Ontario

Ontario Road Safety Annual Report

1995

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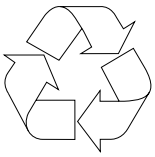
'95 Ontario Road Safety Annual Report



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If you are seeking information on how to reduce your risk of being in a collision, visit your local Ministry of Transportation office for the latest copy of the Driver's Handbook and other driver manuals and leaflets, or call the ministry at (800) 739-4949. In addition, you may wish to borrow a road safety video from the Ontario Safety League (416) 620-1720.

Many of the publications are available at automotive retail outlets and book stores.

For more information on this data in this publication, please contact the Safety Research Office at (416) 235-5258.

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ISSN # 0832-8269

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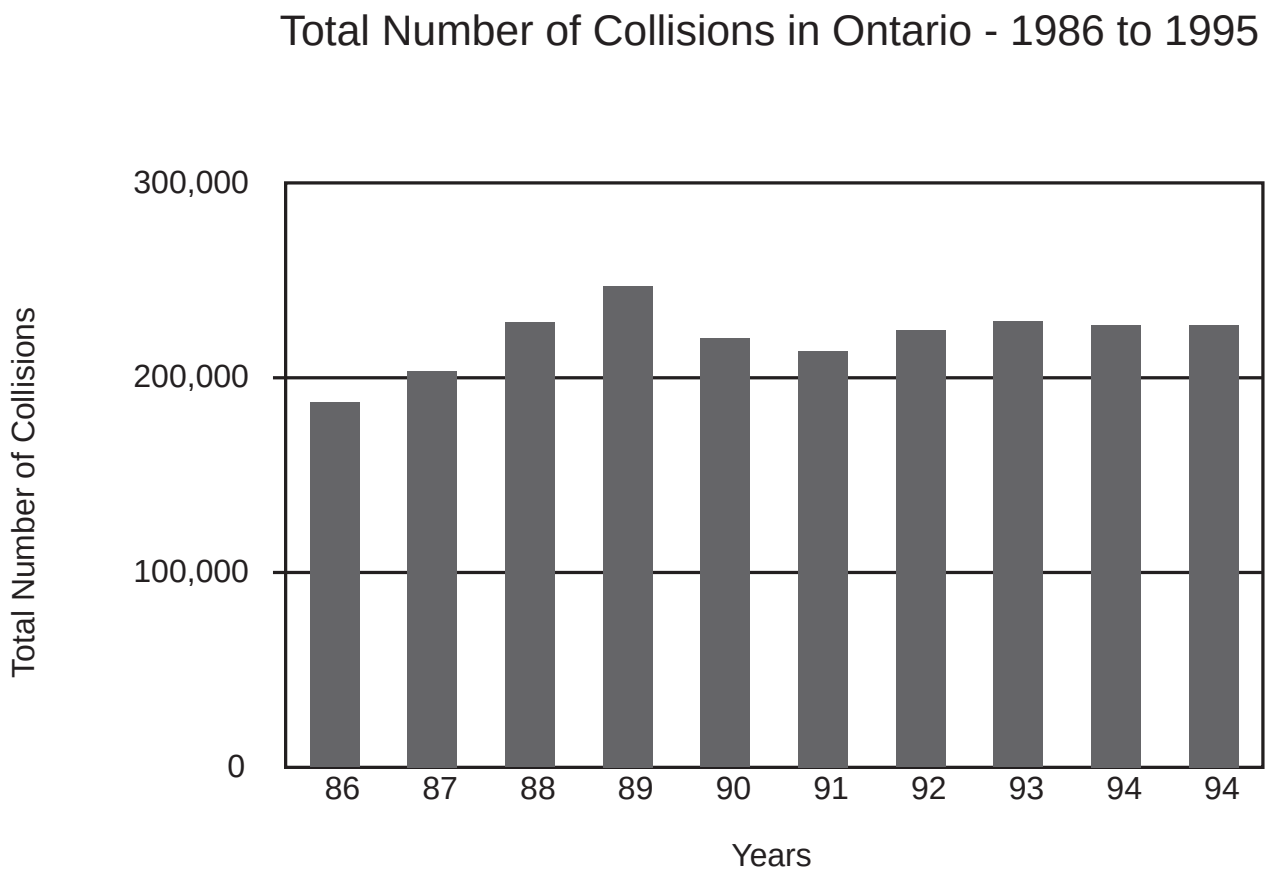
1 Overview


Total Number of Collisions in Ontario - 1986 to 1995
Total Number of Collisions
300,000
200,000
100,000
0
86
87
88
89
90
91
92
93
94
94
Years

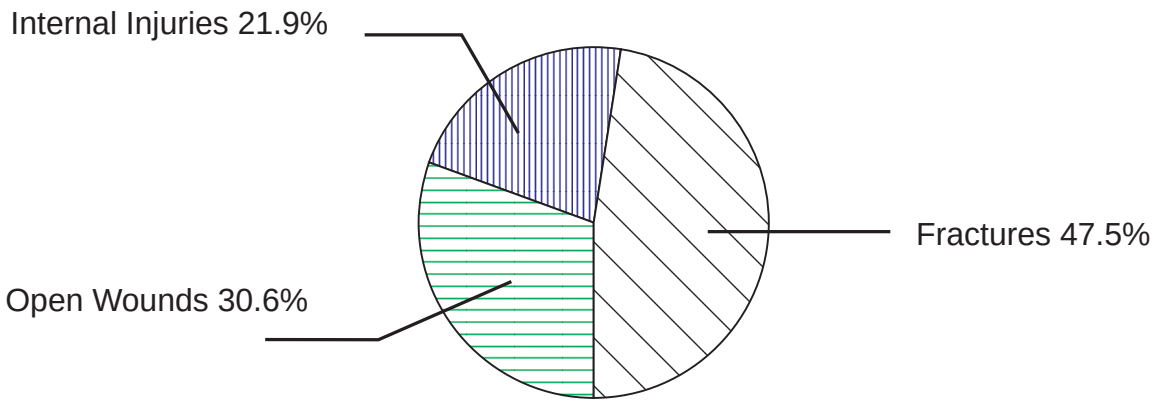
1a. Synopsis

Selected Statistics	
Total Reportable Collisions	219,085
Total Drivers Involved in Collisions	391,546
Total Vehicles Involved in Collisions	406,350
Fatal Collisions	860
Personal Injury Collisions	58,273
Property Damage Collisions	159,952
Persons Killed	999
Drivers Killed	590
Drivers Killed (Impaired or Had Been Drinking)	182
Passengers Killed	276
Pedestrians Killed	126
Other Road Users Killed	6
Persons Injured	89,572
Estimated Ontario Population (1991)	9,624,670
Licensed Drivers	7,086,018
Registered Motor Vehicles	6,437,356
Estimated Vehicle Kilometers Travelled (in millions)	78,898
Number of Persons Killed in Motor Vehicle Collisions per 100,000 People in Ontario	10.4
Number of Persons Killed in Motor Vehicle Collisions per 100 Million Kilometers Travelled	1.3
Collision Rate per 100 Million Kilometers Travelled	277.7
Fatal Collision Rate per 100 Million Kilometers Travelled	1.1

1b. Selected Characteristics of Motor Vehicle Collisions in 1995

On January 1, 1988 a new Motor Vehicle Accident Report Form was introduced. These data includes the changes which were made on the form used by the police forces in Ontario, which forms the basis for the accident statistics complied by the province of Ontario. This has resulted in changes in the ways in which the data are compiled. As a result, some of the information may not be directly comparable to data from years prior to 1988.

Per Cent of Hospital Admissions by Vehicle Collisions - 1995



Does not add to 100 per cent due to rounding.

1c. The Health Perspective

Selected Diagnoses of Motor Vehicle Collision Hopitalized Injuries in Ontario, 1994/95

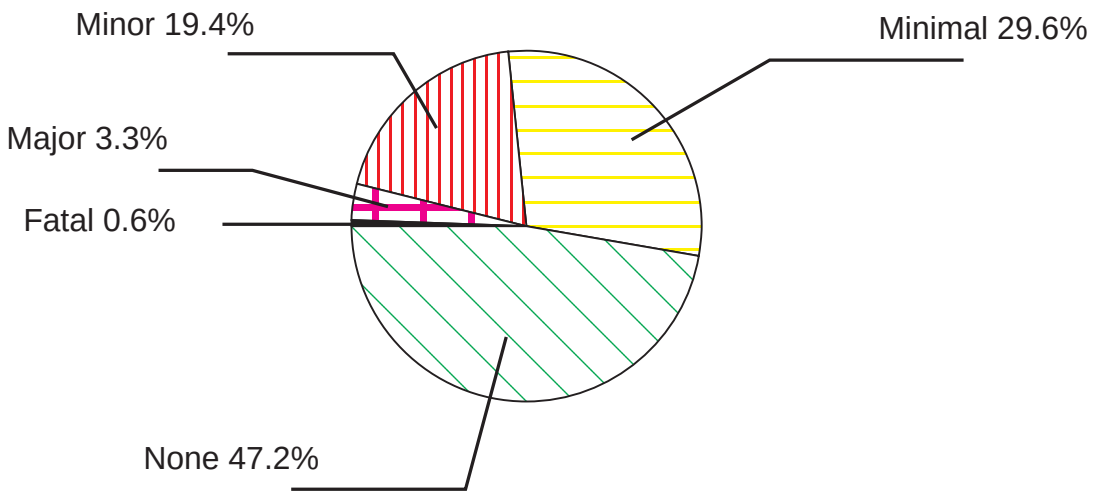
Selected Diagnoses	Hospital Admissions	Hospital Days of Stay
Fracture of skull	525	7,125
Fracture of neck and trunk	1,519	22,051
Fracture of upper limb	596	3,243
Fracture of lower limb	1,535	16,728
Dislocation, sprains and strains	313	1,423
Intracranial injury, excluding those with skull fracture	1,311	13,471
Internal injury of chest, abdomen and pelvis	616	5,159
Open wound of head, neck and trunk	247	651
Open wound of upper limb	59	377
Open wound of lower limb	73	563
Other injuries, burns and traumatic complications	2,313	65,219
Total Admissions and Days	9,107	136,010

Selected Surgical Procedures for Motor Vehicle Collision Hospitalized Injuries in Ontario, 1994/95

Selected Procedure	Hospital Admissions	Hospital Days of Stay
Operations on skull, brain and cerebral meninges	189	6,464
Operations on spinal cord and canal structures	61	1,287
Operations on nose, mouth and pharynx	44	345
Operations on chest wall, pleura, mediastinum and diaphragm	112	1,173
Operations on bone marrow and spleen	78	1,098
Operations on kidney	52	246
Operation on facial bones and joints	191	1,892
Reduction of fracture and dislocation	1,860	21,230
Repair and plastic operations on joint structures	150	2,994
Operations on skin and subcutaneous tissue	511	3,165
Other surgical procedure	629	14,461
Sub-total of surgical admission and days	3,877	54,355
No surgical procedures reported	5,230	81,655
Total Admissions and Days	9,107	136,010

2 The People

Per Cent of of Involved in Collisions by Severity of Injury



Does not add to 100 per cent due to rounding.

2a. People in Collisions

Table 2.1 Category of Involved Person by Severity of Injury in Fatal and Personal Injury Collisions 1995

Category of Involved Person	Severity of Injury None	Minimal	Minor	Major	Fatal	Total
Drivers	51,005	29,746	17,467	2,703	527	101,448
Passenger*	28,741	16,620	11,034	1,740	273	58,408
Pedestrian	116	2,052	2,550	659	126	5,503
Cyclist	35	1,575	1,257	151	19	3,037
Cyclist Passenger	12	57	38	6	-	113
All Terrain Vehicle Driver	1	8	9	6	-	24
All Terrain Vehicle Passenger	3	3	1	1	-	8
Snow Vehicle Driver	10	19	29	20	7	85
Snow Vehicle Passenger	2	10	12	7	-	31
Motorcycle Driver	95	432	634	243	37	1,441
Motorcycle Passenger	46	104	123	62	4	339
Moped Driver	9	6	9	1	1	26
Moped Passenger	3	3	1	1	-	8
Hanger On	25	21	19	16	3	84
Other	874	75	36	6	2	993
Total	80,977	50,731	33,219	5,622	999	171,548

* Includes bus passengers.

Due to a change in the method of tabulating collision statistics this table excludes individuals involved in property damage only collisions.

Fatal — Person killed immediately or within 30 days of the motor vehicle collision.

Major — Person admitted to hospital. Includes person admitted for observation.

Minor — Person went to hospital and was treated in the emergency room but was not admitted.

Minimal — Person did not go to hospital when leaving the scene of the collision. Includes minor abrasions, bruises and complaint of pain.

None — Uninjured person.

Table 2.2 Category of Person Killed by Age Groups 1995

Category of	Age Groups																Total
Person	0-4	5-9	10-15	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65-74	75+	UK	
Drivers	-	-	2	4	15	8	14	13	51	122	96	74	46	45	37	-	527
Passenger*	20	10	17	13	5	7	9	5	28	46	34	18	12	24	27	1	276
Pedestrian	3	6	5	3	2	1	3	3	4	16	12	8	10	23	27	-	126
Cyclist	-	4	4	1	-	-	-	-	-	2	5	1	-	-	1	1	19
Cyclist Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATV Driver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATV Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snow Vehicle Driver	-	-	-	-	2	-	-	-	-	2	2	-	-	-	1	-	7
Snow Vehicle Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motorcycle Driver	-	-	-	-	2	1	2	4	9	13	3	2	-	1	-	-	37
Motorcycle Passenger	-	-	-	-	-	-	1	-	-	2	1	-	-	-	-	-	4
Moped Driver	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Moped Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2
Total	23	20	28	21	26	17	29	25	94	203	154	103	68	93	93	2	999

* Includes 3 Hangers On

Table 2.3 Category of Persons Injured by Age Groups 1995

Category of	Age Groups																Total
Person	0-4	5-9	10-15	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65-74	75+	UK	
Driver	6	-	58	272	1,044	1,252	1,337	1,372	5,225	13,913	11,158	7,127	3,704	2,279	1,088	81	49,916
Passenger*	1,454	1,935	2,693	929	1,075	1,027	975	920	2,942	5,174	3,428	2,441	1,778	1,377	705	587	29,440
Pedestrian	150	476	767	127	103	102	121	88	356	773	617	492	383	351	238	117	5,261
Cyclist	16	237	759	106	76	76	70	76	264	545	308	133	65	37	19	196	2,983
Cyclist Passenger	3	13	32	5	3	1	4	1	9	15	10	3	3	3	-	-	105
ATV Driver	-	-	8	2	1	2	-	-	1	3	-	3	2	-	1	-	23
ATV Passenger	-	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-	5
Snow Vehicle Driver	-	-	11	6	7	3	6	3	7	16	6	2	-	1	-	-	68
Snow Vehicle Passenger	-	-	6	4	3	3	5	1	2	4	2	1	-	-	-	-	31
Motorcycle Driver	-	-	15	40	30	53	50	65	235	427	229	121	26	7	4	7	1,309
Motorcycle Passenger	1	7	19	15	9	15	17	11	47	63	47	26	5	4	-	6	292
Moped Driver	-	-	-	-	-	1	2	-	3	-	2	2	2	3	1	-	16
Moped Passenger	-	-	-	-	-	-	-	-	1	1	-	-	3	-	-	-	5
Other	-	8	8	1	2	3	3	3	1	21	16	15	10	8	6	13	118
Total	1,630	2,679	4,376	1,508	2,353	2,538	2,591	2,540	9,093	20,955	15,823	10,366	5,981	4,070	2,062	1,007	89,572

* Includes 56 Hangers On

Table 2.4 Sex of Driver by Class of Collision 1995

Sex of Driver	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Male	1,189	72,213	195,088	268,490
Female	290	35,937	84,125	120,352
Unknown	9	572	2,123	2,704
Total	1,488	108,722	281,336	391,546

Table 2.5 Driver Condition by Class of Collision 1995

Condition of Driver	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Normal	1,006	87,471	222,399	310,876
Had Been Drinking	74	2,536	3,806	6,416
Ability Impaired -				
Alcohol Over .08	169	1,593	2,366	4,128
Ability Impaired Alcohol	26	679	836	1,541
Ability Impaired Drugs	1	59	89	149
Fatigue	13	613	846	1,472
Medical Physical Defect	13	446	409	868
Inattentive	57	6,110	13,530	19,697
Other	11	239	489	739
Unknown	118	8,976	36,566	45,660
Total	1,488	108,722	281,336	391,546

Had Been Drinking — Driver had consumed alcohol but his/her physical condition was not legally impaired.

Ability Impaired Alcohol Over .08 — Driver had consumed alcohol and upon testing was found to have a blood alcohol level in excess of 80 mg%.

Ability Impaired Alcohol — Driver had consumed sufficient alcohol to warrant being charged with a drinking and driving offence.

Inattentive — Driver was operating a motor vehicle without due care and attention or placing less than full concentration on driving, e.g., changing radio stations, consuming food, reading, talking on phone or two-way radio, using headphones.

Table 2.6 Driver Age by Driver Condition In all Collisions 1995*

Driver Age	Driver Condition						Total
		Had Been	Impaired Alcohol	Ability Impaired			
	Normal	Drinking	Over .08	Alcohol	Other	Unknown	
Under 16	1,250	20	3	2	261	122	1,658
16	1,771	33	7	7	196	149	2,163
17	6,922	95	37	10	774	531	8,369
18	7,940	176	56	26	773	661	9,632
19	7,911	289	109	30	774	717	9,830
20	7,826	289	122	39	730	731	9,737
21-24	31,319	1,092	458	167	2,448	2,974	38,458
25-34	84,869	1,973	1,406	572	5,556	8,216	102,592
35-44	69,419	1,279	1,095	387	4,172	6,208	82,560
45-54	45,141	603	500	192	2,793	3,973	53,202
55-64	24,036	254	202	65	1,645	1,957	28,159
65-74	14,242	125	99	23	1,433	1,132	17,054
75 & over	6,303	34	15	3	951	522	7,828
Unknown	1,927	154	19	18	419	17,767	20,304
Total	310,876	6,416	4,128	1,541	22,925	45,660	391,546

* Includes bicyclists, drivers of all-terrain vehicles, etc.

Table 2.7 Recorded Occurrence of Alcohol In Drivers Killed 1995*

Recorded Occurrence	Drivers Number	Drivers %
Apparently Normal	313	63.2
Had Been Drinking	35	7.1
Alcohol Over .08	140	28.3
Ability Impaired Alcohol	7	1.4
Total	495	100.0

* Excludes cases where alcohol usage was unknown and where driver condition was other than normal or alcohol involved.

Table 2.8 Apparent Driver Action by Class of Collision 1995

Apparent Driver Action	Class of Collision: Fatal	Personal Injury	Property Damage	Total
Driving Properly	602	51,171	128,419	180,192
Following Too Close	10	8,615	21,008	29,633
Speed Too Fast	101	1,402	2,046	3,549
Speed Too Fast for Conditions	129	6,051	17,879	24,059
Speed Too Slow	3	78	160	241
Improper Turn	24	3,707	11,905	15,636
Disobey Traffic Control	76	5,134	7,693	12,903
Fail to Yield Right of Way	101	11,244	29,167	40,512
Improper Passing	21	823	3,033	3,877
Lost Control	173	8,387	21,629	30,189
Wrong Way on One Way Road	3	151	222	376
Improper Lane Change	14	1,822	9,367	11,203
Other*	164	6,795	16,340	23,299
Unknown	67	3,342	12,468	15,877
Total	1,488	108,722	281,336	391,546

* Includes actions defined as careless driving, inattentive driving, fell asleep, hit and run, wrong side of road, improper parking, impaired, illegally parked, dangerous driving, inexperience, etc.

Table 2.9 Seat Belt Usage by Severity of Driver Injury in Fatal and Personal Injury Collisions 1995

Safety Equipment Used	Severity of Injury: Killed	Major	Minor	Minimal	Not Injured	Total
Seat Belt Used	301	1,985	15,256	27,900	44,170	89,612
Other Equipment*	7	49	294	334	159	843
Equipment Not used	160	387	894	523	398	2,362
No Safety Equipment	2	10	37	35	69	153
Use Unknown	57	272	986	954	6,209	8,478
Total	527	2,703	17,467	29,746	51,005	101,448

* Other equipment includes helmets, including construction, motorcycle helmets, etc. worn in a motor vehicle. It also includes the use of airbags. Seat belt usage in conjunction with airbag deployment is unknown.

The tables on this page only include seat belt usage in collisions in which there were personal injuries or fatalities. Property damage only collisions are excluded. ORSARs published prior to 1988, included seat belt usage in all collisions.

Table 2.10 Seat Belt Usage by Severity of Passenger Injury in Fatal and Personal Injury Collisions 1995

Safety Equipment Used	Severity of Injury					
	Killed	Major	Minor	Minimal	Not Injured	Total
Seat Belt Used	149	1,120	8,631	14,383	21,746	46,029
Child Safety Seat Used Incorrectly	2	5	14	14	67	102
Child Safety Seat Used Correctly	5	18	202	375	1,768	2,368
Other Equipment*	-	10	64	58	53	185
Equipment Not used	79	369	984	627	483	2,542
No Safety Equipment	11	82	501	472	991	2,057
Use Unknown	29	144	612	640	3,547	4,972
Total	275	1,748	11,008	16,569	28,655	58,255

* Other equipment includes helmets, including construction, motorcycle helmets, etc. worn in a motor vehicle. It also includes the use of airbags. Seat belt usage in conjunction with airbag deployment is unknown.

Table 2.11 Restraints Use for Children (0 - 4 Years) Killed in Collisions 1991-1995

Year	Child Restraint Used Correctly	Child Restraint Used Incorrectly	Lap/Lap & Shoulder Belt	Restraint Not Available	Available Not Used	Use Unknown	Total
1991	2	1	5	1	3	1	13
1992	8	4	4	3	2	-	21
1993	5	1	5	1	-	-	12
1994	5	-	4	1	2	1	13
1995	5	2	10	1	2	-	20

Table 2.12 Restraint Use for Children (0 - 4 Years) Involved in Fatal and Personal Injury Collisions by Severity of Injury 1995

Restraint Used	Injury Level		
	Major / Fatal %	Minimal/Minor %	No Injuries %
Child Restraint Used Correctly	25.8	38.3	48.4
Child Restraint Used Incorrectly	6.7	1.7	1.9
Lap/Lap-Shoulder Belt	40.4	49.1	44.4
Not Available	9.0	3.2	1.7
Available/Not Used	13.5	4.3	0.9
Other	-	0.5	0.3
Unknown	4.5	2.8	2.5
Total	100.0	100.0	100.0

It is known from observation surveys that many child safety seats are not used correctly. This is not clear in these tables since children are often removed from the child safety seat before the police officer arrives on the scene. Both correct installation of the seats according to the manufacturer's instructions and correct use of the device in the vehicle are important for the child's protection.

Table 2.13 Pedestrian Condition by Severity of Injury 1995

Condition of Pedestrian	Killed	Injured
Normal	67	3,414
Had Been Drinking	6	260
Ability Impaired Alcohol Over .08	15	19
Ability Impaired Alcohol	3	99
Ability Impaired Drugs	1	10
Fatigue	-	4
Medical or Physical Defect	8	98
Inattentive	9	696
Other	3	100
Unknown	14	561
Total	126	5,261

Table 2.14 Apparent Pedestrian Action by Severity of Injury 1995

Apparent Pedestrian Action	Killed	Injured
Crossing Intersection With Right of Way	9	1,441
Crossing Intersection Without Right of Way	16	848
Crossing Intersection No Traffic Control	26	396
Crossing Pedestrian Crossover	3	133
Crossing Marked Crosswalk Without Right of Way	4	94
Walking on Roadway With Traffic	8	151
Walking on Roadway Against Traffic	8	68
On Sidewalk or Shoulder	4	355
Playing or Working on Highway	1	107
Coming from Behind Parked Vehicle or Object	2	189
Running onto Roadway	16	651
Getting On/Off School Bus*	-	17
Getting On/Off Vehicle	2	78
Pushing/Working on Vehicle	2	29
Other	25	704
Unknown	-	-
Total	126	5,261

* Calender Year

2b. Putting the People in Context

Table 2.15 Category of Persons Killed and Injured 1986-1995

Year	Ontario Population (Est.)	Driver		Passenger*		Pedestrian		All Others		Persons Killed In All Classes		Persons Injured In All Classes	
											Rate Per		Rate Per
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Number	100,000	Number	100,000
1986	9,181,900	511	57,233	289	34,915	153	5,781	149	10,910	1,102	12.0	108,839	1,185.4
1987	9,270,700	545	64,588	318	39,596	187	5,939	179	10,966	1,229	13.3	121,089	1,306.2
1988	9,439,600	563	63,339	350	39,157	186	6,344	138	9,318	1,237	13.1	118,158	1,251.7
1989	9,598,600	627	66,334	369	39,950	161	6,187	129	8,181	1,286	13.4	120,652	1,257.0
1990	9,743,300	540	55,073	321	33,606	154	5,839	105	7,057	1,120	11.5	101,575	1,042.5
1991	10,084,900	542	48,021	298	30,230	157	5,352	105	6,916	1,102	10.9	90,519	897.6
1992	10,098,600	548	49,259	317	30,567	140	5,177	85	6,022	1,090	10.8	91,025	901.4
1993	10,813,200	595	49,628	296	30,584	146	5,181	98	5,756	1,135	10.5	91,149	842.9
1994	10,927,800	508	49,632	273	29,570	127	5,344	91	5,484	999	9.1	90,030	823.9
1995	11,100,000	527	49,916	276	29,440	126	5,261	70	4,955	999	9.0	89,572	807.0

* Excludes motorcycle passengers, which are included with 'All Others".

Table 2.16 Sex of Driver Population by Age Groups 1995

Sex of Driver	Age Groups 16-19	20-24	25-34	35-44	45-54	55-64	65+	Total
Male	194,291	325,126	850,811	862,907	660,759	440,388	462,908	3,797,190
Female	166,556	288,968	771,178	796,842	579,313	342,483	343,488	3,288,828
Total	360,847	614,094	1,621,989	1,659,749	1,240,072	782,871	806,396	7,086,018

Table 2.17 Driver Population by Age Groups 1986-1995

Year	Age Groups 16-19	20-24	25-34	35-44	45-54	55-64	65+	Total
1986	295,107	676,283	1,494,658	1,257,724	820,397	685,640	524,069	5,753,878
1987	305,886	662,357	1,544,926	1,306,853	840,322	697,254	556,451	5,914,049
1988	310,764	643,691	1,588,516	1,353,841	866,022	708,865	583,196	6,054,895
1989	323,109	631,470	1,634,187	1,409,053	898,103	714,266	608,931	6,219,119
1990	322,542	629,478	1,666,474	1,467,699	931,991	720,788	639,826	6,378,798
1991	319,584	627,931	1,673,502	1,501,765	964,925	728,380	669,385	6,485,472
1992	314,685	623,707	1,665,433	1,528,726	1,018,365	736,652	696,432	6,584,000
1993	326,389	621,934	1,655,573	1,566,083	1,136,365	758,840	758,244	6,823,428
1994	358,817	622,704	1,645,962	1,611,972	1,190,442	770,882	783,181	6,983,960
1995	360,847	614,094	1,621,989	1,659,749	1,240,072	782,871	806,396	7,086,018

Table 2.18 Driver Licence Class by Sex 1995

Licence	Driver Sex				Total	%
Class	Male	%	Female	%		
A	80,257	2.11	1,176	.04	81,433	1.15
AM	28,686	.76	164	.00	28,850	.41
AM1	388	.01	3	0.00	391	.01
AM2	455	.01	9	0.00	464	.01
AB	4,137	.11	363	.01	4,500	.06
AC	12,709	.33	267	.01	12,976	.18
ABM	2,253	.06	119	.00	2,372	.03
ABM1	20	0.00	4	0.00	24	0.00
ABM2	36	0.00	10	0.00	46	0.00
ACM	6,666	.18	81	.00	6,747	.10
ACM1	71	.00	1	0.00	72	.00
ACM2	103	.00	3	0.00	106	.00
B	16,569	.44	15,572	.47	32,141	.45
BM	4,671	.12	892	.03	5,563	.08
BM1	33	0.00	24	0.00	57	0.00
BM2	69	.00	39	.00	108	.00
C	6,405	.17	426	.01	6,831	.10
CM	1,870	.05	56	.00	1,926	.03
CM1	16	0.00	2	0.00	18	0.00
CM2	25	0.00	5	0.00	30	0.00
D	207,151	5.46	12,114	.37	219,265	3.09
DM	50,565	1.33	825	.03	51,390	.73
DM1	512	.01	22	0.00	534	.01
DM2	680	.02	31	0.00	711	.01
DE	119	.00	17	0.00	136	.00
DF	2,114	.06	91	.00	2,205	.03
DEM	30	0.00	0	.00	30	0.00
DEM1	1	0.00	1	0.00	2	0.00
DEM2	0	.00	0	.00	0	.00
DFM	965	.03	14	0.00	979	.01
DFM1	9	0.00	1	0.00	10	0.00
DFM2	19	0.00	0	.00	19	0.00
E	1,418	.04	2,210	.07	3,628	.05
EM	196	.01	53	.00	249	.00
EM1	4	0.00	3	0.00	7	0.00
EM2	3	0.00	3	0.00	6	0.00
F	7,835	.21	5,054	.15	12,889	.18
FM	1,966	.05	314	.01	2,280	.03
FM1	35	0.00	11	0.00	46	0.00

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Table 2.18 Driver Licence Class by Sex 1995 Continued

Licence Class	Driver Sex Male	%	Female	%	Total	%
FM2	55	.00	14	0.00	69	0.00
G	2,820,686	74.28	3,006,148	91.40	5,826,834	82.23
GM	336,086	8.85	50,366	1.53	386,452	5.45
GM1	8,883	.23	1,760	.05	10,643	.15
GM2	10,267	.27	2,128	.06	12,395	.17
G1	58,253	1.53	73,663	2.24	131,916	1.86
G1M	103	.00	13	0.00	116	.00
G1M1	423	.01	35	.00	458	.01
G1M2	369	.01	34	.00	403	.01
G2	118,128	3.11	114,059	3.47	232,187	3.28
G2M	529	.01	68	.00	597	.01
G2M1	849	.02	62	.00	911	.01
G2M2	1,036	.03	71	.00	1,107	.02
M	1,753	.05	317	.01	2,070	.03
M1	310	.01	43	.00	353	.00
M2	399	.01	67	.00	466	.01
Other	0.0	.00	0.0	.00	0	.00
Total	3,797,190	100	3,288,828	100	7,086,018	100

Table 2.19 Licensed Drivers, Total Collisions, Persons Killed and Injured 1931-1995

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
1931	666,266	9,241	571	8,494
1932	648,710	9,171	502	8,231
1933	638,710	8,634	403	7,877
1934	665,743	9,645	512	8,990
1935	707,457	10,648	560	9,839
1936	755,765	11,388	546	10,251
1937	802,765	13,906	766	12,092
1938	866,729	13,715	640	11,683
1939	899,572	13,710	652	11,638
1940	937,551	16,921	716	13,715
1941	986,773	18,167	801	14,275
1942	961,883	13,490	567	10,205
1943	919,457	11,025	549	8,628
1944	905,650	11,004	498	8,373
1945	971,852	13,458	598	9,804
1946	1,087,445	17,356	688	12,228
1947	1,144,291	22,293	734	13,056
1948	1,209,408	27,406	740	14,970
1949	1,278,584	34,472	830	17,469
1950	1,366,388	43,681	791	19,940
1951	1,461,538	54,920	949	22,557
1952	1,556,559	58,515	1,010	23,643
1953	1,656,259	65,866	1,082	24,353
1954	1,747,567	62,509	1,045	24,607
1955	1,856,845	63,219	1,111	26,246
1956	1,967,789	71,399	1,180	28,626
1957	2,088,551	76,302	1,279	30,414
1958	2,176,417	76,884	1,112	30,106
1959	2,270,246	81,518	1,187	31,602
1960	2,355,567	87,186	1,166	34,436
1961	2,414,615	85,577	1,268	37,146
1962	2,469,425	94,231	1,383	41,766
1963	2,555,015	104,919	1,421	47,801
1964	2,694,023	111,232	1,424	54,560
1965	2,739,138	128,462	1,611	60,917
1966	2,821,648	139,781	1,596	65,210
1967	3,004,654	145,008	1,719	67,280
1968	3,128,509	155,127	1,586	71,520
1969	3,247,979	169,395	1,683	74,902
1970	3,422,892	141,609	1,535	75,126
1971	3,563,197	158,831	1,769	84,650
1972	3,688,541	189,494	1,934	95,181

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Table 2.19 Licensed Drivers, Total Collisions, Persons Killed and Injured 1931-1995

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
1973	3,841,628	193,021	1,959	97,790
1974	3,972,980	204,271	1,748	98,673
1975	4,160,623	213,689	1,800	97,034
1976	4,315,925	211,865	1,511	83,736
1977	4,562,903	218,567	1,420	95,664
1978	4,725,546	186,363	1,450	94,979
1979	4,858,351	197,196	1,560	101,321
1980	4,993,531	196,501	1,508	101,367
1981	5,123,177	198,372	1,445	100,321
1982	5,247,198	187,943	1,138	92,815
1983	5,380,259	181,999	1,204	91,706
1984	5,513,911	194,782	1,132	97,230
1985	5,660,422	189,750	1,191	109,169
1986	5,817,799	187,286	1,102	108,839
1987	5,978,105	203,431	1,229	121,089
1988	6,118,112	228,398	1,237	118,158
1989	6,290,424	247,038	1,286	120,652
1990	6,448,883	220,188	1,120	101,575
1991	6,574,231	213,669	1,102	90,519
1992	6,688,761	224,249	1,090	91,025
1993	6,823,428	228,834	1,135	91,149
1994	6,983,960	226,996	999	90,030
1995	7,086,018	219,085	999	89,572

Table 2.20 Original Licences Issued 1991-1995

Year	Original Licences
1990	267,894
1991	252,821
1992	227,434
1993	246,387
1994*	300,314
1995	241,412

* Note: Graduated Licensing began in April 1994.

Table 2.21 Original Driver Licences Issued* 1995

Year	Licence Permits			
	G1	G2	M1	M2
1995	107,385	94,395	1,049	995

* Only includes drivers who did not have a previous Ontario licence of any class.

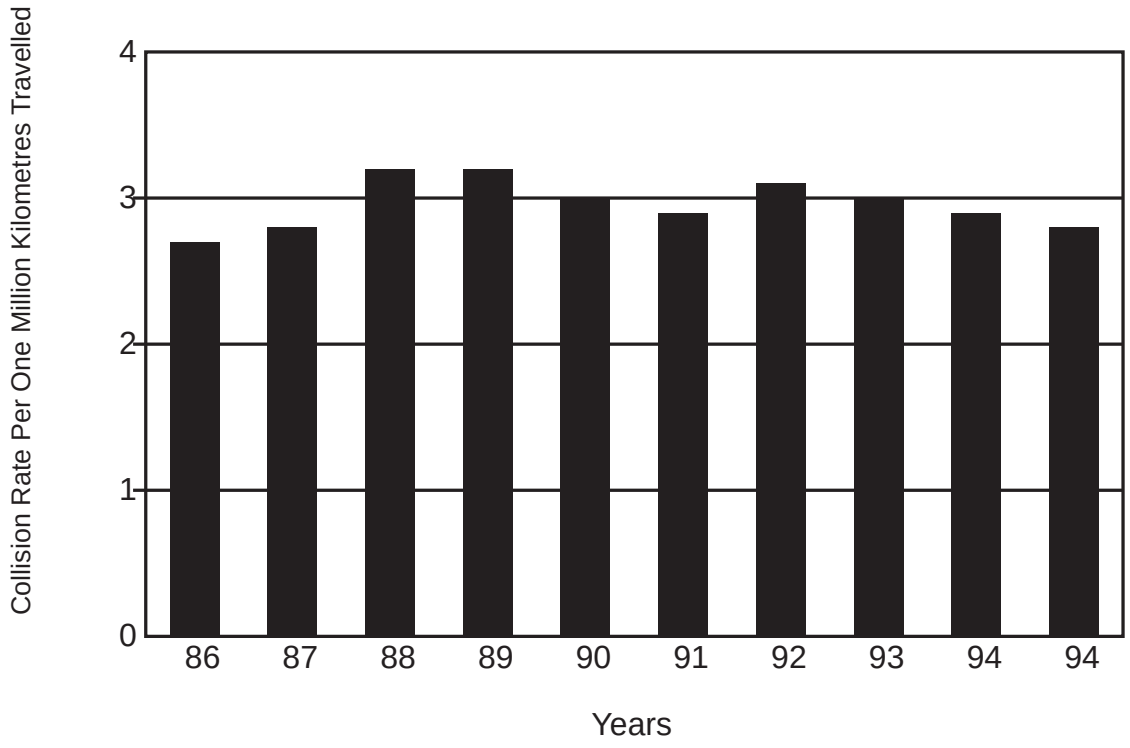
Table 2.22 Driver Age Groups - Number Licensed, Collision Involvement and Per Cent Involved in Collisions 1995

Drivers Age	Drivers Licensed			Drivers Involved in Collisions*			% of Drivers of Each Age Involved in Collisions		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 16	-	-	-	338	83	421	-	-	-
16	33,654	27,481	61,135	1,320	695	2,015	3.9	2.5	3.3
17	47,211	40,128	87,339	5,197	3,047	8,244	11.0	7.6	9.4
18	54,970	47,643	102,613	6,194	3,337	9,531	11.3	7.0	9.3
19	58,456	51,304	109,760	6,538	3,180	9,718	11.2	6.2	8.9
20	61,757	54,433	116,190	6,536	3,102	9,638	10.6	5.7	8.3
21-24	263,369	234,535	497,904	25,397	12,679	38,076	9.6	5.4	7.6
25-34	850,811	771,178	1,621,989	68,959	32,666	101,625	8.1	4.2	6.3
35-44	862,907	796,842	1,659,749	53,501	28,264	81,765	6.2	3.5	4.9
45-54	660,759	579,313	1,240,072	35,601	17,171	52,772	5.4	3.0	4.3
55-64	440,388	342,483	782,871	20,297	7,621	27,918	4.6	2.2	3.6
65-74	326,064	247,350	573,414	11,767	5,184	16,951	3.6	2.1	3.0
75 & over	136,854	96,138	232,982	5,316	2,475	7,791	3.9	2.6	3.3
Unknown	-	-	-	30,095	-	30,095	-	-	-
Total	3,797,190	3,288,828	7,086,018	277,056	119,504	396,560	7.3	3.6	5.6

* This table excludes drivers of non motor vehicles, i. e. bicyclists, snow vehicle operators, etc.

3 The Collision

Collision Rate Per One Million Kilometre Travelled in Ontario - 1986 to 1995



3a. Types of Collisions

Table 3.1 Class of Collision 1986-1995

Year	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
1986	951	73,703	112,632	187,286
1987	1,085	80,432	121,914	203,431
1988	1,076	76,724	150,598	228,398
1989	1,106	77,852	168,080	247,038
1990	959	65,912	153,317	220,188
1991	956	59,242	153,471	213,669
1992	942	58,889	164,418	224,249
1993	987	58,932	168,915	228,834
1994	875	58,525	167,596	226,996
1995	860	58,273	159,952	219,085

Table 3.2 Collision Rate Per One Million Kilometers Travelled 1986-1995

Year	Collision Rate
1986	2.7
1987	2.8
1988	3.2
1989	3.2
1990	3.0
1991	2.9
1992	3.1
1993	3.0
1994	2.9
1995	2.8

Table 3.3 Motor Vehicles Involved in Collisions Based on Initial Impact 1995*

Motor Vehicle in Collision Involving Moveable Objects:	Class of Collision: Fatal	Personal Injury	Property Damage	Total
Other Motor Vehicles	939	85,043	231,067	317,049
Unattended Vehicles	15	759	11,913	12,687
Pedestrian	124	4,689	129	4,942
Cyclist	18	3,040	347	3,405
Railway Train	4	34	46	84
Street Car	1	42	200	243
Farm Tractor	-	47	97	144
Animal Domestic	1	69	564	634
Animal Wild	8	410	7,068	7,486
Other Moveable Objects	3	47	188	238
Sub-total	1,113	94,180	251,619	346,912
Fixed Objects:				
Cable Guide Rail	4	99	471	574
Concrete Guide Rail	1	191	550	742
Steel Guide Rail	-	287	1,134	1,421
Pole (Utility Tower)	7	520	1,556	2,083
Pole (Sign/Parking Meter)	4	136	847	987
Fence/Noise Barrier	1	44	241	286
Culvert	1	35	37	73
Bridge Support	5	47	125	177
Rock Face	1	20	40	61
Snow Bank or Drift	1	62	203	266
Ditch	1	366	780	1,147
Curb	12	616	2,037	2,665
Crash Cushion	-	13	28	41
Building or Wall	-	42	197	239
Water Course	-	2	3	5
Construction Marker	-	12	54	66
Tree, Shrub, or Stump	3	141	448	592
Other Fixed Object	7	269	1,326	1,602
Sub-total	48	2,902	10,077	13,027
Other Events:				
Ran Off Road	166	4,350	8,559	13,075
Skidding/Sliding	141	6,119	17,172	23,432
Jackknifing	3	33	127	163
Load Spill	-	14	86	100
Fire/Explosion	-	12	438	450
Submersion	-	1	7	8
Rollover	6	248	322	576
Debris on Road	3	103	728	834
Debris off Vehicle	5	91	815	911
Other Non-Collision Event	30	1,990	4,842	6,862
Sub-total	354	12,961	33,096	46,411
Total	1,515	110,043	294,792	406,350

* Table 3.3 reflects the first event only for each vehicle in the collision.

Table 3.4 Initial Impact Type by Class of Collision 1995

Initial Impact Type	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Approaching	194	1,740	2,228	4,162
Angle	109	7,674	16,222	24,005
Rear End	42	15,844	34,686	50,572
Sideswipe	39	3,324	17,117	20,480
Turning Movement	68	11,798	34,342	46,208
Single Motor Vehicle Unattended	14	758	12,027	12,799
Single Motor Vehicle Other	394	16,996	41,088	58,478
Other	-	136	2,237	2,373
Unknown	-	3	5	8
Total	860	58,273	159,952	219,085

3b. Time and Environment

Table 3.5 Month of Occurrence by Class of Collision 1995

Month of Occurrence	Class of Collision						Total	%
			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
January	59	6.9	4,654	8.0	15,618	9.8	20,331	9.3
February	52	6.0	4,680	8.0	15,107	9.4	19,839	9.1
March	63	7.3	3,877	6.7	11,016	6.9	14,956	6.8
April	66	7.7	4,113	7.1	10,754	6.7	14,933	6.8
May	66	7.7	4,838	8.3	11,474	7.2	16,378	7.5
June	81	9.4	5,265	9.0	11,893	7.4	17,239	7.9
July	100	11.6	4,878	8.4	11,156	7.0	16,134	7.4
August	77	9.0	5,098	8.7	11,518	7.2	16,693	7.6
September	77	9.0	4,996	8.6	11,941	7.5	17,014	7.8
October	73	8.5	5,099	8.8	13,408	8.4	18,580	8.5
November	65	7.6	5,601	9.6	18,222	11.4	23,888	10.9
December	81	9.4	5,174	8.9	17,845	11.2	23,100	10.5
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

Table 3.6 Day of Week by Class of Collision 1995

Day of Occurrence	Class of Collision						Total	%
			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
Monday	111	12.9	7,834	13.4	20,779	13.0	28,724	13.1
Tuesday	105	12.2	8,261	14.2	21,887	13.7	30,253	13.8
Wednesday	106	12.3	8,497	14.6	24,192	15.1	32,795	15.0
Thursday	116	13.5	8,749	15.0	24,520	15.3	33,385	15.2
Friday	141	16.4	10,090	17.3	28,217	17.6	38,448	17.5
Saturday	151	17.6	8,415	14.4	23,063	14.4	31,629	14.4
Sunday	130	15.1	6,427	11.0	17,294	10.8	23,851	10.9
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

Table 3.7 Hour of Occurrence by Class of Collision 1995

Hour of	Class of Collision						Total	%
Occurrence A.M.			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
12 to 1 a.m.	35	4.1	1,080	1.9	2,889	1.8	4,004	1.8
1 to 2 a.m.	42	4.9	1,304	2.2	3,557	2.2	4,903	2.2
2 to 3 a.m.	35	4.1	951	1.6	2,700	1.7	3,686	1.7
3 to 4 a.m.	19	2.2	553	0.9	1,598	1.0	2,170	1.0
4 to 5 a.m.	15	1.7	404	0.7	1,226	0.8	1,645	0.8
5 to 6 a.m.	19	2.2	448	0.8	1,409	0.9	1,876	0.9
Sub total	165	19.2	4,740	8.1	13,379	8.4	18,284	8.3
6 to 7 a.m.	27	3.1	989	1.7	3,194	2.0	4,210	1.9
7 to 8 a.m.	28	3.3	2,011	3.5	6,106	3.8	8,145	3.7
8 to 9 a.m.	26	3.0	3,324	5.7	9,678	6.1	13,028	5.9
9 to 10 a.m.	29	3.4	2,354	4.0	7,276	4.5	9,659	4.4
10 to 11 a.m.	30	3.5	2,541	4.4	7,473	4.7	10,044	4.6
11 to 12 noon	35	4.1	3,034	5.2	8,549	5.3	11,618	5.3
Sub total	175	20.3	14,253	24.5	42,276	26.4	56,704	25.9
Hour of								
Occurrence P.M.								
12 to 1 p.m.	37	4.3	3,544	6.1	9,300	5.8	12,881	5.9
1 to 2 p.m.	37	4.3	3,424	5.9	9,206	5.8	12,667	5.8
2 to 3 p.m.	41	4.8	3,683	6.3	9,660	6.0	13,384	6.1
3 to 4 p.m.	51	5.9	4,809	8.3	12,107	7.6	16,967	7.7
4 to 5 p.m.	44	5.1	4,856	8.3	12,385	7.7	17,285	7.9
5 to 6 p.m.	52	6.0	4,710	8.1	12,094	7.6	16,856	7.7
Sub total	262	30.5	25,026	42.9	64,752	40.5	90,040	41.1
6 to 7 p.m.	42	4.9	3,699	6.3	9,943	6.2	13,684	6.2
7 to 8 p.m.	49	5.7	2,825	4.8	7,677	4.8	10,551	4.8
8 to 9 p.m.	38	4.4	2,266	3.9	5,885	3.7	8,189	3.7
9 to 10 p.m.	51	5.9	2,047	3.5	5,699	3.6	7,797	3.6
10 to 11 p.m.	31	3.6	1,665	2.9	4,724	3.0	6,420	2.9
11 to 12 midnight	40	4.7	1,508	2.6	3,910	2.4	5,458	2.5
Sub total	251	29.2	14,010	24.0	37,838	23.7	52,099	23.8
Unknown	7	0.8	244	0.4	1,707	1.1	1,958	0.9
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

Table 3.8 Statutory Holidays, Holiday Weekends - Fatal Collisions, Persons Killed and Injured 1995

Statutory	Number of Fatal	Drivers		Passengers		Others		Total	
Holiday	Collisions	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Easter Weekend	8	6	4	1	5	1	-	8	9
Victoria Day	9	5	4	4	3	-	-	9	7
Canada Day*	5	3	1	-	2	2	-	5	3
Civic Holiday (Simcoe Day)	8	5	6	6	10	-	-	11	16
Labour Day	13	9	5	2	10	2	-	13	15
Thanksgiving Day	12	10	3	2	10	2	1	14	14
Christmas/Boxing Day*	4	2	2	4	-	1	-	7	2

* Actual length may vary depending on day holiday falls on. If holiday falls on a weekend then holiday includes the entire weekend.

Table 3.9 Light Condition by Class of Collision 1995

Light	Class of Collision						Total	%
Condition			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
Daylight	445	51.7	40,429	69.4	106,823	66.8	147,697	67.4
Dawn	18	2.1	735	1.3	2,529	1.6	3,282	1.5
Dusk	26	3.0	1,977	3.4	5,635	3.5	7,638	3.5
Darkness	367	42.7	15,094	25.9	44,742	28.0	60,203	27.5
Other	4	0.5	38	0.1	223	0.1	265	0.1
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

Table 3.10 Visibility by Class of Collision 1995

Visibility	Class of Collision						Total	%
			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
Clear	686	79.8	44,429	76.2	115,114	72.0	160,229	73.1
Rain	73	8.5	7,118	12.2	19,310	12.1	26,501	12.1
Snow	60	7.0	4,667	8.0	18,487	11.6	23,214	10.6
Freezing Rain	7	0.8	744	1.3	2,922	1.8	3,673	1.7
Drifting Snow	3	0.3	480	0.8	1,701	1.1	2,184	1.0
Strong Wind	5	0.6	161	0.3	470	0.3	636	0.3
Fog, Mist, Smoke, or Dust	18	2.1	566	1.0	1,514	0.9	2,098	1.0
Other	8	0.9	108	0.2	434	0.3	550	0.3
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

3c. The Collision Location

Table 3.11 Road Jurisdiction by Class of Collision 1995

Road Jurisdiction	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Municipal (Excl.Twp. Rd.)	199	31,362	83,287	114,848
Provincial Highway	348	11,924	34,093	46,365
Township	68	2,403	7,303	9,774
County or District	104	2,357	6,354	8,815
Regional Municipality	136	10,016	28,127	38,279
Federal	2	146	605	753
Other	3	65	183	251
Total	860	58,273	159,952	219,085

Table 3.12 Road Jurisdiction forAll Collisions 1986-1995

Road	Year										Total
Jurisdiction	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
Municipal	120,799	135,949	159,228	139,926	117,218	112,651	117,800	119,421	117,478	114,848	1,255,318
Provincial	38,002	40,825	44,772	48,944	43,513	44,234	46,537	48,275	48,895	46,365	450,362
Township	10,092	10,460	12,277	11,882	10,684	10,332	10,777	10,667	10,497	9,774	107,442
County or District	7,027	7,024	7,527	8,773	8,582	8,482	9,186	9,076	8,839	8,815	83,331
Regional Municipality*	10,185	7,863	3,620	36,237	39,004	36,956	38,810	40,230	40,165	38,279	291,349
Federal**	-	-	748	940	913	769	899	863	825	753	6,710
Other	1,181	1,310	226	336	274	245	240	302	297	251	4,662
Total	187,286	203,431	228,398	247,038	220,188	213,669	224,249	228,834	226,996	219,085	2,199,174

* Some collisions occurring on regional municipal roads were recorded as occurring on municipal roads prior to 1989.

** Since January 1, 1988 the Motor Vehicle Accident Report form allows recording of jurisdiction for federal roads.

Table 3.13 Road Location by Class of Collision 1995

Road Location	Class of Collision						Total	%
			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
Non-intersection	544	63.3	20,840	35.8	64,814	40.5	86,198	39.3
Intersection Related	72	8.4	12,362	21.2	32,819	20.5	45,253	20.7
In Intersection	158	18.4	17,551	30.1	35,589	22.2	53,298	24.3
At/Near Private Drive	62	7.2	6,734	11.6	24,554	15.4	31,350	14.3
At Railway	5	0.6	120	0.2	295	0.2	420	0.2
Underpass or Tunnel	3	0.3	95	0.2	328	0.2	426	0.2
Overpass or Bridge	13	1.5	425	0.7	1,135	0.7	1,573	0.7
Other	3	0.3	146	0.3	418	0.3	567	0.3
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

Table 3.14 Road Surface Condition by Class of Collision 1995

Road Surface Condition	Class of Collision						Total	%
			Personal		Property			
	Fatal	%	Injury	%	Damage	%		
Dry	584	67.9	37,300	64.0	92,306	57.7	130,190	59.4
Wet	157	18.3	12,769	21.9	34,344	21.5	47,270	21.6
Loose Snow	26	3.0	2,028	3.5	8,795	5.5	10,849	5.0
Slush	19	2.2	1,387	2.4	5,040	3.2	6,446	2.9
Packed Snow	20	2.3	1,463	2.5	6,748	4.2	8,231	3.8
Ice	31	3.6	2,826	4.8	11,329	7.1	14,186	6.5
Mud	1	0.1	20	-	74	-	95	-
Loose Sand or Gravel	7	0.8	313	0.5	781	0.5	1,101	0.5
Spilled Liquid	-	-	26	-	33	-	59	-
Other	15	1.7	141	0.2	502	0.3	658	0.3
Total	860	100.0	58,273	100.0	159,952	100.0	219,085	100.0

4 Place of Collision in Ontario

4. Place of Collision in Ontario

Table 4.1

Location		Estimated Population (1991)*	Class of Collision: Total Collisions	Fatal	Personal Injury	Property Damage	Persons: Killed	Injured	Motor Vehicle Registrations
ONTARIO		9,624,670	219,085	860	58,273	159,952	999	89,572	6,437,356
BLIND RIVER, T		3,913	30	-	4	26	-	4	
ELLIOT LAKE, C	M	13,391	98	-	28	70	-	41	
MICHIPICOTEN, TP	M	4,139	1	-	1	-	-	1	
SAULT STE MARIE, C	M	79,366	1,986	3	418	1,565	3	694	
THESSALON, T		1,452	9	-	1	8	-	1	
PROVINCIAL HIGHWAY		-	776	10	197	569	19	324	
OTHER AREAS		14,285	236	1	58	177	1	93	
ALGOMA		116,546	3,136	14	707	2,415	23	1,158	89,896
BRANTFORD, C	M	77,713	1,695	-	329	1,366	-	444	
BRANTFORD, TP		6,327	13	-	5	8	-	7	
PARIS, T	M	8,242	66	-	10	56	-	14	
PROVINCIAL HIGHWAY		-	422	4	127	291	4	222	
OTHER AREAS		13,057	282	3	74	205	3	120	
BRANT		105,339	2,478	7	545	1,926	7	807	73,483
AMABEL, TP		3,548	8	-	2	6	-	2	
BRANT, TP		3,255	1	-	1	-	-	2	
CARRICK, TP		2,308	1	-	-	1	-	-	
CHESLEY, T		1,855	10	-	2	8	-	2	
KINCARDINE, T	M	2,944	62	-	13	49	-	20	
PORT ELGIN, T	M	6,490	75	-	13	62	-	21	
SOUTHHAMPTON, T	M	2,940	30	-	8	22	-	12	
WALKERTON, T	M	4,788	78	-	18	60	-	30	
WIARTON, T		2,237	25	-	3	22	-	4	
PROVINCIAL HIGHWAY		-	237	3	69	165	4	115	
OTHER AREAS		30,718	624	8	145	471	13	234	
BRUCE		61,083	1,151	11	274	866	17	442	49,270

Legend

T town
C city
VL village
TP township

Other Areas - Jurisdictions with less than 1,500 population

M Muncipal Police Force

* Source: Ontario Ministry of Municipal Affairs Municipal Directory 1991.
Population data in this table refers to persons residing in a municipality on a permanent basis.
The method used in determining the population is different from previous methods used.

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision: Total Collisions	Fatal	Personal Injury	Property Damage	Persons: Killed	Injured	Motor Vehicle Registrations
COCHRANE, T		4,403	76	-	10	66	-	15	
HEARST, T		5,962	74	-	18	56	-	23	
IROQUOIS FALLS, T		5,823	38	-	8	30	-	10	
KAPUSKASING, T	M	10,328	149	-	40	109	-	55	
SMOOTH ROCK FALLS, T		2,004	15	-	1	14	-	1	
TIMMINS, C	M	46,697	584	-	152	432	-	228	
PROVINCIAL HIGHWAY		-	612	10	182	420	16	288	
OTHER AREAS		10,213	190	-	54	136	-	83	
COCHRANE		85,430	1,738	10	465	1,263	16	703	63,090
AMARANTH, TP		3,146	2	-	1	1	-	3	
EAST GARAFRAXA, TP		2,037	1	-	-	1	-	-	
MELANCTHON, TP		2,320	4	-	-	4	-	-	
MONO, TP		5,766	5	-	2	3	-	2	
MULMUR, TP		2,483	2	-	-	2	-	-	
ORANGEVILLE, T	M	17,227	288	-	59	229	-	73	
SHELBURNE, T	M	3,352	28	-	5	23	-	8	
PROVINCIAL HIGHWAY		-	300	4	88	208	4	182	
OTHER AREAS		2,445	419	2	103	314	2	159	
DUFFERIN		38,776	1,049	6	258	785	6	427	30,705
MORRISBURG, VL		2,301	18	-	2	16	-	2	
WILLIAMSBURGH, TP		3,211	2	-	-	2	-	-	
WINCHESTER, TP		3,279	18	-	1	17	-	1	
WINCHESTER, VL		2,261	2	-	-	2	-	-	
PROVINCIAL HIGHWAY		-	168	1	54	113	1	99	(Veh. Reg.
OTHER AREAS		9,055	174	1	38	135	2	67	included in
DUNDAS		20,107	382	2	95	285	3	169	Stormont)
AJAX, T		54,542	570	1	146	423	1	225	
BROCK, TP		10,530	67	-	20	47	-	34	
NEWCASTLE, T		47,262	85	-	20	65	-	27	
OSHAWA, C		123,681	2,241	5	561	1,675	5	843	
PICKERING, T		64,946	725	1	173	551	1	259	
SCUGOG, TP		17,053	203	2	50	151	2	92	
UXBRIDGE, TP		13,241	199	1	44	154	1	75	
WHITBY, T		59,152	994	4	258	732	4	387	
PROVINCIAL HIGHWAY		-	1,892	13	491	1,388	13	838	
OTHER AREAS		-	884	8	217	659	9	339	
DURHAM		390,407	7,860	35	1,980	5,845	36	3,119	274,308
ALDBOROUGH, TP		3,627	6	-	2	4	-	3	
AYLMER, T	M	5,965	79	-	11	68	-	15	
DUNWICH, TP		2,191	2	-	-	2	-	-	
MALAHIDE, TP		5,587	2	-	1	1	-	1	
PORT STANLEY, VL		2,033	11	-	2	9	-	2	
ST THOMAS, C	M	29,558	399	1	97	301	1	141	
SOUTHWOLD, TP		4,431	1	-	-	1	-	-	
YARMOUTH, TP		7,605	8	-	-	8	-	-	
PROVINCIAL HIGHWAY		-	402	7	126	269	7	209	
OTHER AREAS		11,739	474	6	143	325	6	218	
ELGIN		72,736	1,384	14	382	988	14	589	57,237

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
AMHERSTBURG, T	M	8,808	90	-	21	69	-	25	
ANDERDON, TP	M	5,469	15	-	2	13	-	2	
BELLE RIVER, T		4,172	26	-	7	19	-	11	
COLCHESTER SOUTH, TP	M	5,262	2	-	-	2	-	-	
ESSEX, T	M	6,601	76	-	11	65	-	15	
GOSFIELD NORTH, TP		4,200	2	-	1	1	-	1	
GOSFIELD SOUTH, TP		7,536	5	-	-	5	-	-	
HARROW, T		2,510	24	-	-	24	-	-	
KINGSVILLE, T	M	5,779	52	-	11	41	-	18	
LEAMINGTON, T	M	13,984	332	2	44	286	2	54	
MAIDSTONE, TP		9,755	4	-	1	3	-	1	
MALDEN, TP		3,099	5	-	1	4	-	1	
MERSEA, TP	M	8,355	5	-	1	4	-	1	
ROCHESTER, TP		4,382	2	-	-	2	-	-	
ST CLAIR BEACH, VL	M	3,542	17	-	1	16	-	1	
SANDWICH SOUTH, TP		5,554	7	-	-	7	-	-	
TECUMSEH, T		10,432	85	-	28	57	-	51	
TILBURY WEST, TP		1,677	1	-	-	1	-	-	
WINDSOR, C	M	190,954	3,587	15	1,204	2,368	15	1,686	
PROVINCIAL HIGHWAY		-	649	9	202	438	9	366	
OTHER AREAS		23,917	1,147	20	329	798	21	514	
ESSEX		325,988	6,133	46	1,864	4,223	47	2,747	218,319
KINGSTON, C	M	60,930	1,206	7	324	875	7	465	
KINGSTON, TP		37,412	11	-	1	10	-	1	
LOUGHBOROUGH, TP		4,133	3	-	-	3	-	-	
PITTSBURGH, TP		11,416	7	-	2	5	-	2	
STORRINGTON, TP		3,552	1	-	-	1	-	-	
PROVINCIAL HIGHWAY		-	561	6	147	408	7	234	
OTHER AREAS		12,024	901	5	215	681	5	347	
FRONTENAC		129,467	2,690	18	689	1,983	19	1,049	83,876
ALEXANDRIA, T	M	3,194	60	-	16	44	-	28	
CHARLOTTENBURGH, TP		7,499	5	-	1	4	-	1	
KENYON, TP		3,286	1	-	-	1	-	-	
LANCASTER, TP		3,447	5	-	3	2	-	5	
PROVINCIAL HIGHWAY		-	237	6	73	158	6	122	(Veh. Reg.
OTHER AREAS		4,483	197	3	54	140	3	112	included in
GLENGARRY		21,909	505	9	147	349	9	268	Stormont)
AUGUSTA, TP		7,115	5	-	1	4	-	2	
CARDINAL, VL	M	1,483	7	-	1	6	-	2	
EDWARDSBURG, TP		4,390	3	-	-	3	-	-	
SOUTH GOWER, TP		1,863	1	-	-	1	-	-	
KEMPTVILLE, T	M	2,437	24	-	4	20	-	4	
OXFORD ON RIDEAU, TP		5,352	1	-	-	1	-	-	
PRESCOTT, T	M	4,189	63	-	17	46	-	25	
PROVINCIAL HIGHWAY		-	345	3	96	246	4	165	(Veh. Reg.
OTHER AREAS		2,303	323	4	86	233	4	129	included in
GRENVILLE		29,132	772	7	205	560	8	327	Leeds)

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
COLLINGWOOD, TP		2,915	1	-	-	1	-	-	
DURHAM, T	M	2,511	26	-	8	18	-	16	
EGREMONT, TP		2,264	1	-	1	-	-	1	
HANOVER, T	M	6,187	87	-	20	67	-	28	
HOLLAND, TP		2,663	1	-	-	1	-	-	
MEAFORD, T	M	4,182	33	1	7	25	1	13	
NORMANBY, TP		2,592	2	-	1	1	-	2	
OWEN SOUND, C	M	20,809	333	1	94	238	1	141	
ST VINCENT, TP		2,217	2	-	1	1	-	1	
SYDENHAM, TP		2,890	1	-	-	1	-	-	
THORNBURY, T	M	1,566	11	-	1	10	-	1	
PROVINCIAL HIGHWAY		-	411	5	124	282	7	241	
OTHER AREAS		29,215	711	1	156	554	1	255	
GREY		80,011	1,620	8	413	1,199	10	699	55,291
DELHI, TP		1,930	152	1	40	111	1	64	
DUNNVILLE, T		11,766	158	1	44	113	1	60	
HALDIMAND, T		19,880	92	1	22	69	2	35	
NANTICOKE, C		21,759	219	3	59	157	4	86	
NORFOLK, TP		10,883	68	-	20	48	-	30	
SIMCOE, T		14,715	283	1	65	217	1	91	
PROVINCIAL HIGHWAY		-	400	5	121	274	7	195	
OTHER AREAS		13,000	442	4	125	313	4	187	
HALDIMAND-NORFOLK		93,933	1,814	16	496	1,302	20	748	75,731
ANSON,HINDON & MINDEN, TP		2,902	14	-	4	10	-	8	
DYSART ET AL, TP		4,346	8	-	-	8	-	-	
PROVINCIAL HIGHWAY		-	222	4	57	161	6	78	
OTHER AREAS		5,781	169	1	30	138	1	39	
HALIBURTON		13,029	413	5	91	317	7	125	11,726
BURLINGTON, C		125,260	1,452	6	355	1,091	7	515	
HALTON HILLS, T		35,496	456	3	138	315	3	220	
MILTON, T		30,138	564	2	167	395	2	267	
OAKVILLE, T		109,718	1,326	2	275	1,049	2	410	
PROVINCIAL HIGHWAY		-	1,829	8	442	1,379	13	753	
OTHER AREAS		-	81	-	23	58	-	31	
HALTON		300,612	5,708	21	1,400	4,287	27	2,196	218,859
BANCROFT, VL		2,335	58	-	9	49	-	11	
BELLEVILLE, C	M	35,169	883	1	199	683	1	318	
DESERONTO, T	M	1,810	18	-	6	12	-	7	
FRANKFORD, VL		2,051	20	-	4	16	-	4	
HUNGERFORD, TP		2,880	2	-	1	1	-	1	
HUNTINGDON, TP		2,146	1	-	-	1	-	-	
MADOC, TP		1,742	7	-	3	4	-	5	
MARMORA LAKE, TP		1,801	1	-	-	1	-	-	
RAWDON, TP		2,594	2	-	-	2	-	-	
SIDNEY, TP		16,338	3	-	-	3	-	-	

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
STIRLING, VL	M	2,050	17	-	5	12	-	7	
THURLOW, TP		7,267	3	-	-	3	-	-	
TRENTON, C	M	16,065	295	-	65	230	-	89	
TWEED, VL		1,510	19	-	5	14	-	6	
PROVINCIAL HIGHWAY		-	795	12	213	570	13	411	
OTHER AREAS		14,641	552	4	134	414	4	201	
HASTINGS		110,399	2,676	17	644	2,015	18	1,060	88,785
ASHFIELD, TP		1,747	1	-	-	1	-	-	
CLINTON, T	M	3,183	44	-	9	35	-	10	
EXETER, T	M	4,264	59	-	11	48	-	18	
GODERICH, T	M	7,399	100	-	22	78	-	24	
GODERICH, TP		2,494	4	-	3	1	-	5	
GREY, TP		2,015	1	-	1	-	-	2	
HAY, TP		2,106	1	-	-	1	-	-	
HULLETT, TP		1,777	1	-	1	-	-	3	
SEAFORTH, T	M	2,285	24	-	5	19	-	5	
STEPHEN, TP		4,326	2	-	2	-	-	2	
TUCKERSMITH, TP		3,078	2	-	1	1	-	1	
TURNBERRY, TP		1,579	1	-	-	1	-	-	
WINGHAM, T	M	3,003	46	-	8	38	-	10	
PROVINCIAL HIGHWAY		-	383	2	101	280	2	210	
OTHER AREAS		21,033	456	1	135	320	1	208	
HURON		58,542	1,125	3	299	823	3	498	40,094
DRYDEN, T	M	6,257	80	-	15	65	-	21	
IGNACE, TP		1,770	3	-	1	2	-	1	
JAFFRAY MELICK, T		3,862	11	-	1	10	-	2	
KEEWATIN, T		2,052	39	-	6	33	-	10	
KENORA, T	M	9,570	330	-	52	278	-	77	
RED LAKE, TP		2,084	11	-	-	11	-	-	
SIOUX LOOKOUT, T		3,082	61	1	9	51	1	11	
PROVINCIAL HIGHWAY		-	840	9	197	634	14	322	
OTHER AREAS		6,903	250	1	53	196	1	84	
KENORA		35,580	1,625	11	334	1,280	16	528	38,617
BLENHEIM, T		4,570	49	-	10	39	-	16	
CHATHAM, C	M	42,800	800	2	226	572	2	334	
CHATHAM, TP		6,340	1	-	-	1	-	-	
DOVER, TP		4,005	1	-	-	1	-	-	
DRESDEN, T	M	2,626	10	-	3	7	-	4	
HARWICH, TP		5,993	5	-	1	4	-	4	
RALEIGH, TP		5,451	1	-	1	-	-	1	
RIDGETOWN, T		3,204	31	-	10	21	-	12	
ROMNEY, TP		1,937	1	1	-	-	1	1	
TILBURY, T	M	4,294	68	-	11	57	-	15	
TILBURY EAST, TP		2,298	3	-	1	2	-	1	

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
WALLACEBURG, T	M	11,684	127	-	25	102	-	34	
WHEATLEY, VL		1,533	14	-	2	12	-	2	
PROVINCIAL HIGHWAY		-	396	4	143	249	4	235	
OTHER AREAS		9,880	438	6	140	292	6	206	
KENT		106,615	1,945	13	573	1,359	13	865	79,293
BOSANQUET, TP		4,901	13	-	1	12	-	1	
BROOKE, TP		1,862	3	-	1	2	-	1	
DAWN, TP		1,546	1	-	-	1	-	-	
ENNISKILLEN, TP		3,117	8	1	1	6	1	7	
EUPHEMIA, TP		1,120	1	-	-	1	-	-	
FOREST, T		2,769	21	-	3	18	-	4	
MOORE, TP		10,432	3	-	1	2	-	2	
PETROLIA, T	M	4,510	64	-	6	58	-	8	
PLYMPTON, TP		5,116	3	-	1	2	-	1	
POINT EDWARD, VL	M	2,323	19	-	10	9	-	17	
SARNIA, C	M	72,684	1,251	2	257	992	2	376	
SOMBRA, TP		4,053	2	-	2	-	-	2	
WARWICK, TP		2,465	2	-	1	1	-	1	
WYOMING, VL		1,988	8	-	2	6	-	2	
PROVINCIAL HIGHWAY		-	374	3	94	277	3	152	
OTHER AREAS		5,117	512	7	121	384	9	196	
LAMBTON		124,003	2,285	13	501	1,771	15	770	87,838
ALMONTE, T		4,249	27	-	10	17	-	13	
BATHURST, TP		2,820	1	-	1	-	-	2	
BECKWITH, TP		4,211	4	-	-	4	-	-	
CARLETON PLACE, T	M	7,080	104	-	19	85	-	33	
MONTAGUE, TP		3,520	3	-	-	3	-	-	
PAKENHAM, TP		1,767	1	-	-	1	-	-	
PERTH, T	M	5,438	150	1	35	114	1	59	
RAMSAY, TP		3,719	2	-	1	1	-	4	
SMITHS FALLS, T	M	9,235	249	2	41	206	2	49	
PROVINCIAL HIGHWAY		-	306	3	84	219	4	131	
OTHER AREAS		10,950	431	2	79	350	2	123	
LANARK		52,989	1,278	8	270	1,000	9	414	39,869
BASTARD & S BURGESS, TP		2,422	1	-	-	1	-	-	
BROCKVILLE, C	M	21,207	438	-	88	350	-	121	
CROSBY SOUTH, TP		1,649	1	-	-	1	-	-	
ELIZABETHTOWN, TP		7,021	3	-	-	3	-	-	
ELMSLEY SOUTH, TP		3,080	2	-	1	1	-	5	
F LEEDS & LANSDOWNE, TP		4,638	11	-	2	9	-	2	
FRONT OF YONGE, TP		2,239	2	-	-	2	-	-	
GANANOQUE, T	M	4,988	89	-	19	70	-	27	
R YONGE AND ESCOTT, TP		1,768	1	-	-	1	-	-	(Veh. Reg.
PROVINCIAL HIGHWAY		-	457	6	144	307	8	266	includes
OTHER AREAS		11,033	379	6	71	302	6	99	Grenville)
LEEDS		57,623	1,384	12	325	1,047	14	520	66,184

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision: Total Collisions	Fatal	Personal Injury	Property Damage	Persons: Killed	Injured	Motor Vehicle Registrations
ERNESTOWN, TP		11,100	5	-	-	5	-	-	
N FREDERICKSBURGH, TP		2,991	1	-	-	1	-	-	
NAPANEE, T		4,849	139	-	26	113	-	36	
PROVINCIAL HIGHWAY		-	407	5	137	265	7	213	
OTHER AREAS		15,490	322	3	67	252	4	106	
LENNOX & ADDINGTON		34,430	874	8	230	636	11	355	23,569
PROVINCIAL HIGHWAY		-	166	1	37	128	5	58	
OTHER AREAS		7,069	150	-	48	102	-	69	
MANITOULIN		7,069	316	1	85	230	5	127	9,387
ADELAIDE, TP		1,958	2	-	2	-	-	3	
BIDDULPH, TP		2,138	2	-	-	2	-	-	
CARADOC, TP		6,043	4	-	1	3	-	2	
EKFRID, TP		2,141	1	-	1	-	-	1	
GLENCOE, VL		2,062	21	-	3	18	-	5	
LOBO, TP		5,426	3	-	-	3	-	-	
LONDON, C	M	310,698	6,323	14	2,146	4,163	16	3,190	
LONDON, TP		5,322	4	-	1	3	-	1	
LUCAN, VL		1,810	8	-	2	6	-	2	
NORTH DORCHESTER, TP		7,817	11	-	2	9	-	3	
WEST NISSOURI, TP		2,415	3	-	-	3	-	-	
STRATHROY, T	M	10,370	96	1	24	71	1	35	
PROVINCIAL HIGHWAY		-	796	5	209	582	6	334	
OTHER AREAS		13,959	770	9	254	507	9	455	
MIDDLESEX		370,201	8,044	29	2,645	5,370	32	4,031	241,224
BRACEBRIDGE, T		10,912	141	-	24	117	-	33	
GRAVENHURST, T		8,953	118	-	29	89	-	36	
HUNTSVILLE, T		13,404	117	-	23	94	-	33	
LAKE OF BAYS MUSKOKA, TP		2,526	6	-	2	4	-	2	
MUSKOKA LAKES, TP		5,236	33	-	8	25	-	11	
PROVINCIAL HIGHWAY		-	601	9	158	434	12	288	
OTHER AREAS		2,018	281	1	71	209	1	117	
MUSKOKA		43,049	1,297	10	315	972	13	520	37,067
FORT ERIE, T		25,495	441	2	99	340	2	154	
GRIMSBY, T		18,057	182	1	52	129	1	85	
LINCOLN, T		16,523	203	3	50	150	3	85	
NIAGARA ON THE LAKE, T		12,410	182	3	43	136	3	78	
NIAGARA FALLS, C		74,633	1,642	3	392	1,247	3	611	
PELHAM, T		13,319	138	-	41	97	-	63	
PORT COLBORNE, C		18,627	245	-	47	198	-	56	
ST CATHARINES, C		124,689	2,273	4	453	1,816	4	678	
THOROLD, C		17,542	222	3	52	167	4	90	
WAINFLEET, TP		6,040	54	-	10	44	-	14	
WELLAND, C		47,525	921	1	182	738	1	266	
WEST LINCOLN, TP		10,536	109	-	35	74	-	50	
PROVINCIAL HIGHWAY		-	1,491	8	396	1,087	9	686	
OTHER AREAS		-	457	2	98	357	2	135	
NIAGARA		385,396	8,560	30	1,950	6,580	32	3,051	266,373

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collsion: Total Collisions	Fatal	Personal Injury	Property Damage	Persons: Killed	Injured	Motor Vehicle Registrations
EAST FERRIS, TP		3,919	3	-	1	2	-	1	
MATTAWA, T		2,413	15	-	4	11	-	5	
NORTH BAY C	M	54,611	685	-	198	487	-	261	
STURGEON FALLS, T	M	5,952	81	1	14	66	1	18	
PROVINCIAL HIGHWAY		-	652	10	173	469	10	299	
OTHER AREAS		11,704	182	-	36	146	-	50	
NIPISSING		78,599	1,618	11	426	1,181	11	634	57,814
BRIGHTON, TP		3,285	2	-	1	1	-	2	
BRIGHTON, T		4,108	35	-	6	29	-	13	
CAMPBELLFORD, T		3,395	35	-	13	22	-	22	
COBOURG, T	M	14,643	246	-	66	180	-	84	
COLBORNE, VL		1,971	15	-	4	11	-	6	
CRAMAHE, TP		2,853	3	-	2	1	-	2	
HALDIMAND, TP		4,041	3	-	2	1	-	2	
HAMILTON, TP		9,211	11	1	4	6	1	10	
HOPE, TP		3,561	2	-	-	2	-	-	
MURRAY, TP		6,520	3	-	1	2	-	2	
PORT HOPE, T	M	11,198	114	-	20	94	-	24	
SEYMOUR, TP		4,036	3	-	2	1	-	2	
PROVINCIAL HIGHWAY		-	594	3	183	408	3	336	
OTHER AREAS		5,147	416	6	111	299	6	167	
NORTHUMBERLAND		73,969	1,482	10	415	1,057	10	672	52,727
CUMBERLAND, TP	39,520	222	-	50	172	-	87		
WEST CARLETON, TP		14,366	106	1	31	74	2	55	
GLOUCESTER, C	M	99,277	972	3	252	717	3	366	
GOULBOURN, TP		15,573	147	1	37	109	1	48	
RIDEAU, TP		11,426	138	1	31	106	1	61	
KANATA, C		35,866	500	1	117	382	1	169	
NEPEAN, C	M	105,582	1,671	9	374	1,288	9	562	
OSGOODE, TP		13,541	127	1	37	89	2	59	
OTTAWA, C	M	308,366	7,472	15	1,944	5,513	18	2,694	
ROCKCLIFFE PARK, VL		2,328	15	-	1	14	-	1	
VANIER, C		18,053	349	-	94	255	-	129	
PROVINCIAL HIGHWAY		-	1,665	14	446	1,205	15	701	
OTHER AREAS		-	882	3	173	706	3	249	
OTTAWA-CARLETON		663,898	14,266	49	3,587	10,630	55	5,181	383,859
INGERSOLL, T	M	8,935	118	-	24	94	-	37	
NORWICH, TP	M	9,991	23	-	5	18	-	6	
S WEST OXFORD, TP		8,283	9	-	4	5	-	8	
TILLSONBURG, T	M	11,718	173	-	40	133	-	52	
WOODSTOCK, C	M	29,029	666	2	189	475	2	275	
EAST ZORRA-TAVISTOCK, TP		7,081	3	-	-	3	-	-	
ZORRA, TP		8,057	2	-	1	1	-	2	
PROVINCIAL HIGHWAY		-	731	7	182	542	7	325	
OTHER AREAS		6,912	571	6	166	399	6	262	
OXFORD		90,006	2,296	15	611	1,670	15	967	68,443

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision: Total Collisions	Fatal	Personal Injury	Property Damage	Persons: Killed	Injured	Motor Vehicle Registrations
HIMSWORTH NORTH, TP		2,913	1	-	-	1	-	-	
MCDOUGALL, TP		1,995	1	-	-	1	-	-	
PERRY, TP		1,896	1	-	-	1	-	-	
PROVINCIAL HIGHWAY		-	687	18	167	502	21	303	
OTHER AREAS		25,720	418	1	92	325	1	150	
PARRY SOUND		32,524	1,108	19	259	830	22	453	34,310
BRAMPTON, C		217,892	3,595	7	797	2,791	7	1,190	
CALEDON, T		33,538	757	1	189	567	2	328	
MISSISSAUGA, C		434,093	7,124	14	1,440	5,670	16	2,220	
PROVINCIAL HIGHWAY		-	3,225	12	663	2,550	20	1,099	
OTHER AREAS		-	246	-	48	198	-	73	
PEEL		685,523	14,947	34	3,137	11,776	45	4,910	501,542
LISTOWEL, T	M	5,382	78	-	16	62	-	25	
MITCHELL, T		3,366	49	-	10	39	-	21	
ST MARYS, T	M	5,482	59	-	9	50	-	14	
STRATFORD, C	M	27,311	576	2	122	452	4	185	
PROVINCIAL HIGHWAY		-	286	4	87	195	6	172	
OTHER AREAS		27,709	373	3	105	265	3	196	
PERTH		69,250	1,421	9	349	1,063	13	613	47,791
BELMONT & METHUEN, TP		2,794	3	-	-	3	-	-	
DOURO, TP		3,514	2	-	1	1	-	1	
DUMMER, TP		2,634	2	-	2	-	-	3	
ENNISMORE, TP		4,124	1	-	1	-	-	2	
LAKEFIELD, VL		2,456	17	-	4	13	-	5	
OTONABEE, TP		4,977	1	-	-	1	-	-	
PETERBOROUGH, C	M	67,823	904	1	313	590	1	482	
SMITH, TP		8,504	2	-	-	2	-	-	
PROVINCIAL HIGHWAY		-	482	5	155	322	5	270	
OTHER AREAS		19,162	589	4	150	435	5	214	
PETERBOROUGH		115,988	2,003	10	626	1,367	11	977	81,817
ALFRED, TP		1,999	3	-	-	3	-	-	
HAWKESBURY, T	M	9,547	231	-	38	193	-	52	
E HAWKESBURY, TP		3,090	5	-	-	5	-	-	
W HAWKESBURY, TP		2,862	5	-	3	2	-	6	
LORIGNAL, VL		2,052	7	1	3	3	1	5	
PLANTAGENET NORTH, TP		3,003	2	-	1	1	-	1	
PLANTAGENET SOUTH, TP		1,650	2	-	-	2	-	-	
VANKLEEK HILL, T		1,940	8	-	3	5	-	4	(Veh. Reg.
PROVINCIAL HIGHWAY		-	179	1	54	124	1	89	includes
OTHER AREAS		5,432	225	1	77	147	1	105	Russell)
PRESCOTT		31,575	667	3	179	485	3	262	56,708
AMELIASBURG, TP		5,154	2	-	-	2	-	-	
HALLOWELL, TP		4,168	7	-	2	5	-	4	
HILLIER, TP		1,651	1	-	-	1	-	-	

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
PICTON, T		4,067	75	-	15	60	-	23	
SOPHIASBURGH, TP		1,954	2	-	1	1	-	1	
PROVINCIAL HIGHWAY		-	97	-	18	79	-	35	
OTHER AREAS		5,271	283	6	57	220	6	85	
PRINCE EDWARD		22,265	467	6	93	368	6	148	17,613
ATIKOKAN, TP	M	3,805	11	-	1	10	-	1	
FORT FRANCES, T	M	8,682	207	-	37	170	-	47	
PROVINCIAL HIGHWAY		-	288	2	56	230	2	94	
OTHER AREAS		6,316	134	1	24	109	1	28	
RAINY RIVER		18,803	640	3	118	519	3	170	17,578
ALICE & FRASER, TP		3,716	1	-	-	1	-	-	
ARNPRIOR, T		6,095	84	-	19	65	-	26	
DEEP RIVER, T	M	4,175	16	-	5	11	-	5	
MCNAB, TP		5,233	1	-	-	1	-	-	
PEMBROKE, C	M	13,379	330	-	76	254	-	104	
PEMBROKE, TP		13,379	4	-	-	4	-	-	
PETAWAWA, TP		8,145	3	-	-	3	-	-	
PETAWAWA, VL		5,291	13	-	5	8	-	7	
RENFREW, T	M	7,837	100	1	25	74	1	42	
WESTMEATH, TP		2,271	2	-	-	2	-	-	
WILBERFORCE, TP		1,684	3	-	-	3	-	-	
PROVINCIAL HIGHWAY		-	558	8	152	398	8	288	
OTHER AREAS		16,130	635	4	162	469	4	243	
RENFREW		87,335	1,750	13	444	1,293	13	715	67,693
CASSELMAN, VL		2,341	23	-	4	19	-	4	
CLARENCE, TP		8,834	5	-	-	5	-	-	
ROCKLAND, T		6,448	61	-	12	49	-	15	
RUSSELL, TP		10,416	1	-	-	1	-	-	
PROVINCIAL HIGHWAY		-	153	2	30	121	2	58	(Veh. Reg.
OTHER AREAS		5,641	336	4	66	266	6	103	included in
RUSSELL		33,680	579	6	112	461	8	180	Prescott)
ADJALA, TP		4,356	1	-	-	1	-	-	
BARRIE, C	M	60,870	1,376	-	311	1,065	-	465	
BRADFORD W GWILLIMBURY, T	M	16,585	214	1	49	164	1	73	
COLLINGWOOD, T	M	12,667	343	-	73	270	-	106	
ELMVALE, VL		1,691	17	-	2	15	-	2	
ESSA, TP		13,142	4	-	1	3	-	1	
FLOS, TP		2,898	2	-	-	2	-	-	
W GWILLIMBURY, T		16,585	8	-	1	7	-	2	
INNISFIL, T	M	20,618	177	2	44	131	3	76	
MEDONTE, TP		5,581	1	-	-	1	-	-	
MIDLAND, T	M	13,114	309	1	81	227	1	115	
NEW TECUMSETH, T		19,282	189	-	41	148	-	69	
ORILLIA, C	M	24,062	464	-	104	360	-	141	
PENETANGUISHENE, T	M	6,051	94	-	18	76	-	26	

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
PORT MCNICOLL, VL		2,046	7	-	-	7	-	-	
STAYNER, T		3,713	29	1	6	22	1	17	
SUNNIDALE, TP		2,718	1	-	-	1	-	-	
TAY, TP		6,289	8	-	1	7	-	5	
TINY, TP		8,552	7	-	3	4	-	6	
TOSORONTIO, TP		4,011	2	-	1	1	-	1	
WASAGA BEACH, T		5,798	132	-	40	92	-	69	
PROVINCIAL HIGHWAY		-	2,064	9	511	1,544	16	944	
OTHER AREAS		23,733	1,593	17	422	1,154	18	669	
SIMCOE		274,362	7,042	31	1,709	5,302	40	2,787	224,084
CORNWALL, C	M	46,619	1,051	1	272	778	1	401	(Veh. Reg.
PROVINCIAL HIGHWAY		-	245	1	67	177	1	103	incl. Dundas
OTHER AREAS		16,791	166	3	37	126	3	52	& Glengarry)
STORMONT		63,410	1,462	5	376	1,081	5	556	72,385
CAPREOL, T		3,684	25	1	4	20	1	5	
ESPANOLA, T	M	5,312	44	-	12	32	-	19	
NICKEL CENTRE, T		11,815	80	-	21	59	-	31	
ONAPING FALLS, T		5,303	11	-	3	8	-	3	
RAYSIDE-BALFOUR, T		14,606	126	1	33	92	1	50	
SUDBURY, C	M	90,402	2,035	7	479	1,549	7	690	
VALLEY EAST, T		21,149	196	2	75	119	2	121	
WALDEN, T		9,411	80	2	26	52	2	33	
PROVINCIAL HIGHWAY		-	823	10	267	546	11	489	
OTHER AREAS		11,799	422	2	119	301	2	176	
SUDBURY		173,481	3,842	25	1,039	2,778	26	1,617	128,851
GERALDTON, T		2,461	30	-	3	27	-	4	
LONGLAC, T		1,925	22	-	3	19	-	3	
MANITOUWADGE, TP		3,719	25	-	4	21	-	5	
MARATHON, T	M	4,838	28	-	3	25	-	5	
NIPIGON, TP		2,253	7	-	3	4	-	7	
OLIVER, TP		2,376	1	-	-	1	-	-	
PAIPOONGE, TP		2,866	2	-	1	1	-	1	
SCHREIBER, TP		1,865	5	-	-	5	-	-	
TERRACE BAY, TP	M	2,430	8	-	-	8	-	-	
THUNDER BAY, C	M	110,289	2,325	4	536	1,785	4	743	
PROVINCIAL HIGHWAY		-	1,104	10	271	823	10	422	
OTHER AREAS		7,334	288	2	59	227	2	78	
THUNDER BAY		142,356	3,845	16	883	2,946	16	1,268	118,074
ENGLEHART, T		1,702	14	-	1	13	-	1	
HAILEYBURY, T		4,819	37	-	2	35	-	3	
KIRKLAND LAKE, T	M	10,638	126	-	24	102	-	33	
NEW LISKEARD, T	M	5,406	114	-	20	94	-	30	
PROVINCIAL HIGHWAY		-	382	5	95	282	5	156	
OTHER AREAS		12,667	133	-	40	93	-	66	
TIMISKAMING		35,232	806	5	182	619	5	289	27,873

Table 4.1 Continued

Location		Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
EAST YORK, BOROUGH		97,250	669	-	200	469	-	284	
ETOBICOKE, C		295,915	4,694	10	1,656	3,028	10	2,478	
NORTH YORK, C		541,796	11,689	20	3,955	7,714	22	6,233	
SCARBOROUGH, C		485,240	9,892	18	3,100	6,774	28	4,848	
TORONTO, C		598,939	20,046	19	6,193	13,834	22	8,809	
YORK, C		132,290	773	-	234	539	-	331	
PROVINCIAL HIGHWAY		-	8,326	6	2,022	6,298	6	3,148	
TORONTO, METRO	M	2,151,430	56,089	73	17,360	38,656	88	26,131	1,097,752
BOBCAYGEON, VL		2,327	12	-	2	10	-	3	
ELDON, TP		2,731	4	-	2	2	-	2	
EMILY, TP		6,110	5	-	2	3	-	2	
FENELON, TP		5,493	2	-	1	1	-	1	
FENELON FALLS, VL		1,799	17	-	4	13	-	6	
LINDSAY, T	M	16,206	322	-	76	246	-	112	
MANVERS, TP		5,006	3	-	1	2	-	2	
MARIPOSA, TP		6,568	10	-	5	5	-	6	
VERULAM, TP		3,689	8	-	1	7	-	3	
PROVINCIAL HIGHWAY		-	496	10	143	343	11	258	
OTHER AREAS		10,848	549	6	153	390	7	260	
VICTORIA		60,777	1,428	16	390	1,022	18	655	50,233
NORTH DUMFRIES, TP		6,541	136	1	37	98	1	70	
CAMBRIDGE, C		89,953	2,091	3	485	1,603	3	737	
KITCHENER, C		163,923	3,759	8	814	2,937	9	1,190	
WATERLOO, C		72,062	1,689	4	364	1,321	4	562	
WELLESLEY, TP		8,021	37	-	10	27	-	16	
WILMOT, TP		12,699	118	1	25	92	2	53	
WOOLWICH, TP		17,131	212	2	44	166	2	77	
PROVINCIAL HIGHWAY		-	1,029	6	253	770	6	395	
OTHER AREAS		-	376	-	80	296	-	126	
WATERLOO		370,330	9,447	25	2,112	7,310	27	3,226	246,656
ARTHUR, VL		2,033	1	-	-	1	-	-	
ELORA, VL		3,119	19	-	5	14	-	7	
ERAMOSA, TP		5,789	33	-	5	28	-	6	
ERIN, TP		7,263	4	-	1	3	-	2	
ERIN, VL		2,400	23	-	3	20	-	4	
FERGUS, T	M	7,657	94	-	26	68	-	37	
WEST GARAFRAXA, TP		3,147	2	-	1	1	-	1	
GUELPH, C	M	85,625	1,273	3	433	837	3	655	
GUELPH, TP		3,122	4	-	2	2	-	2	
HARRISTON, T	M	1,946	29	-	2	27	-	2	
MARYBOROUGH, TP		2,565	4	-	-	4	-	-	
MINTO, TP		3,907	1	-	1	-	-	1	
MOUNT FOREST, T		2,297	60	-	8	52	-	11	
PALMERSTON, T	M	2,273	7	-	1	6	-	4	

Table 4.1 Continued

Location	Estimated Population (1991)*	Class of Collision Total Collisions	Fatal	Personal Injury	Property Damage	Persons Killed	Injured	Motor Vehicle Registrations
PEEL, TP	4,238	7	-	2	5	-	4	
PUSLINCH, TP	4,843	3	-	-	3	-	-	
PROVINCIAL HIGHWAY	-	899	7	241	651	7	405	
OTHER AREAS	11,885	911	8	226	677	14	402	
WELLINGTON	154,109	3,374	18	957	2,399	24	1,543	110,514
ANCASTER, T	22,107	208	2	81	125	2	123	
DUNDAS, T	21,632	197	-	65	132	-	92	
FLAMBOROUGH, T	29,281	185	1	74	110	1	105	
GLANBROOK, TP	9,691	70	-	27	43	-	37	
HAMILTON, C	316,897	4,845	12	1,717	3,116	13	2,461	
STONEY CREEK, C	49,204	401	-	157	244	-	243	
PROVINCIAL HIGHWAY	-	1,340	15	389	936	18	670	
OTHER AREAS	-	91	-	26	65	-	46	
HAMILTON-WENTWORTH	448,812	7,337	30	2,536	4,771	34	3,777	266,193
AURORA, T	27,840	368	1	80	287	1	144	
GEORGINA, T	27,838	281	3	63	215	3	103	
E GWILLIMBURY, T	17,346	298	4	78	216	6	137	
KING, TP	17,444	247	2	49	196	2	74	
MARKHAM, T	145,325	2,160	3	379	1,778	3	596	
NEWMARKET, T	42,932	608	-	106	502	-	161	
RICHMOND HILL, T	74,007	973	2	165	806	2	243	
VAUGHAN, C	106,460	1,707	7	334	1,366	9	514	
WHITCHURCH STOUFFVILLE , T	17,403	244	3	51	190	3	97	
PROVINCIAL HIGHWAY	-	3,585	18	790	2,777	21	1,321	
OTHER AREAS	-	456	1	96	359	1	139	
YORK	476,595	10,927	44	2,191	8,692	51	3,529	371,979

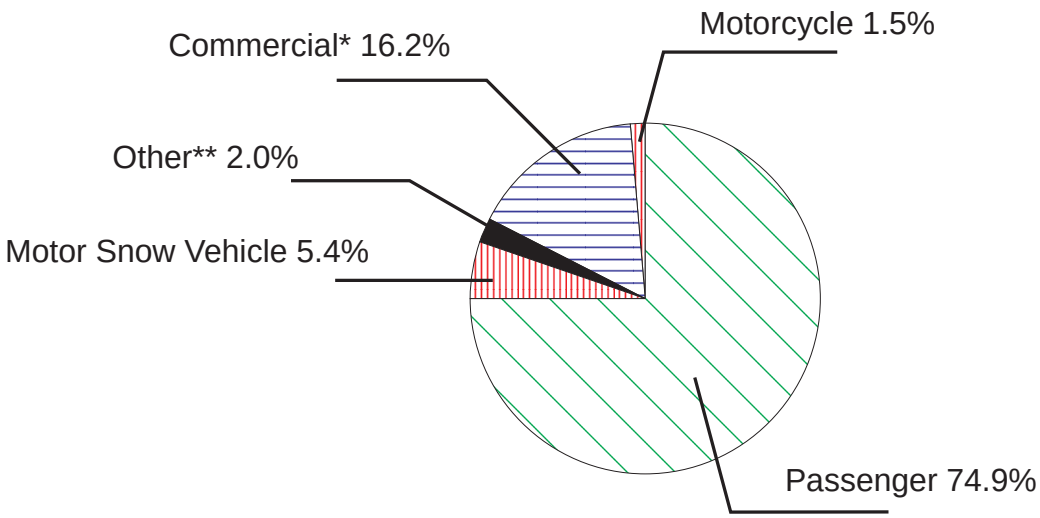
Legend

T	town	Other Areas -	Jurisdictions	M	Muncipal Police Force
C	city		with less than		
VL	village		1,500 population		
TP	township				

* Source: Ontario Ministry of Municipal Affairs Municipal Directory 1991.
Population data in this table refers to persons residing in a municipality on a permanent basis.
The method used in determining the population is different from previous methods used.

5 The Vehicle

Vehicle Population by Vehicle Class in Ontario - 1995



* Excludes Single Application Vehicle Registration (SAVR).
** Other - includes mopeds, buses, and off-road vehicles.

Does not add to 100 per cent due to rounding.

5a. Vehicles in Collisions

Table 5.1 Type of Vehicle Involved inAll Collisions 1995

Type of Vehicle	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Passenger Car	901	80,345	211,194	292,440
Passenger Car & Trailer	3	126	431	560
Truck	384	20,936	64,937	86,257
Truck & Trailer	17	470	1,729	2,216
Tractor & Semi-trailer	111	1,284	4,784	6,179
Motorcycle	42	1,469	491	2,002
Bus	4	668	1,694	2,366
School Bus/Vehicle	3	255	961	1,219
Other - Or Not Known	5	981	7,093	8,079
Non Motor Vehicle	45	3,509	1,478	5,032
Total	1,515	110,043	294,792	406,350

In 1988, major revisions were made in the recording of motor vehicle collision data. The above table now reflects a consolidation of various types of vehicles and/or trailers. Therefore, valid conclusions cannot be made when comparing these data to that of the years previous to 1988.

Table 5.2 Condition of Vehicle by Class of Collision 1995

Condition of Vehicle	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
No Apparent Defect	1,399	104,389	273,600	379,388
Service Brakes Defective	8	173	289	470
Steering Defective	-	17	34	51
Tire Puncture or Blow Out	-	88	222	310
Tire Tread Insufficient	1	54	77	132
Headlamps Defective	-	6	18	24
Other Lamps or Reflectors Defective	-	33	58	91
Engine Controls Defective	1	16	42	59
Wheels or Suspension Defective	-	24	85	109
Vision Obscured	-	9	23	32
Trailer Hitch Defective	-	4	19	23
Other Defects	46	734	2,047	2,827
Unknown	60	4,496	18,278	22,834
Total	1,515	110,043	294,792	406,350

Table 5.3 Model Year of Vehicle by Class of Collision 1995

Model Year of Vehicle	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
1996	5	291	872	1,168
1995	95	6,083	17,410	23,588
1994	105	7,424	21,500	29,029
1993	111	7,417	21,184	28,712
1992	115	7,564	21,665	29,344
1991	85	7,587	21,147	28,819
1990	99	8,355	22,967	31,421
1989	136	9,528	26,298	35,962
1988	131	10,172	26,561	36,864
1987	124	8,598	22,372	31,094
1986 and earlier	469	30,866	77,655	108,990
Unknown	40	6,159	15,161	21,360
Total	1,515	110,044	294,792	406,351

Table 5.4 Insurance Status of Vehicle by Class of Collision 1995

Insurance	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
Insured	1,367	100,183	272,584	374,134
Not Insured	73	3,265	4,751	8,089
Unknown	75	6,595	17,457	24,127
Total	1,515	110,043	294,792	406,350

5b. Putting the Vehicle in Context

Table 5.5 Vehicle Population by Type of Vehicle 1995

Vehicle Class	
Passenger	5,098,113
Motorcycle	100,322
Moped	3,350
Commercial*	1,062,493
Bus	19,069
School Bus	9,036
Motorized Snow Vehicle	365,795
Off-Road Vehicle	106,677
Road Building Machinery	764
Permanent Apparatus	3,446
Farm Trucks	33,982
Total	6,803,047

* Excludes Single Application Vehicle Registrations (SAVR - 25,469 vehicles).

Table 5.6 Selected Types of Vehicles by Model Year 1995

Vehicle Class	Model Years											
	96	95	94	93	92	91	90	89	88	87	86+	Total
Passenger	69,235	351,800	345,717	362,253	390,675	377,405	399,666	434,322	446,065	393,774	1,527,201	5,098,113
Motorcycle	371	2,646	3,000	3,292	2,702	2,429	2,681	2,821	3,086	3,201	74,093	100,322
Moped	2	4	7	14	4	21	21	26	9	40	3,202	3,350
Commercial*	11,144	70,774	69,368	56,493	57,619	58,676	79,870	98,629	110,966	84,377	402,805	1,100,721
Bus	168	2,019	1,470	1,641	2,118	2,254	2,691	2,764	2,803	2,506	7,741	28,175
Motorized Snow Vehicle	11,501	15,023	15,287	13,207	10,490	14,739	16,198	15,888	13,754	10,913	228,795	365,795
Off-Road Vehicle	883	4,475	4,160	5,108	4,862	4,930	5,757	4,691	4,115	7,647	60,049	106,677
Total	93,304	446,741	439,009	442,008	468,470	460,454	506,884	559,141	580,798	502,458	2,303,886	6,803,153

* Includes Commercial, Road Building Machinery, Permanent Apparatus Vehicles, and Farm Trucks. Excludes Single Application Vehicle Registrations (SAVR - 25,469 vehicles).

Table 5.7 Vehicle Damage Level 1995

Damage	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
None	62	10,318	17,725	28,105
Light	149	30,017	123,158	153,324
Moderate	152	28,947	99,125	128,224
Severe	258	23,616	29,710	53,584
Demolished	829	11,673	5,458	17,960
Unknown	65	5,472	19,616	25,153
Total	1,515	110,043	294,792	406,350

Vehicle Damage

None — No visible damage.

Light — Slight or superficial damage. Includes scratches, small dents, and minor cracks in glass, that do not affect safety or performance of vehicle.

Moderate — Unsafe conditions result from damage. Vehicle must be repaired to make its condition meet the requirements of the law. Vehicle can be driven off road or a limited distance, but doing so would be unsafe.

Severe — Vehicle cannot be driven. Requires towing. Would normally be repaired.

Demolished — Vehicle damaged to the extent that repairs would not be acceptable.

6 Vehicles of Special Interest

6a. Motorcycles

Table 6.1 Motorcyclists* Killed and Injured 1991-1995

Year	Drivers		Passengers	
	Killed	Injured	Killed	Injured
1991	55	2,183	9	487
1992	55	1,814	6	404
1993	54	1,706	5	398
1994	50	1,526	4	324
1995	37	1,309	4	289

* Excludes moped drivers and passengers.

Table 6.2 Selected Factors Relevant to Fatal Motorcycle Collisions 1995

Factors	%
Unlicensed Motorcycle Drivers	14
Under 25 years Old	45
Alcohol Used	
Ability Impaired Alcohol > .08	12
Had Been Drinking	14
Unknown	17
Helmet Not Worn (Fatalities)	19
Motorcycle Driver Error	
Speed Too Fast/Lost Control	60
Other Error	17
Single Vehicle Collisions	35
Day	68
Weekend	20

6b. School Vehicles

Table 6.3 Pupils Transported Daily, Total Collisions and Injury Rate per 100,000 Pupils - School Years 1990/91-1994/95

School Year	Pupils Transported Daily	Total Number of Collisions	Injury Rate per 100,000 Pupils	
			Fatals	Non-Fatal
1990/91	789,963	1,315	0.4	32
1991/92	794,941	1,194	0.2	18
1992/93	796,347	1,174	-	20
1993/94	798,926	1,293	0.4	27
1994/95	816,273	1,018	0.1	21

Table 6.4 School Vehicle Type by Nature of Collision 1994/95

School Vehicle Type	Nature of Collision				Total Number of Collisions	Five Year Total (1990/91 1994/95)
	Fatal	Pupil Injury	Non-Pupil Injury	Property Damage		
School Bus	6	76	135	676	893	5,132
School Van	-	7	14	80	101	717
Other School Vehicles	-	-	4	20	24	145
Total	6	83	153	776	1,018	5,994

Table 6.5 Pupil Injury by Collision Event and Vehicle Type 1994/95

School Vehicle Type	Collision Event						Total		Five Year Total (1990/91 1994/95)	
	Crossing Road		Within School Vehicle		Other					
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
School Bus	-	1	1	162	-	4	1	167	8	872
School Van	-	-	-	5	-	2	-	7	-	66
Other School Vehicles	-	-	-	-	-	-	-	-	-	17
Total	-	1	1	167	-	6	1	174	8	955

6c. Trucks

Table 6.6 Class of Truck Collision 1991-1995

Year	Class of Collision			Total
		Personal	Property	
	Fatal	Injury	Damage	
1991	389	13,843	41,694	55,926
1992	361	13,563	43,330	57,254
1993	419	13,312	42,915	56,646
1994	326	13,335	43,906	57,567
1995	365	12,647	40,487	53,499
Total	1,860	66,700	212,332	280,892

Table 6.7 Driver Licence Class Required by Class of Truck Collision 1995

Driver Licence	Class of Collision			Total
Required		Personal	Property	
	Fatal	Injury	Damage	
G	212	10,624	33,199	44,035
D	36	609	2,371	3,016
A*	117	1,414	4,917	6,448
Total	365	12,647	40,487	53,499

* Includes truck/trailer combinations requiring a Class “A” licence.

Table 6.8 Driver Licence Class Required - Collisions, Registered Trucks and Collision Rate 1995

Driver Licence	Collisions	Registered		Collision
Required		Vehicles		Rate
G	44,035	960,145		4.6
D	3,016	53,863		5.6
A*	6,448	112,182	**	5.7
Total	53,499	1,126,190		4.8

* Tractor/trailer combination only.

** Includes vehicles registered under SAVR - 25,469.

Data for truck/trailer combinations requiring Class “A” driver licence are not reported separately in the Vehicle Registration System.

Table 6.9 Selected Factors Relevant to Fatal Truck Collisions 1995

	Driver Licence Required		
Factors	Class G	Class D	ClassA
Driver Condition in Fatal Collisions:			
Alcohol Involved	24.1%	0.0%	1.7%
Driving Properly	41.0%	72.2%	63.2%
Single Vehicle	31.1%	11.1%	21.4%
Vehicle Defect Present*	2.4%	8.3%	7.7%
Urban Area	28.8%	33.3%	13.7%
Daylight	59.9%	72.2%	54.7%

* Excludes unknown category.

Class G trucks refers to trucks that have a gross weight less than 11,000 kilograms i.e. pickups.

6d. Off-Road Vehicles

Table 6.10 Collision Location by Off-Road Vehicle Drivers Killed and Injured 1991-1995

Location	Killed					Injured				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
On-Highway	4	-	3	3	-	34	36	22	22	23
Off-Highway	5	2	2	3	6	139	67	68	63	74
Total	9	2	5	6	6	173	103	90	85	97

Table 6.11 Collision Location by Off-Road Vehicle Passengers Killed and Injured 1991-1995

Location	Killed					Injured				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
On-Highway	1	-	1	-	-	9	9	4	6	5
Off-Highway	-	2	-	-	-	44	17	17	23	23
Total	1	2	1	-	-	53	26	21	29	28

Table 6.12 Registered Off-Road Vehicle 1991-1995

Year	Vehicles Registered
1991	86,259
1992	92,020
1993	97,104
1994	101,954
1995	106,677

Table 6.13 Selected Factors Relevant to All Off-Road Vehicle Collisions 1995

Factors	%
Drivers Under 25 Years of Age	60
Alcohol Used	20
Speeding	24
Helmet Not Worn	54
Daytime	75
Two-Wheeled	21
Three-Wheeled	16
Four-Wheeled	63

For the purposes of this publication, off-road vehicles include dune buggies, off-road motorcycles (dirt bikes), and three and four wheeled all-terrain vehicles. Off-road vehicles were first required to be registered on June 1, 1984.

6e. Motorized Snow Vehicles

Table 6.14 Collision Location by Motorized Snow Vehicle Drivers Killed and Injured - Riding Seasons 1990/91-1994/95

Location	Killed					Injured				
	90/91	91/92	92/93	93/94	94/95	90/91	91/92	92/93	93/94	94/95
On-Highway	5	1	3	2	6	37	61	37	62	36
Off-Highway	24	11	22	9	22	279	195	121	237	243
Total	29	12	25	11	28	316	256	158	299	279
% On-Highway	17	8	12	18	21	12	24	23	21	13

Table 6.15 Collision Location by Motorized Snow Vehicle Passengers Killed and Injured - Riding Seasons 1990/91-1994/95

Location	Killed					Injured				
	90/91	91/92	92/93	93/94	94/95	90/91	91/92	92/93	93/94	94/95
On-Highway	1	1	-	1	-	7	29	16	25	17
Off-Highway	7	4	2	3	2	98	97	82	63	62
Total	8	5	2	4	2	105	126	98	88	79

Table 6.16 Registered Motorized Snow Vehicles 1991-1995

Year	Registered Motorized Snow Vehicles 1991-1995
1991	346,932
1992	366,730
1993	383,083
1994	391,847
1995	365,795

Table 6.17 All Motorized Snow Vehicle Collisions 1994/95

Factors	%
Unlicensed Operators	11
Rider Error; Speed too Fast	35
Alcohol Used	24
Surface Condition; Icy or Packed Snow	47

6f. Bicycles

Table 6.18 Bicyclists* Killed and Injured 1991-1995

	Drivers		Passengers	
Year	Killed	Injured	Killed	Injured
1991	27	3,797	-	178
1992	27	3,333	-	168
1993	31	3,290	-	123
1994	27	3,283	-	107
1995	19	2,983	-	105

Table 6.20 Selected Factors Relevant to All Bicycle Collisions* 1995

Factors	%
Driving Properly (Bicyclist)	41
Driving Properly (Motor Vehicle Driver)	49
Intersection Related	63
Going Ahead (Bicyclist)	81
Alcohol Related (Bicyclist)	3
No Apparent Vehicle Defect (Bicycle)	90
Clear Visibility	92
Weekend	20

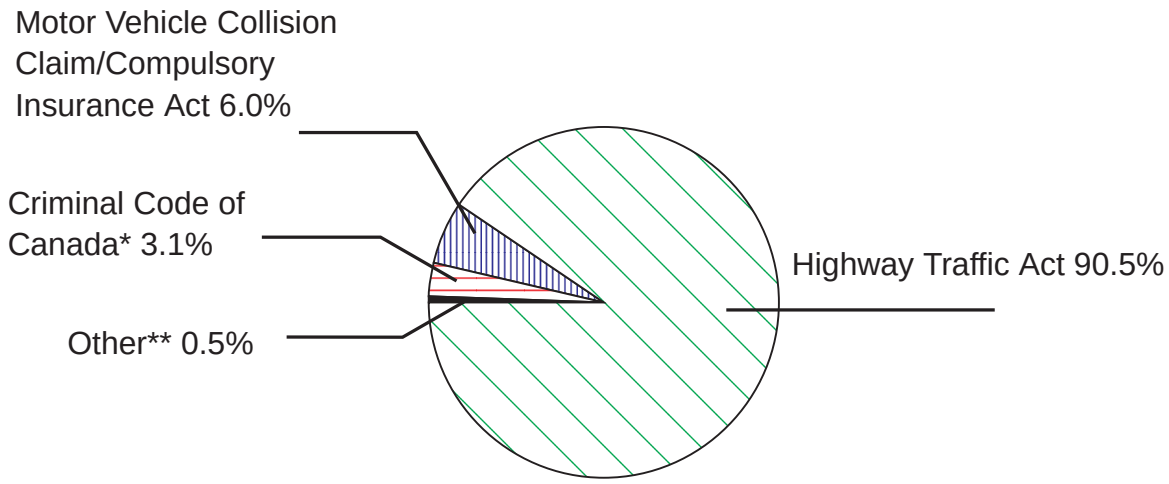
Table 6.19 Age of Bicyclist* Involved in Collisions by Light Condition 1995

Light	Age Groups						
Condition	0 - 5	6 - 15	16 - 30	31 - 60	61+	UK	Total
Daylight	245	1,023	941	658	81	51	2,999
Dawn	1	2	4	8	-	1	16
Dusk	10	53	43	19	3	1	129
Dark	36	62	199	105	5	9	416
Total	292	1,140	1,187	790	89	62	3,560

* Only collisions involving a bicycle and a motor vehicle or a streetcar are required to be reported. These tables do not include bicycle only bicycle/bicycle or bicycle/pedestrian collisions.

7 Conviction and Suspension Data

Per Cent of Motor Vehicle Convictions in Ontario - 1995



* This figure does not include convictions for young offenders under the Criminal Code.
** Includes Municipal By-Law, Motorized Snow Vehicles Act, Off-Road Vehicles Act convictions and H.T.A Regulation convictions.

Does not add to 100 per cent due to rounding.

7a. Conviction Data

Table 7.1 Summary of Motor Vehicle Related Convictions 1995

Convictions	Number
Highway Traffic Act	784,888
Regulation H.T.A.	1,916
Criminal Code of Canada*	26,894
Municipal By-Law	752
Motor Vehicle Collision Claim/Compulsory Insurance Act**	51,905
Motorized Snow Vehicles Act	846
Off-Road Vehicles Act	552
Total	867,753

* This figure does not include 339 convictions for young offenders under the Criminal Code.

Table 7.2 Motor Vehicle Convictions Related to the Highway Traffic Act 1995

Convictions	Number
Equipment	14,253
Administrative*	83,583
Seat Belt (Driver & Passenger)	53,490
Other Non-Pointable Convictions**	7,977
Speeding (< 16km/h, non-pointable)	259,192
Pointable Speeding	194,683
Other Pointable Convictions (2 - 4 pt)	118,910
Other Pointable Convictions (5 - 7 pt)	9,326
Driving While Suspended	11,092
Total	752,506

* Non-moving, weight, vehicle registration, licence renewal, etc.

** Now includes some out of province convictions.

Table 7.3 Motor Vehicle Convictions Related to the Criminal Code 1995*

Convictions	Number
Alcohol Related**	22,515
Criminal Negligence	34
Fail to Remain at Collision	755
Driving While Disqualified	2,428
Dangerous Driving	1,162
Motor Manslaughter	-
Total	26,894

* Does not include 339 convictions for young offenders.

** Includes some out of province convictions.

7b. Suspension Data

Table 7.4 Mandatory Suspensions Related to Criminal Code Convictions Issued 1995

Suspensions	3 Months	6 Months	1 Year	2 Years	3 Years	Total
Criminal Negligence (sect. 220, 221)	-	-	9	15	12	36
Fail to Remain	-	-	317	266	163	746
Dangerous Driving	-	-	418	428	296	1,142
Impaired Driving	-	-	3,772	5,348	3,185	12,305
Blood/Alcohol Over .08	-	-	2,731	3,756	2,179	8,666
Failure to Provide Breath Sample	-	-	511	588	338	1,437
Failure to Provide Roadside Breath Sample	-	-	-	-	-	-
Drive while Disqualified or Prohibited	-	435	1,059	595	346	2,435
Total	-	435	8,817	10,996	6,519	26,767

Federal and provincial laws relating to drinking and driving were amended December 20, 1985. The current minimum suspension periods are 1 year for a first conviction, 2 years for a second conviction within five years and 3 years for a third conviction within five years.

Table 7.5 Mandatory Suspensions Related to Criminal Code Convictions at Year End 1995**

Suspensions	3 Months	6 Months	1 Year	2 Years	3 Years	Total
Criminal Negligence	-	1	29	41	23	94
Fail to Remain	-	-	387	466	292	1,145
Dangerous Driving	-	-	612	792	548	1,952
Impaired Driving	-	-	5,021	8,190	5,287	18,498
Blood/Alcohol Over .08	-	-	3,195	5,135	3,049	11,379
Failure to Provide Breath Sample	-	-	634	974	618	2,226
Failure to Provide Roadside Breath Sample	-	-	-	-	-	-
Drive while Disqualified or Prohibited	-	-	3,152	3,221	395	6,768
Total	-	1	13,030	18,819	10,212	42,062

** This table reflects the suspensions in effect at year end. The total exceeds the number of suspensions issued in 1995 due to the fact some suspensions are in effect for more than one year.

Table 7.6 Demerit Point Suspensions by Driver Age 1995

Driver Age	Demerit Point Suspensions				
		Novice	Novice	Regular	Regular
		First	Second	First	Second
	Probationary	Accumulation	Accumulation	Accumulation	Accumulation
16	5	5	-	-	-
17	704	52	-	-	-
18	1,382	36	-	-	-
19	679	23	2	30	1
20-24	1,454	82	2	382	17
25-34	1,006	81	4	378	34
35-44	253	22	2	142	11
45-54	71	4	-	61	4
55-64	11	3	-	18	-
65-74	2	1	-	4	-
75 +	1	-	-	2	-
Total	5,568	309	10	1,017	67

Newly licensed drivers are covered by the probationary licence system until they have successfully completed two one-year periods of suspension-free driving. Probationary drivers are suspended for 30 days after accumulating 6 or more demerit points. The probationary licensing system ended on March 31, 1994. These drivers are those who were grandfathered into the system. This system was replaced by the new graduated licensing system.

Novice drivers are under the new graduated licensing system. These drivers are subject to escalating actions from a warning letter at 2 to 5 points, an interview at 6 to 8 points and a 60 day suspension for a first accumulation of 9 points. After a first suspension, the points are reduced to 4 and if they attain 9 points again the subsequent suspension is 6 months.

Regular drivers are suspended for 30 days on the first accumulation of 15 demerit points and are suspended for 6 months on the second accumulation of 15 points within 2 years.

8 Appendix

8a. Glossary

Ability Impaired Alcohol:
Driving while one's ability is impaired by alcohol or driving with a blood alcohol concentration exceeding 80 milligrams in 100 millilitres of blood.

Alcohol Involved:
This category includes both drivers reported as ability impaired by alcohol and drivers reported as "had been drinking".

Class G1 Driver's Licence:
A holder of a Class G1 driver's licence:

- must have a zero blood alcohol content while driving.
- must have only one passenger in the front seat. That person, the accompanying driver, must be a fully licensed driver (Class A,B,C,D,E F and G) with at least four years driving experience. That person's blood alcohol content must be less than .05.
- unless accompanied by a licensed driving instructor, must not drive on Ontario's "400-series" highways or on high speed expressways such as the Queen Elizabeth Way, the Don Valley Parkway, E.C. Row Expressway and the Conestoga Parkway.
- must limit the number of backseat passengers they carry to the number of seat belts in the backseats of the vehicle.
- must not drive between the hours of midnight and 5 a.m.
- may drive Class G vehicle only.

Level One lasts 12 months, but that time can be reduced to eight months by completing an approved driver education course. For information about approved courses you may contact any Ministry of Transportation licensing office. At the end of this level, drivers must pass a road test before proceeding to Level Two.

Class G2 Driver's Licence:
A holder of a Class G2 driver's licence:

- must have a zero blood alcohol content while driving.
- is allowed to drive any motor vehicle that requires a Class G driver's licence (e.g. an automobile) on the road.
- must limit the number of backseat passengers they carry to the number of seat belts in the backseats of the vehicle.

Level Two lasts 12 months. After completing this level, drivers will be eligible to take a comprehensive test to qualify for full licence privileges.

Class M1 Motorcycle Driver's Licence:
A holder of a Class M1 motorcycle driver's licence:

- allows the holder to operate a motorcycle for the purposes of training.
- must have a zero blood alcohol content while driving.
- is only allowed to drive during daylight hours (one-half hour before sunrise to one-half hours after sunset).
- is only allowed to drive on roads with speed limits of 80 km/h or less, except where there is no other route you can drive. You may drive on highways 11, 17, 61, 69, 71, 101, 102, 144, and 655.
- may not carry passengers.

Level One lasts at least 60 days, and the licence is valid for 90 days. Level One drivers must pass a motorcycle road test before proceeding to Level Two. Alternatively, during Level One they may take an approved motorcycle safety course that includes a road test, instead of the ministry road test.

Class M2 Motorcycle Driver's Licence:
A holder of a Class M2 motorcycle driver's licence:

- must have a zero blood alcohol content while driving.

After completing level Two, drivers will be eligible to take a comprehensive test to qualify for full licence privileges.

Conviction:
Awarded when a person pleads guilty to, or is found guilty of, an offence related to a motor vehicle under any Act of the Ontario Legislature or its accompanying regulations, under the Parliament of Canada or any accompanying order, or under any municipal by-law.

Driver:
Unless specified otherwise, any person, whether licensed or not, considered to be in care and control of a vehicle at the time of an collision.

Fatal Collision:
A motor vehicle collision in which at least one person sustains bodily injuries resulting in death. Prior to January 1, 1982, fatal collision statistics included deaths attributed to accidental injuries up to one year after the collision. Since that date, only deaths from injuries within thirty days of the collision have been included .

Had Been Drinking:
Driving after having drunk an amount of alcohol not considered sufficient to be legally impaired or with a measured blood alcohol count of greater than zero but less than 80 milligrams. Blood alcohol concentration between .05 and .08 results in a 12 hour suspension.

Highway:
A common and public highway, street, avenue etc., any part of which is intended for public use or used by the general public for the passage of vehicles and including the area between the property lines.

Kilometres Traveled:
Vehicle fleet mileage is estimated on the basis of taxed gasoline and motor fuel sales. Total litres sold are converted to kilometres traveled based on a conversion factor of 22.0 kilometres per gallon.

Major Injury:
A non-fatal injury severe enough to require that the injured person be admitted to hospital, even if for observation only.

Minimal Injury:
A non-fatal injury, including minor abrasions and bruises, which does not necessitate the injured person going to a hospital.

Minor Injury:
A non-fatal injury requiring medical treatment at a hospital emergency room, but not requiring hospitalization of the involved person.

Motor Vehicle Collision:
Any incident in which bodily injury or damage to property is sustained as a result of the movement of a motor vehicle, or of its load while a motor vehicle is in motion.

Off-Highway Collisions:
An off-highway collision involving any of the motorized vehicles which are covered by legislation under the Highway Traffic Act, the Motorized Snow Vehicles Act, and the Off-Road Vehicles Act.

On-Highway Collisions:
A motor vehicle collision which occurs on the highway between the property lines.

Pedestrian:
Any person not riding in or on a vehicle involved in a motor vehicle collision.

Personal Injury Collision:
A motor vehicle collision in which at least one person involved sustains bodily injuries not resulting in death.

Property Damage Collision:
A motor vehicle collision in which no person sustains bodily injury, but in which there is damage to any public property or damage to private property* including damage to the motor vehicle or its load.

Reportable Collision:
Any fatal or injury collision, or any collision in which there is any damage to public property or damage to private property in excess of a monetary value prescribed in law.*

Suspension:
Withdrawal of a drivers privilege to operate motor vehicle for a prescribed period of time.

* The minimum reportable level for property damage only collision rose from $200 to $400 on January 1, 1978 and rose again to $700 on January 1, 1985.

ISSN # 0832-8269