840	21	35	5	527	6	1,930	15,040
1995	4,600	5,779	1,256	832	5	37	3	537	1	1,838	14,888
1996	4,485	5,624	1,203	802	13	38	6	486	0	1,798	14,455
1997	4,223	5,373	1,210	818	4	49	4	440	1	1,968	14,090

Table 3.37
Pedestrians Killed in Collisions, by Traffic Control Device

Traffic Control Device or Measure	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
No Control Present	417	365	418	361	313	325	280	282	304	270
Traffic Signals	95	91	96	50	57	60	50	49	63	44
Stop Signs	19	15	26	20	10	12	18	15	19	15
Yield Signs	0	0	4	1	0	2	1	0	0	0
Pedestrian Crossover	13	6	7	5	5	7	7	11	5	8
Police Officer	0	0	0	0	0	0	0	0	0	0
School Guard, Flagman, Police Officer	3	3	3	1	6	4	1	0	3	1
School Crossing	0	0	0	0	0	0	0	0	0	0
Flashing Signal Light	3	1	2	1	0	5	1	1	2	2
Advisory Sign	4	5	4	2	2	1	1	2	3	0
School Bus with Lights Flashing	3	0	2	1	0	0	1	0	3	1
Railway Crossing	1	0	0	0	0	0	0	0	0	0
Other/Unknown	28	17	22	91	47	63	69	56	63	61
Total	586	503	584	533	440	479	429	416	465	402

Note: Pedestrians in Alberta collisions from 1991 to 1997 are included in the Other/Unknown category.

Table 3.38
Pedestrians Injured in Collisions, by Traffic Control Device

Traffic Control Device or Measure	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
No Control Present	9,837	8,993	9,126	8,400	8,194	7,650	7,701	7,596	6,981	6,709
Traffic Signals	4,549	4,439	4,505	3,358	3,373	3,366	3,518	3,705	3,627	3,567
Stop Signs	1,324	1,292	1,395	1,185	1,189	1,264	1,251	1,330	1,375	1,246
Yield Signs	38	40	36	35	45	36	37	47	32	31
Pedestrian Crossover	347	339	353	318	317	322	322	339	332	320
Police Officer	13	12	13	12	11	3	6	11	8	7
School Guard, Flagman, Police Officer	102	96	106	109	103	89	124	97	96	92
School Crossing	11	2	9	9	6	8	3	9	14	4
Flashing Signal Light	49	53	32	44	40	41	47	42	46	43
Advisory Sign	38	29	24	33	27	23	21	21	24	25
School Bus with Lights Flashing	31	29	24	19	15	15	25	22	12	8
Railway Crossing	4	2	4	6	5	5	6	2	7	2
Other/Unknown	666	715	724	1,794	1,673	1,911	1,979	1,667	1,901	2,036
Total	17,009	16,041	16,351	15,322	14,998	14,733	15,040	14,888	14,455	14,090

Note: Pedestrians in Alberta collisions from 1991 to 1997 are included in the Other/Unknown category.

Table 3.39

Motorcyclists Killed and Injured in Collisions, by Sex and Age Group

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	0-4 yrs	0	0	0	0	1	7	0	8
	5-14 yrs	1	1	0	2	78	303	0	381
	15-19 yrs	3	66	0	69	429	3,147	1	3,577
	20-24 yrs	3	86	0	89	393	3,229	3	3,625
	25-34 yrs	4	66	0	70	291	2,612	0	2,903
	35-44 yrs	1	25	0	26	136	965	1	1,102
	45-54 yrs	1	10	0	11	47	280	1	328
	55-64 yrs	0	3	0	3	22	113	0	135
	65+ yrs	0	3	0	3	3	61	0	64
	Unknown	0	1	1	2	31	72	16	119
Total	13	261	1	275	1,431	10,789	22	12,242	
1989	0-4 yrs	0	0	0	0	1	7	0	8
	5-14 yrs	0	5	0	5	81	292	0	373
	15-19 yrs	5	54	0	59	299	2,351	1	2,651
	20-24 yrs	3	70	0	73	260	2,409	0	2,669
	25-34 yrs	7	56	0	63	268	2,221	2	2,491
	35-44 yrs	2	22	0	24	137	887	0	1,024
	45-54 yrs	1	7	0	8	68	305	1	374
	55-64 yrs	1	4	0	5	13	104	0	117
	65+ yrs	0	1	0	1	7	54	1	62
	Unknown	1	0	0	1	32	51	9	92
Total	20	219	0	239	1,166	8,681	14	9,861	
1990	0-4 yrs	0	0	0	0	5	5	0	10
	5-14 yrs	2	7	0	9	63	259	0	322
	15-19 yrs	4	43	0	47	296	2,092	1	2,389
	20-24 yrs	3	70	0	73	222	2,103	0	2,325
	25-34 yrs	4	60	0	64	252	2,182	0	2,434
	35-44 yrs	7	43	0	50	140	977	0	1,117
	45-54 yrs	0	10	0	10	53	322	1	376
	55-64 yrs	0	3	0	3	15	83	0	98
	65+ yrs	0	3	0	3	2	41	0	43
	Unknown	0	1	0	1	35	69	12	116
Total	20	240	0	260	1,083	8,133	14	9,230	

Table 3.39 Motorcyclists Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1991	0-4 yrs	0	0	0	0	3	2	0	5
	5-14 yrs	1	11	0	12	66	300	0	366
	15-19 yrs	5	49	0	54	239	1,747	2	1,988
	20-24 yrs	2	58	0	60	234	1,932	1	2,167
	25-34 yrs	4	63	0	67	266	1,930	1	2,197
	35-44 yrs	1	24	0	25	153	999	0	1,152
	45-54 yrs	1	6	0	7	62	333	0	395
	55-64 yrs	0	6	0	6	23	117	0	140
	65+ yrs	0	0	0	0	5	53	0	58
	Unknown	0	0	0	0	40	60	10	110
Total	14	217	0	231	1,091	7,473	14	8,578	
1992	0-4 yrs	0	0	0	0	0	2	0	2
	5-14 yrs	0	6	0	6	56	238	0	294
	15-19 yrs	5	24	0	29	212	1,470	0	1,682
	20-24 yrs	2	41	0	43	195	1,702	1	1,898
	25-34 yrs	7	65	0	72	241	1,690	0	1,931
	35-44 yrs	2	26	0	28	141	942	0	1,083
	45-54 yrs	0	4	0	4	57	315	0	372
	55-64 yrs	0	3	0	3	19	104	0	123
	65+ yrs	1	0	0	1	5	47	0	52
	Unknown	0	0	0	0	33	52	5	90
Total	17	169	0	186	959	6,562	6	7,527	
1993	0-4 yrs	0	0	0	0	0	2	0	2
	5-14 yrs	2	6	0	8	59	208	0	267
	15-19 yrs	4	32	0	36	181	1,247	0	1,428
	20-24 yrs	4	57	0	61	219	1,486	1	1,706
	25-34 yrs	6	52	0	58	277	1,573	1	1,851
	35-44 yrs	4	27	0	31	156	919	0	1,075
	45-54 yrs	0	18	0	18	60	381	0	441
	55-64 yrs	0	3	0	3	16	97	0	113
	65+ yrs	0	1	0	1	3	49	0	52
	Unknown	0	0	0	0	27	45	17	89
Total	20	196	0	216	998	6,007	19	7,024	

Table 3.39 Motorcyclists Killed and Injured in Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1994	0-4 yrs	0	0	0	0	1	3	0	4
	5-14 yrs	0	3	0	3	57	219	0	276
	15-19 yrs	3	29	0	32	194	1,115	0	1,309
	20-24 yrs	1	28	0	29	194	1,317	0	1,511
	25-34 yrs	5	42	0	47	220	1,457	0	1,677
	35-44 yrs	3	28	0	31	190	978	0	1,168
	45-54 yrs	1	12	0	13	65	432	0	497
	55-64 yrs	0	6	0	6	19	114	0	133
	65+ yrs	0	1	0	1	10	56	0	66
	Unknown	1	0	0	1	35	58	14	107
Total	14	149	0	163	985	5,749	14	6,748	
1995	0-4 yrs	0	0	0	0	3	2	0	5
	5-14 yrs	1	2	0	3	47	181	1	229
	15-19 yrs	2	25	0	27	199	928	0	1,127
	20-24 yrs	2	41	0	43	200	1,150	1	1,351
	25-34 yrs	3	44	0	47	228	1,364	0	1,592
	35-44 yrs	3	21	0	24	177	837	0	1,014
	45-54 yrs	3	15	0	18	101	441	0	542
	55-64 yrs	0	3	0	3	21	124	0	145
	65+ yrs	0	1	0	1	8	60	0	68
	Unknown	0	0	0	0	24	52	10	86
Total	14	152	0	166	1,008	5,139	12	6,159	
1996	0-4 yrs	0	0	0	0	1	1	0	2
	5-14 yrs	1	1	0	2	34	154	0	188
	15-19 yrs	3	21	0	24	144	751	0	895
	20-24 yrs	0	27	0	27	149	906	1	1,056
	25-34 yrs	3	27	0	30	193	1,123	1	1,317
	35-44 yrs	2	17	0	19	193	767	0	960
	45-54 yrs	5	14	0	19	84	442	0	526
	55-64 yrs	0	4	0	4	20	115	0	135
	65+ yrs	0	2	0	2	7	64	0	71
	Unknown	0	1	0	1	16	31	5	52
Total	14	114	0	128	841	4,354	7	5,202	
1997	0-4 yrs	0	0	0	0	0	2	0	2
	5-14 yrs	1	1	0	2	33	127	0	160
	15-19 yrs	1	15	0	16	116	683	0	799
	20-24 yrs	1	24	0	25	131	893	0	1,024
	25-34 yrs	1	32	0	33	196	1,102	0	1,298
	35-44 yrs	4	26	0	30	181	718	0	899
	45-54 yrs	1	7	0	8	110	503	0	613
	55-64 yrs	0	4	0	4	24	112	0	136
	65+ yrs	0	5	0	5	7	50	0	57
	Unknown	0	0	0	0	28	39	7	74
Total	9	114	0	123	826	4,229	7	5,062	

Table 3.40

Cyclists Killed and Injured in Motor Vehicle Collisions, by Sex and Age Group

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1988	0-4 yrs	3	2	0	5	29	99	0	128
	5-14 yrs	14	35	0	49	1,100	3,133	2	4,235
	15-19 yrs	3	18	0	21	689	1,960	2	2,651
	20-24 yrs	4	13	0	17	480	1,157	2	1,639
	25-34 yrs	2	4	0	6	442	1,136	0	1,578
	35-44 yrs	3	7	0	10	123	405	0	528
	45-54 yrs	0	0	0	0	54	182	0	236
	55-64 yrs	1	5	0	6	47	102	0	149
	65+ yrs	0	10	0	10	21	104	0	125
	Unknown	0	0	1	1	52	182	166	400
	Total	30	94	1	125	3,037	8,460	172	11,669
1989	0-4 yrs	1	1	0	2	30	84	0	114
	5-14 yrs	10	27	0	37	1,188	3,117	0	4,305
	15-19 yrs	4	12	0	16	632	1,790	1	2,423
	20-24 yrs	2	5	0	7	391	1,056	0	1,447
	25-34 yrs	0	15	0	15	415	1,138	0	1,553
	35-44 yrs	2	8	0	10	158	407	0	565
	45-54 yrs	0	2	0	2	54	179	0	233
	55-64 yrs	0	2	0	2	41	141	0	182
	65+ yrs	2	3	0	5	16	94	0	110
	Unknown	0	0	0	0	33	118	190	341
	Total	21	75	0	96	2,958	8,124	191	11,273
1990	0-4 yrs	0	0	0	0	18	73	0	91
	5-14 yrs	8	35	0	43	1,009	2,822	1	3,832
	15-19 yrs	2	13	0	15	531	1,594	1	2,126
	20-24 yrs	3	7	0	10	396	966	0	1,362
	25-34 yrs	0	14	0	14	452	1,224	0	1,676
	35-44 yrs	2	6	0	8	141	513	1	655
	45-54 yrs	0	2	0	2	79	212	0	291
	55-64 yrs	2	5	0	7	28	132	0	160
	65+ yrs	1	6	0	7	19	103	0	122
	Unknown	0	0	0	0	47	165	199	411
	Total	18	88	0	106	2,720	7,804	202	10,726

Table 3.40 Cyclists Killed and Injured in Motor Vehicle Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1991	0-4 yrs	1	2	0	3	24	67	0	91
	5-14 yrs	10	30	0	40	1,106	2,878	2	3,986
	15-19 yrs	5	9	0	14	524	1,557	3	2,084
	20-24 yrs	2	7	0	9	450	1,057	1	1,508
	25-34 yrs	2	10	0	12	455	1,364	0	1,819
	35-44 yrs	6	6	0	12	183	600	0	783
	45-54 yrs	1	4	0	5	75	241	0	316
	55-64 yrs	0	1	0	1	51	135	0	186
	65+ yrs	1	4	0	5	26	157	0	183
	Unknown	0	0	1	1	58	178	225	461
	Total	28	73	1	102	2,952	8,234	231	11,417
1992	0-4 yrs	0	1	0	1	22	73	0	95
	5-14 yrs	4	25	0	29	1,001	2,727	3	3,731
	15-19 yrs	0	8	0	8	502	1,408	0	1,910
	20-24 yrs	1	6	0	7	433	1,052	1	1,486
	25-34 yrs	2	7	0	9	480	1,312	0	1,792
	35-44 yrs	0	5	0	5	176	546	0	722
	45-54 yrs	1	4	0	5	59	245	0	304
	55-64 yrs	0	5	0	5	33	144	0	177
	65+ yrs	0	4	0	4	21	138	0	159
	Unknown	0	0	2	2	35	167	233	435
	Total	8	65	2	75	2,762	7,812	237	10,811
1993	0-4 yrs	1	2	0	3	24	65	0	89
	5-14 yrs	3	20	0	23	924	2,500	1	3,425
	15-19 yrs	3	8	0	11	469	1,296	0	1,765
	20-24 yrs	2	7	0	9	364	948	1	1,313
	25-34 yrs	3	11	0	14	416	1,279	1	1,696
	35-44 yrs	1	5	0	6	164	647	0	811
	45-54 yrs	1	2	0	3	76	307	0	383
	55-64 yrs	0	5	0	5	31	171	0	202
	65+ yrs	0	7	0	7	27	127	0	154
	Unknown	0	0	0	0	75	157	275	507
	Total	14	67	0	81	2,570	7,497	278	10,345

Table 3.40 Cyclists Killed and Injured in Motor Vehicle Collisions, by Sex and Age Group (cont.)

Year	Age Group	Killed				Injured			
		Female	Male	Unknown	Total	Female	Male	Unknown	Total
1994	0-4 yrs	0	0	0	0	18	54	0	72
	5-14 yrs	6	24	0	30	977	2,614	0	3,591
	15-19 yrs	1	12	0	13	411	1,328	1	1,740
	20-24 yrs	1	2	0	3	316	860	0	1,176
	25-34 yrs	2	6	0	8	424	1,292	1	1,717
	35-44 yrs	3	5	0	8	213	701	0	914
	45-54 yrs	0	6	0	6	92	297	0	389
	55-64 yrs	1	5	0	6	41	160	0	201
	65+ yrs	0	7	0	7	35	141	0	176
	Unknown	0	3	2	5	62	184	222	468
Total	14	70	2	86	2,589	7,631	224	10,444	
1995	0-4 yrs	0	0	0	0	24	46	0	70
	5-14 yrs	7	20	0	27	865	2,268	1	3,134
	15-19 yrs	2	4	0	6	414	1,215	0	1,629
	20-24 yrs	0	4	0	4	338	814	1	1,153
	25-34 yrs	1	4	0	5	426	1,282	0	1,708
	35-44 yrs	1	8	0	9	215	719	0	934
	45-54 yrs	2	3	0	5	109	339	0	448
	55-64 yrs	0	2	0	2	50	175	0	225
	65+ yrs	0	4	0	4	30	160	0	190
	Unknown	0	1	1	2	68	188	221	477
Total	13	50	1	64	2,539	7,206	223	9,968	
1996	0-4 yrs	1	1	0	2	13	32	0	45
	5-14 yrs	3	11	0	14	684	1,905	2	2,591
	15-19 yrs	2	5	0	7	358	1,054	0	1,412
	20-24 yrs	1	3	0	4	282	739	0	1,021
	25-34 yrs	2	12	0	14	393	1,090	0	1,483
	35-44 yrs	0	1	0	1	211	699	1	911
	45-54 yrs	1	5	0	6	94	301	1	396
	55-64 yrs	1	3	0	4	53	174	0	227
	65+ yrs	1	7	0	8	18	164	0	182
	Unknown	0	0	0	0	42	157	254	453
Total	12	48	0	60	2,148	6,315	258	8,721	
1997	0-4 yrs	0	2	0	2	18	40	0	58
	5-14 yrs	5	17	0	22	708	1,894	0	2,602
	15-19 yrs	3	6	0	9	364	976	0	1,340
	20-24 yrs	1	4	0	5	276	603	0	879
	25-34 yrs	4	8	0	12	369	998	0	1,367
	35-44 yrs	0	5	0	5	225	742	0	967
	45-54 yrs	0	1	0	1	118	356	0	474
	55-64 yrs	0	2	0	2	60	153	0	213
	65+ yrs	0	8	0	8	14	133	0	147
	Unknown	0	1	0	1	36	166	262	464
Total	13	54	0	67	2,188	6,061	262	8,511	

Glossary

Bus

A passenger motor vehicle or chassis having a seating capacity of more than ten passengers; includes school buses, intercity buses, and transit buses.

Collision

An event that produces injury and/or property damage, involves a motor vehicle in transport, and occurs on a roadway or while the vehicle is still in motion after running off the roadway.

Collision Severity

The severity of the consequences of the collision. Three levels of severity are identified:

Fatal – A traffic incident that results in at least one death, with the death occurring within a specified period of time determined by each province or territory.

Injury – A traffic incident that results in at least one non-fatal injury. The reporting for this category depends on the definition of injury used by the province or territory in which the incident occurs.

Property Damage – A traffic incident that results in no fatalities or injuries but where the total damage to all involved vehicles is equal to or greater than a specified dollar amount determined by each province or territory.

Contributing Factor

The factors or circumstances that appear to have contributed to the occurrence of the collision. More than one contributing factor, or no contributing factors, may be reported for the collision.

Crash Configuration

The movement and position of the involved vehicles just prior to the collision.

Driver

An occupant of a vehicle who is in physical control of a motor vehicle in transport or, for an out-of-control vehicle, an occupant who was in control until control was lost.

Ejection

Refers to occupants being totally or partially thrown from the vehicle as a result of an impact or rollover.

Fatal Collision: see **Collision Severity**

Fixed Object

Stationary structures or substantial vegetation attached to the terrain.

Injury Collision: see **Collision Severity**

Large Truck

A truck with a gross vehicle weight rating (GVWR) of 10,000 pounds (4,536 kg) or more, including single-unit trucks and tractor trailers.

Light Truck

Pickups, vans, and sport-utility vehicles with a gross vehicle weight rating (GVWR) of less than 10,000 pounds (4,536 kg).

Motorcycle

A two- or three-wheeled motor vehicle designed to transport one or two people; includes mopeds.

Occupant

In this report, occupant refers to any person who is in a motor vehicle in transport, but does not include persons riding on the exterior of the vehicle.

Other Vehicle

Includes the following types of vehicles: large limousine, motorhome, snowmobile, farm equipment other than trucks, construction equipment other than trucks, other types of vehicles.

Passenger

Any occupant of a motor vehicle who is not a driver.

Passenger Car

A motor vehicle used primarily for carrying passengers, including sedans, station wagons, and convertibles. Also referred to as an automobile.

Pedestrian

Any person not in or upon a motor vehicle or other vehicle.

Pedestrian Action

The action of an involved pedestrian prior to the occurrence of the collision.

Persons Injured

Includes all those who suffer any visible injury or complain of pain.

Persons Killed

Includes all those who die as the result of involvement in a reportable traffic collision within 30 days of its occurrence. The exception to this rule is Quebec (8 days).

Road Alignment

The visual alignment of the roadway each vehicle was travelling on at the time of the collision.

Rollover

Any vehicle rotation of 90 degrees or more about any true longitudinal or lateral axis.

Rural

A measure of population density around the collision site, defined as (a) primary or secondary highways, as well as local roads; or (b) roads having a posted speed limit exceeding 60 km/h.

Safety Restraint Use

The occupant's use of available vehicle restraints including lap belt, shoulder belt, automatic belt, or child safety car seat.

0

Seating Position

The location of the occupants in the vehicle. More than one occupant can be assigned the same seating position; for example, in the case of a person sitting on someone's lap.

Speed Limit

The posted speed at the collision site.

Tractor Trailer

Truck tractor and trailer(s). The truck is designed primarily for towing other vehicles and not constructed for carrying any load other than a part of the weight of the load being towed.

Truck < 4,536 kg

Pickups, vans, and sport utilities with a gross vehicle weight rating (GVWR) of less than 4,536 kg (10,000 lbs).

Truck > 4,536 kg

A truck with a gross vehicle weight rating (GVWR) of 4,536 kg (10,000 lbs) or more (also referred to as a unit truck), which is designed primarily for the transportation of property or equipment and which does not include a trailer.

Urban

A measure of population density around the collision site, defined as (a) metropolitan roads and streets and other urban areas; or (b) roads having a posted speed limit of 60 km/h or less.

Vehicle Damage Severity

A qualitative assessment of the damage sustained by the vehicle.

Vehicle Manoeuvre

The actual movement of the vehicle just prior to the collision.

To find out more about national road safety programs and initiatives, call Transport Canada toll free at 1-800-333-0371 or (613) 998-8616 if you are calling from the Ottawa area, or e-mail comments or questions to roadsafetywebmail@tc.gc.ca. You can also visit the Transport Canada web site at www.tc.gc.ca/roadsafety/.

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