ONTARIO ROAD SAFETY

Annual Report 2017

Ontario

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ONTARIO ROAD SAFETY ANNUAL REPORT 2017

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The Ministry of Transportation's *Official Driver's Handbook* is available online at www.mto.gov.on.ca/english/publications/handbooks.shtml. You can also purchase hardcopies at DriveTest Centres, and at various department stores, automotive retail outlets and book stores.

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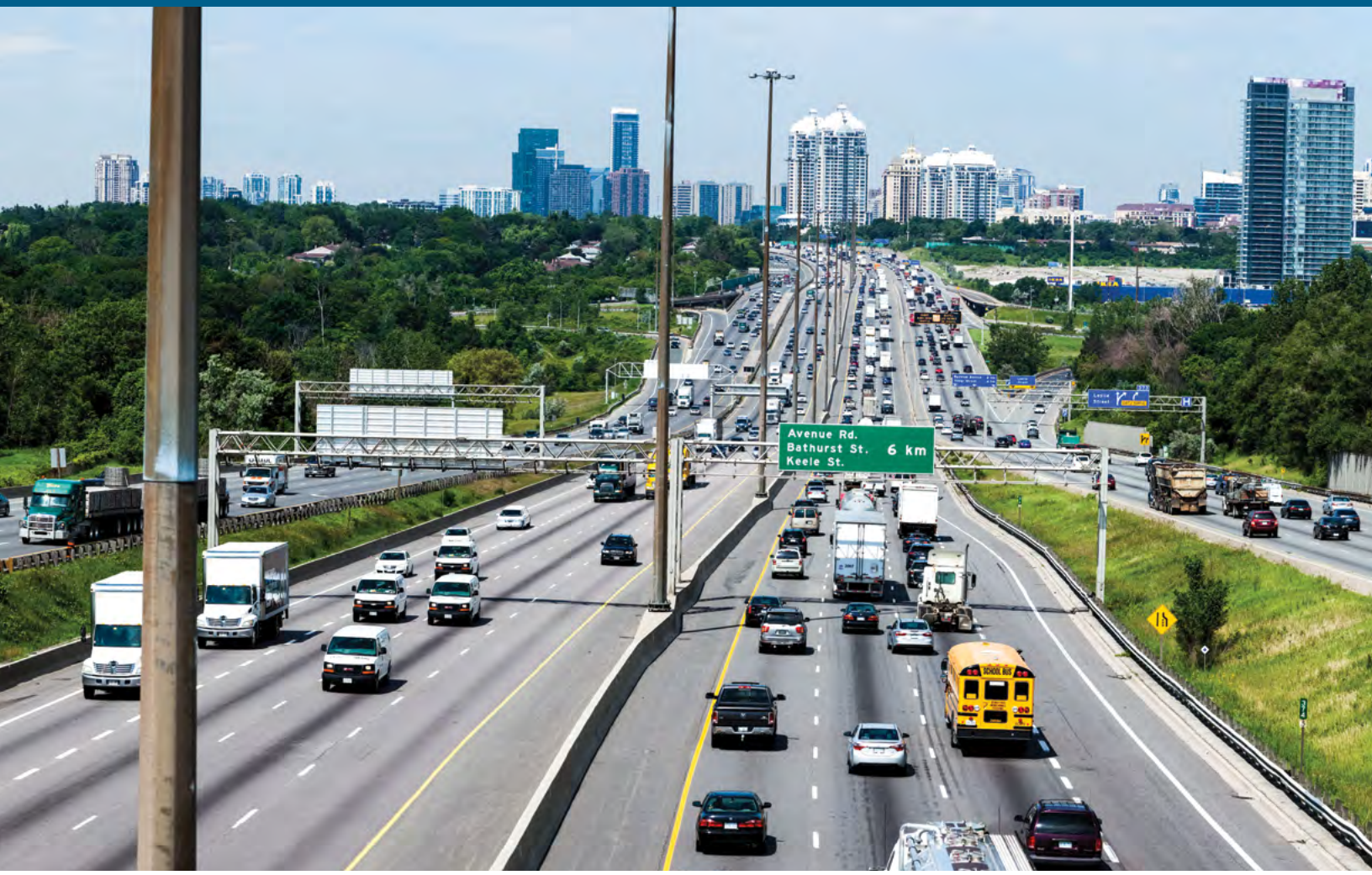
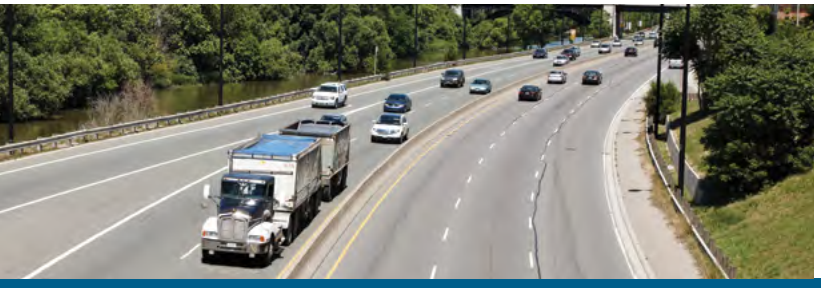




FOREWORD

Ontario's roads continue to be among the safest in North America.

In 2017, Ontario's fatality rate of 0.61 per 10,000 licensed drivers was the fourth lowest in all of North America. For more than 20 years, our province has ranked in the top five for road safety among all North American jurisdictions.

The number of traffic fatalities on Ontario roads was 617.

— *Ontario Road Safety Annual Report 2017*

What is the Ontario Road Safety Annual Report (ORSAR)?

Road safety is a priority for the Ontario government. As technology, vehicles, and people's attitudes evolve over time, so do transportation needs and demands. With shifting economic and demographic factors, new road safety challenges can arise.

ORSAR allows the Ontario government to monitor its progress in improving road safety year-by-year. The report provides valuable data and guides the government as it determines where more effort is required.

ORSAR is used by the Ministry of Transportation (MTO) for policy and program analysis and development, road safety research, public education and performance measurement. ORSAR data is also used by road safety and injury prevention organizations, transportation associations, research institutions, police services and other ministries and governments.

To help the government address and meet new challenges, ORSAR provides valuable insights about long-term and emerging trends in Ontario and across other jurisdictions in North America.

To produce ORSAR, MTO collects data from several different sources, including police services, other ministries, and the Office of the Chief Coroner.

For more than 20 years, our province has ranked in the top five for road safety among all North American jurisdictions.

Although Ontario's roads consistently rank among the safest in North America, on average one person is killed on Ontario's roads every 14 hours. By continuing to work with our road safety partners and monitoring trends captured in ORSAR, Ontario will continue to develop new and innovative road safety strategies that will help save lives and keep our roads among the safest in the world.

Key Road Safety Findings for Ontario in 2017

For more than 20 years, Ontario has measured road safety by calculating the number of collision-related fatalities for every 10,000 licensed drivers.

In Ontario, the fatality rate per 10,000 licensed drivers in 2017 was 0.61. The actual number of fatalities was 617.

The fatality rate places Ontario fourth in all of North America, trailing Nunavut, Newfoundland & Labrador, and the District of Columbia. Ontario has ranked in the top five for more than 20 years in a row.

The number of serious injuries on Ontario's roads was 2,152, a decrease of 27% over the past decade.

Road Safety in Ontario: 2016 vs. 2017

Category	2016	2017
Number of Fatalities	579	617
Fatality Rate per 10,000 Licensed Drivers	0.58	0.61

Top Priority Road Safety Issues

Road safety is a challenge that requires commitment to build on our efforts year after year. We can take pride in milestone achievements, but keep in mind that they are milestones—the challenge is always to do more, to save more lives.

In recent years, the Ontario government has led the way by working with many road safety partners, including police, public health and safety organizations in the public, corporate and not-for-profit sectors. With support from these partners, Ontario has developed and introduced numerous pieces of legislation aimed at making our roads safer each year.

Recent legislation and new measures include:

- New legislation that will help keep the province's roads among the safest in North America by reducing collisions, injuries and fatalities
- Street racing/stunt driving legislation
- Distracted driving legislation
- Extending the Reduced Suspension with Ignition Interlock program to repeat offenders
- New rules for drug-impaired driving that mirror existing sanctions for alcohol-impaired driving
- Speed limiters for large trucks
- Increased penalties for various infractions
- Mandatory entry-level training for large trucks
- Escalating sanctions for novice drivers

ORSAR 2017 indicates that our legislative initiatives, combined with strong enforcement and education, are achieving results, while at the same time demonstrating that there is also room for improvement.

Pedestrians

Pedestrians fatally injured decreased from 136 in 2016 to 114 in 2017, down 16%. Over the last decade, there has been a gradual increase in pedestrian fatalities as a proportion of all fatalities; in 2008, pedestrians represented 15% of all road users killed and in 2017, they represented 18%.

Large Truck Fatalities

There were 141 fatalities in collisions involving large trucks in 2017, up from 113 in 2016, an increase of 25%. In addition, 1% of the examined large trucks involved in fatal crashes had an apparent defect that may have contributed to the crash.

Inattentive Driving

The number of people killed in Ontario in collisions involving an inattentive driver increased from 100 in 2016 to 107 in 2017, up 7%. Inattentive driving was a factor in 17% of all fatalities on Ontario roads in 2017.

Drinking and Driving

Compared to the previous year, the number of drinking and driving fatalities increased from 125 in 2016 to 133 in 2017, up 6%. Ontario's drinking and driving fatality rate was 0.13 per 10,000 licensed drivers, a reduction of 82% from 0.72 in 1988. Ontario has the lowest drinking and driving fatality rate in North America at 0.13 per 10,000 licenced drivers, followed by District of Columbia (0.21).

Drugs and Driving

The number of fatalities attributed to drugs other than alcohol increased from 74 in 2016 to 75 in 2017, 1%.

Speeding/Street Racing

The number of people killed in Ontario in speed-related collisions increased from 97 in 2016 to 114 in 2017, up by 18%.

Senior Driver Fatalities

Fatalities among senior drivers age 80 and over increased by 47% from 17 in 2016 to 25 in 2017. The number of licensed senior drivers (80+) has increased over two-fold over the past 20 years, from almost 125,000 in 1998 to approximately 320,000 in 2017.

Young Driver Fatalities

Fatalities among young drivers ages 16–19 increased from 17 in 2016 to 21 in 2017, up 23.5%.

Occupant Protection (Seat Belts)

Although a Transport Canada survey shows Ontario has a 96% seatbelt usage rate, about 1 in every 5 vehicle occupants killed on our roads was unbelted. In 2017, 87 vehicle occupants were killed while not wearing seat belts, up from 67 in 2016, which is a 30% increase.

Motorcyclists and Cyclists

Motorcycle rider fatalities increased from 65 in 2016 to 69 in 2017, up by 6%. Bicycling fatalities decreased from 19 in 2016 to 14 in 2017, down 26%.

At a Glance: Situations with the Highest Road Fatalities

Category	Number of Fatalities	Percentage of Total Fatalities*
Large Trucks	141	23%
Drinking and Driving	133	22%
Pedestrians	114	18%
Speed-Related	114	18%
Inattentive Driving	107	17%
Unbelted Occupants	87	14%
Drug-Involved	74	12%
Motorcyclists	69	11%
Senior Drivers	25	4%
Young Drivers	21	3%
Cyclists	14	2%

* Many fatal crashes involve more than one of the factors listed. These percentages do not add to 100.

Looking Ahead: Next Steps

Ontario has achieved reductions in fatalities and serious injuries, despite annual increases in the number of licensed drivers.

Road safety is a challenge that evolves with growing populations, new technologies and urban and rural development. The future brings new priorities that we are committed to address. These include:

- drug-impaired driving as an emerging issue
- sharing the road with vulnerable road users, such as pedestrians and cyclists
- senior drivers and driver fitness given an aging population and health issues
- all-terrain vehicle safety
- automated vehicle safety

Social marketing has been an important means to educate the public and help save lives. It aims to change behaviours and attitudes, to promote safety awareness and make our streets safer.

Studies show road safety marketing campaigns result in a 12% reduction in collisions. Ontario aims to be among the many countries that emphasize proactive, preventative measures, particularly education and awareness initiatives that reduce risky driving behaviour.

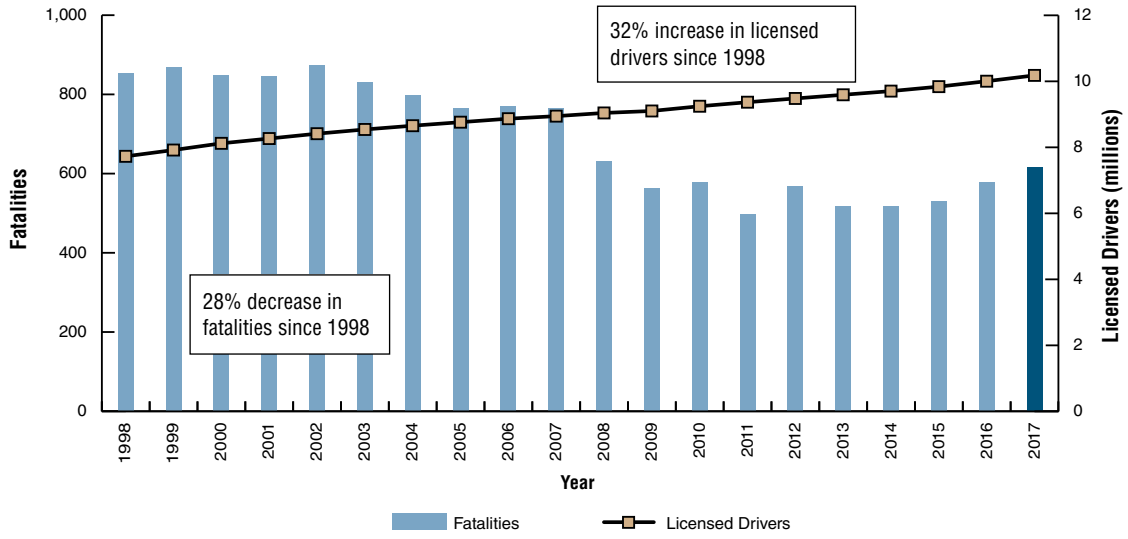
Conclusion

ORSAR 2017 confirms that Ontario continues to be a leader in road safety.

We continue to work closely with our road safety partners and support police in their efforts to crack down on unsafe drivers and driving practices. As we review the findings of this year's report, we will strive to achieve better results and more milestones and make Ontario's roads the safest in the world.

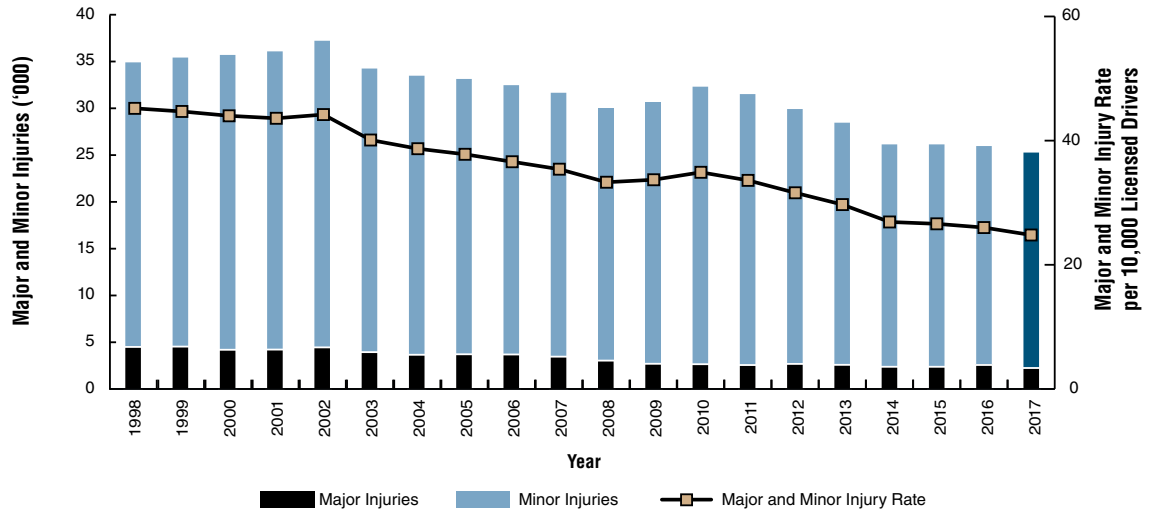
Key Road Safety Statistical Trends

Number of Fatalities and Licensed Drivers, 1998–2017



Between 1998 and 2017, the number of licensed drivers increased by 32%. In contrast, the number of fatalities decreased by 28% over this 20-year period.

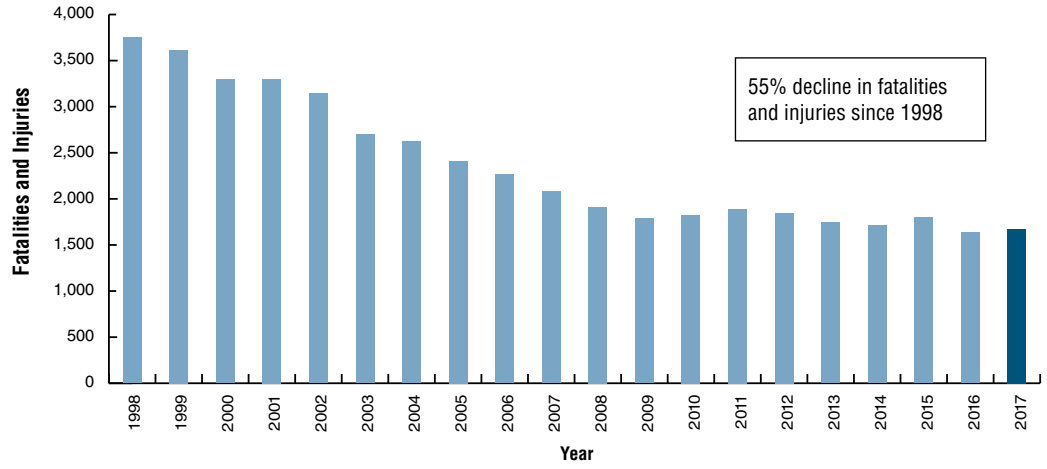
Number and Rate of Major and Minor Injuries, 1998–2017



In 2017, 52,419 people were injured (including major, minor and minimal injuries) in motor vehicle crashes, 30,773 fewer than in 1998. This puts the number of injuries on the province's roadways at its lowest level since 1963.

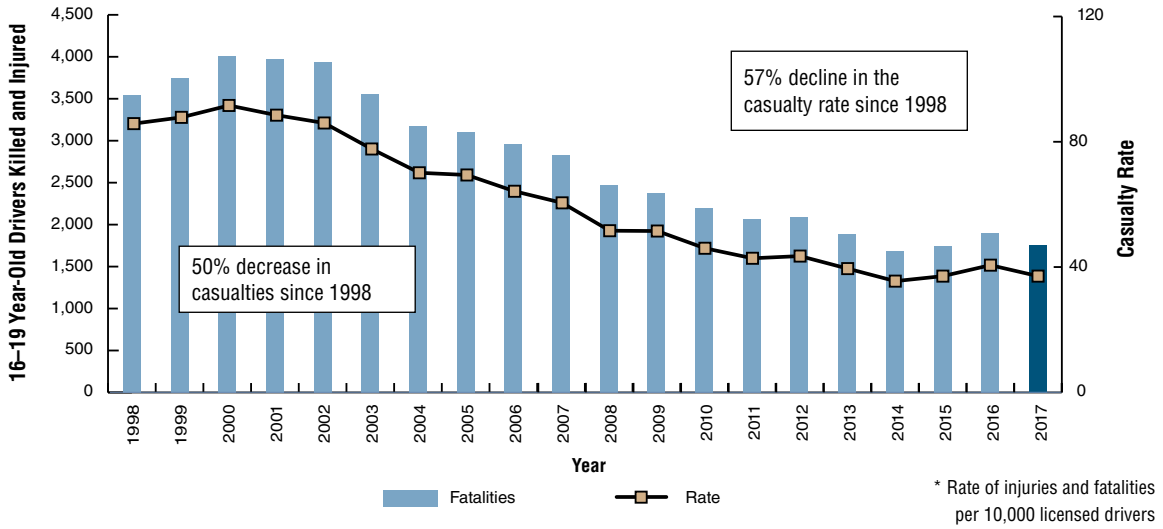
Fatality and Injury Trends for Different Age Groups

Number of Persons Age 0–9 Killed and Injured,1998–2017



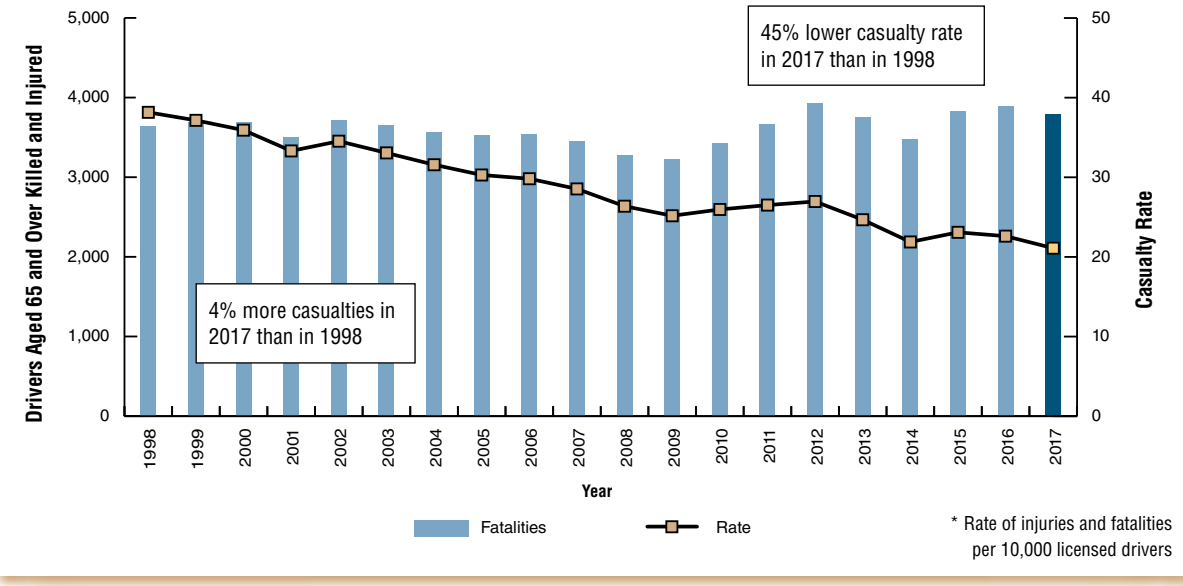
Between 1998 and 2017, the number of traffic fatalities and injuries among children aged 0–9 has dropped steadily, leading to an overall decline of 55%.

Number and Rate* of Drivers 16–19 Years Old Killed and Injured, 1998–2017



The number of 16–19 year-old driver casualties (deaths or injuries) have declined, with a 50% decrease in the number killed/injured and a 57% decline in the casualty rate since 1998. Over the same time period 1998–2017, the number of licensed drivers aged 16–19 increased by 15%, from 412,589 to 474,413.

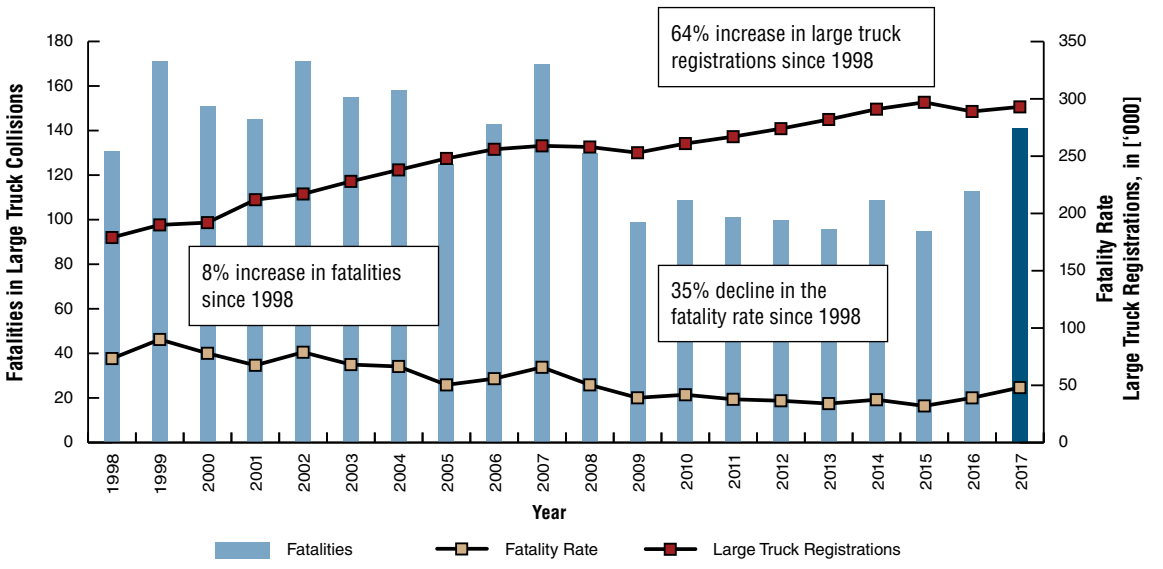
Number and Rate* of Drivers Aged 65 and Over Killed and Injured, 1998–2017



The number of drivers aged 65 and over killed and injured increased by 4% between 1998 and 2017. However, the population of drivers age 65 and over has been increasing more rapidly, therefore, the casualty rate per 10,000 licensed drivers has decreased by 45%.

Large Trucks

Number and Rate* of Fatalities in Large Truck Collisions; Large Truck Registrations, 1998–2017

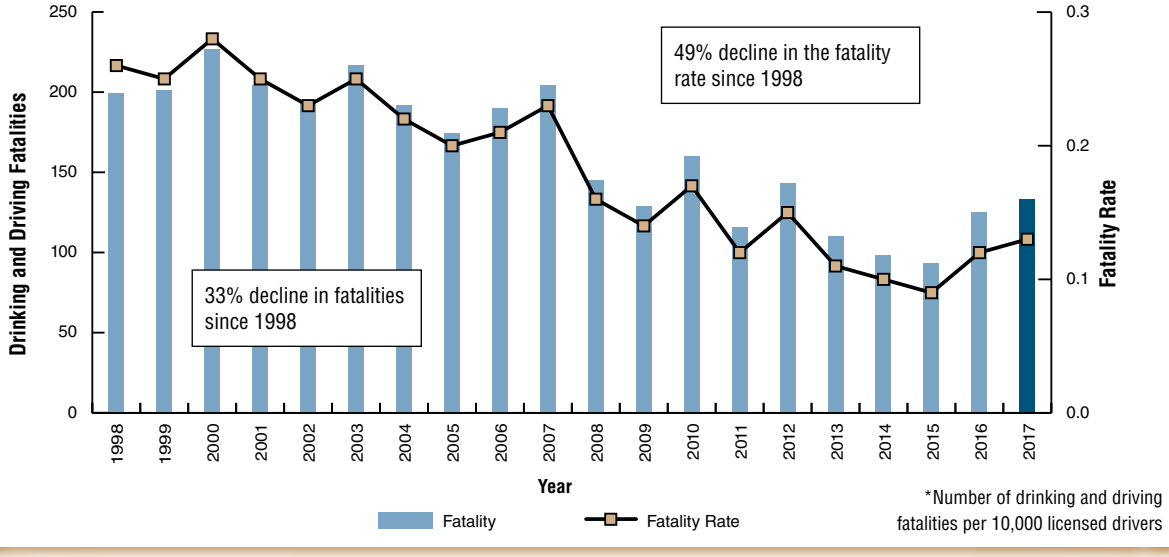


*Number of fatalities per 100,000 large trucks

Ontario's data shows an increase of 64% in the number of large trucks registered in Ontario. The number of large truck fatalities increased from 131 in 1998 to 141 in 2017, up 8%.

Drinking and Driving

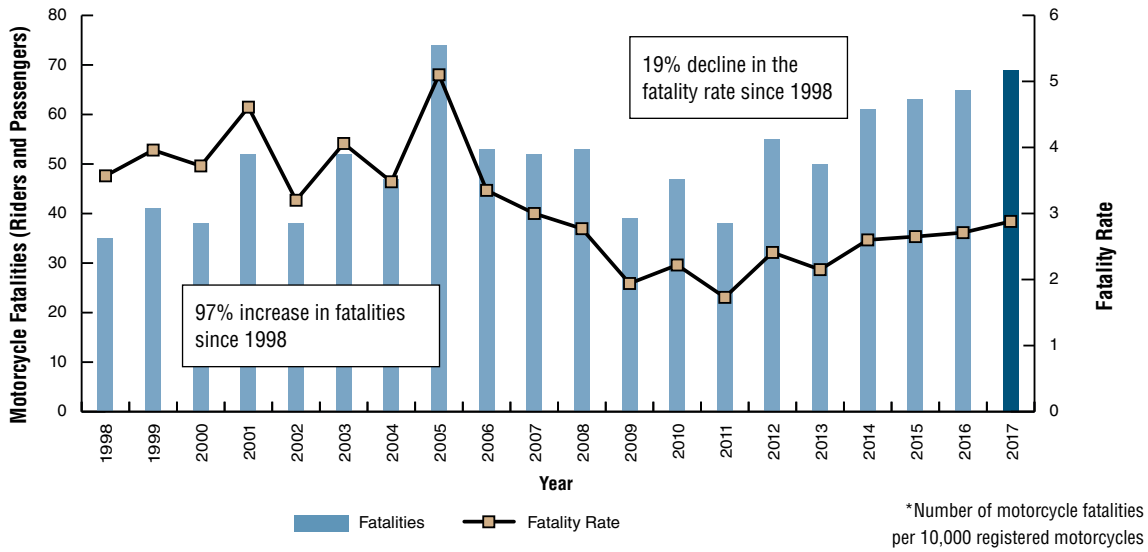
Number and Rate* of Drinking and Driving Fatalities, 1998–2017



*Number of drinking and driving fatalities per 10,000 licensed drivers

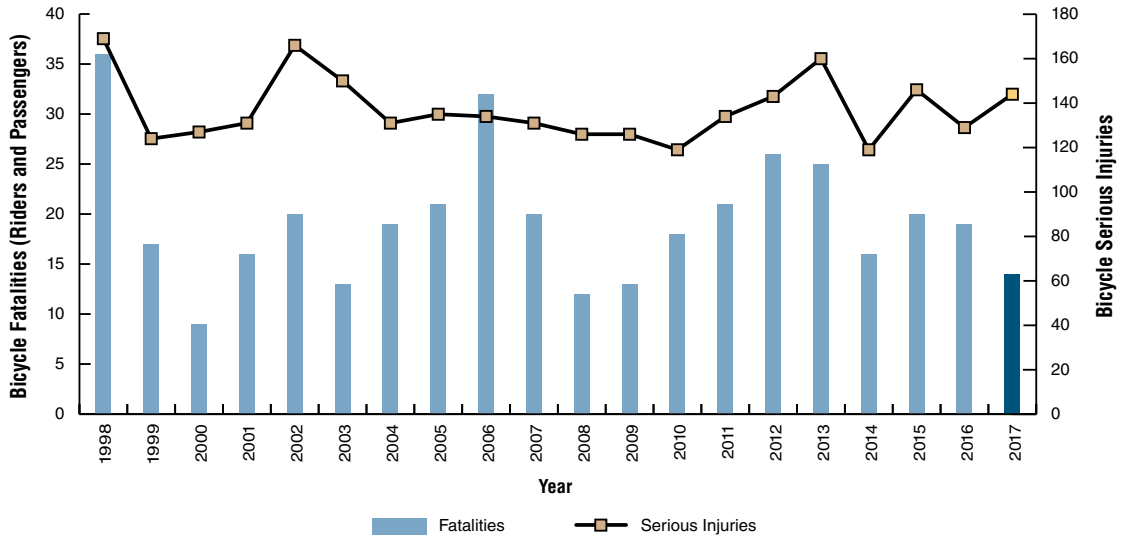
Both the number of drinking and driving fatalities and the fatality rate per 10,000 licensed drivers have declined dramatically from 1998, by 33% and 49% respectively.

Number and Rate* of Motorcycle Fatalities, 1998–2017



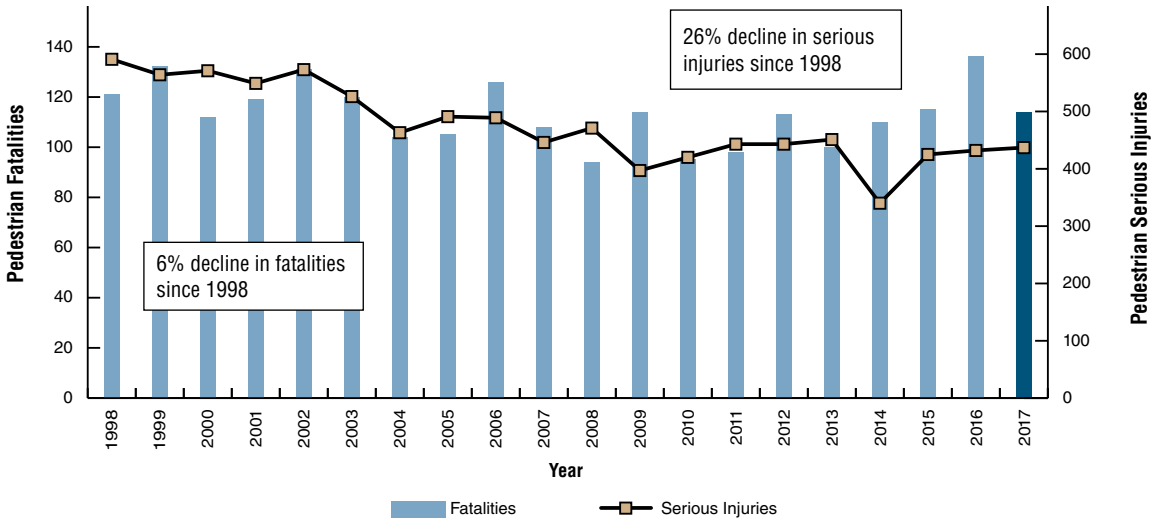
Motorcycle registrations increased 0.1% from 239,796 in 2016 to 239,983 in 2017. In the same time period, motorcycle rider fatalities increased from 65 in 2016 to 69 in 2017. Over the long term, between 1998 and 2017, there has been a 19% decline in the fatality rate per 10,000 motorcycle registrations.

Number of Bicycle Fatalities and Serious Injuries, 1998–2017



Between 1998 and 2017, the number of bicycle rider fatalities fluctuated between a high of 36 in 1998 and a low of 9 in 2000. There were 14 bicycle rider fatalities in 2017.

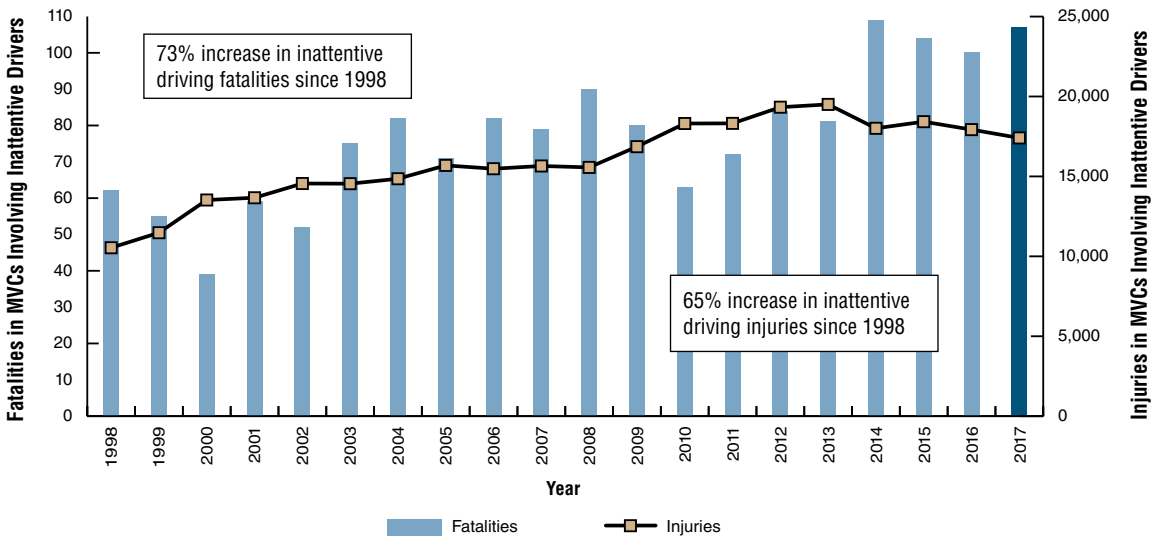
Number of Pedestrian Fatalities and Serious Injuries, 1998–2017



Between 1998 and 2017, the number of pedestrian fatalities was highest in 2016 with 136, and reached its lowest level in two decades in 2008 with 94. The number of pedestrian fatalities decreased from 136 in 2016 to 114 in 2017, down by 16%.

Inattentive Driving*

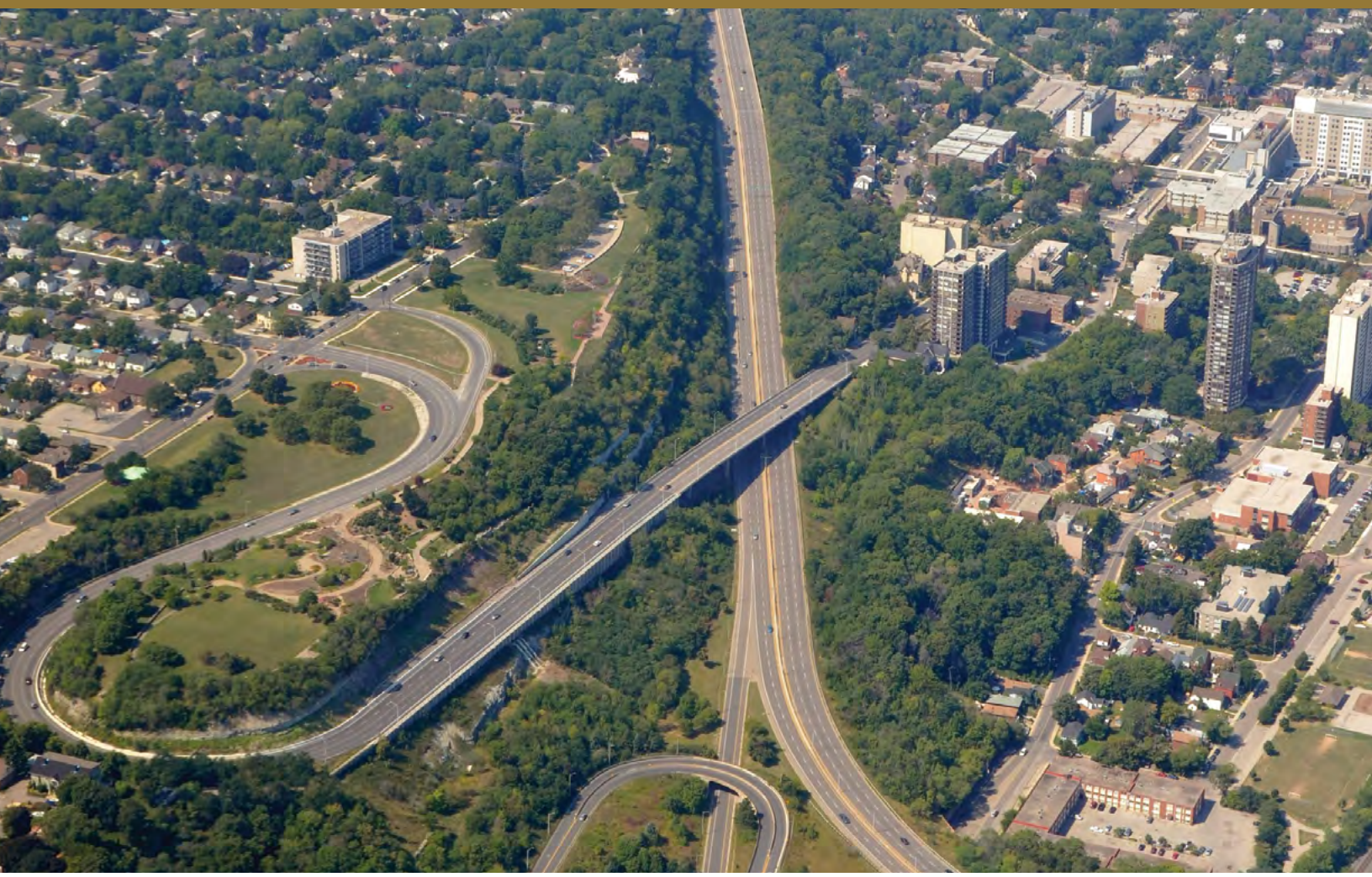
Number of Inattentive Driving Fatalities and Injuries, 1998–2017

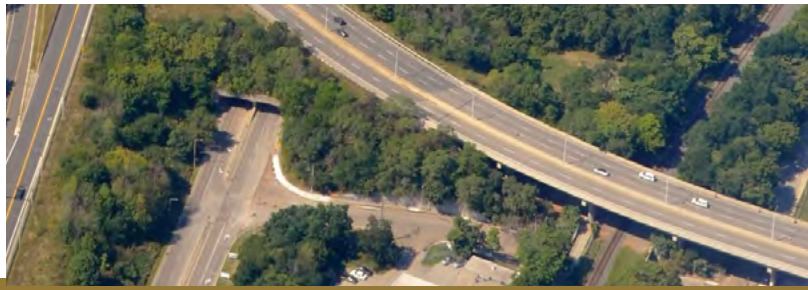


The number of fatalities in collisions involving an inattentive driver increased from 62 in 1998 to 107 in 2017; this represents an increase of 73%. During the same time period, the number of injuries in collisions involving an inattentive driver increased from 10,537 in 1998 to 17,407 in 2017, an increase of 65%.

* *An inattentive driver is defined as a driver operating a motor vehicle without due care and attention or placing less concentration on driving. Other examples of inattentive driving could include: changing radio stations, consuming food, reading, and talking on a phone.*

OVERVIEW





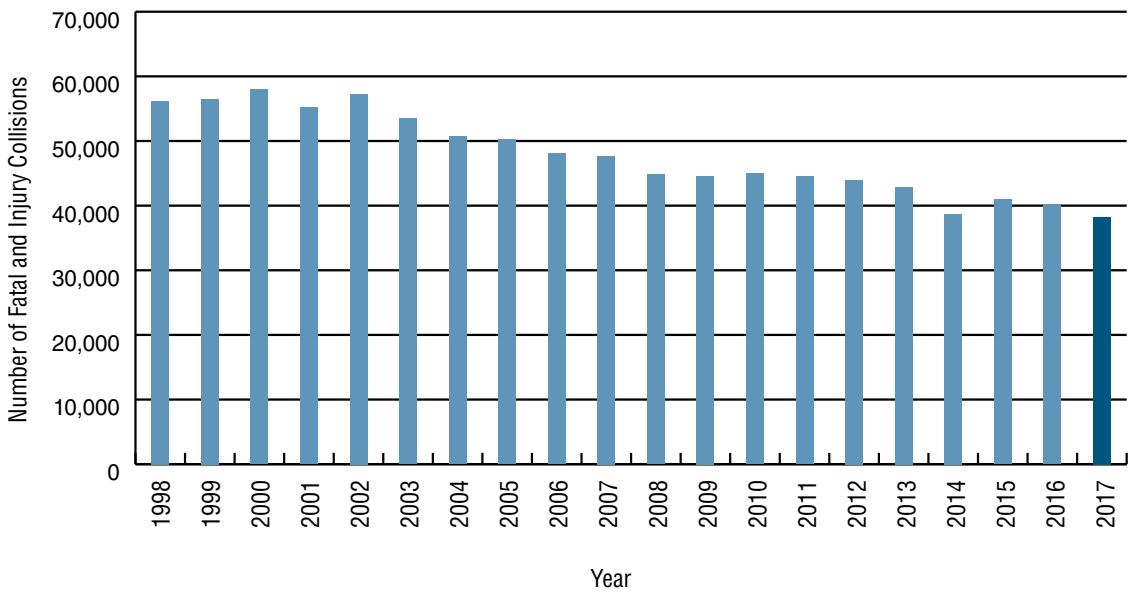
1. OVERVIEW

This section provides a synopsis of key road safety statistics such as the total number of traffic fatalities, injuries, collisions, licensed drivers and registered vehicles.

The primary measure of road user safety in Ontario is the number of fatalities for every 10,000 licensed drivers. In 2017, Ontario's fatality rate of 0.61 per 10,000 licensed drivers continues to position Ontario as a road safety leader in Canada and in North America.

The information on hospitalizations and other statistics in this section is a stark reminder of the human and economic cost of motor vehicle collisions, both in terms of lives lost, pain and suffering, and the impact on Ontario's healthcare system, which affects everyone in Ontario.

Figure 1 **Total Number of Fatal and Injury Collisions in Ontario, 1998–2017**



1A SYNOPSIS

Selected Statistics: 2017	
Total Reportable Collisions	209,085
Total Drivers Involved in Collisions	381,210
Total Vehicles Involved in Collisions	393,678
Fatal Collisions	566
Personal Injury Collisions	37,677
Property Damage Collisions	170,842
Persons Killed	617
Drivers Killed (excludes All-Terrain Vehicle and Snow Vehicle Drivers)	395
Drivers Killed (Impaired or Had Been Drinking)	99
Passengers Killed	90
Pedestrians Killed	114
Other Road Users Killed	18
Persons Injured	52,419
Estimated Ontario Population (2017)	14,072,615
Licensed Drivers	10,180,024
Registered Motor Vehicles	9,706,749
Estimated Vehicle Kilometres Travelled (in millions)	143,978
Number of Persons Killed in Motor Vehicle Collisions per 100,000 People in Ontario	4.38
Number of Persons Killed in Motor Vehicle Collisions per 100 Million Kilometres Travelled	0.43
Collision Rate per 100 Million Kilometres Travelled	145.22
Fatal Collision Rate per 100 Million Kilometres Travelled	0.39
Number of Persons Killed in Motor Vehicle Collisions per 10,000 Licensed Drivers	0.61

1B HEALTH PERSPECTIVE

Table 1.1: Selected Diagnoses of Motor Vehicle Collision Injuries Hospitalized in Ontario, Fiscal Year 2017/2018

Selected Diagnoses	Hospital Admissions	Hospital Days of Stay
Fracture of head	124	730
Fracture of neck and trunk	1,074	10,094
Fracture of upper limb	386	1,941
Fracture of lower limb	1,143	10,526
Fractures involving multiple body regions	5	81
Dislocation, sprains and strains	85	645
Dislocations, sprains, and strains involving multiple body regions	0	0
Intracranial injury	757	11,018
Internal injury of chest, abdomen, and pelvis	445	3,386
Open wound of head, neck, or trunk	44	160
Open wound of upper limb	6	23
Open wound of lower limb	34	389
Open wounds involving multiple body regions	1	36
Other diagnosis	1,101	14,674
Total Admissions and Days	**5,205**	**53,703**

Source: *Ministry of Health and Long-Term Care, Health Solutions Delivery Branch, Health Data Decision Support Unit*

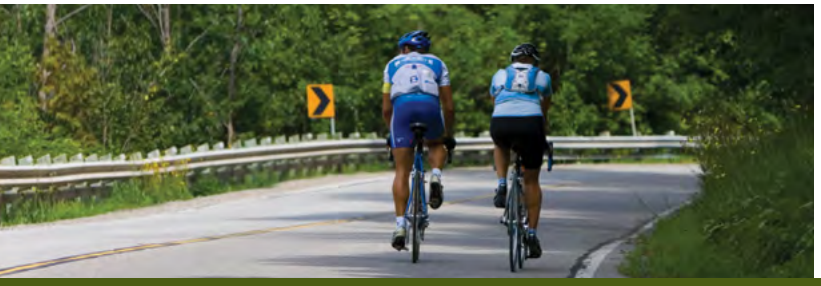
Table 1.2: Selected Surgical Procedures for Motor Vehicle Collision Injuries Hospitalized in Ontario, Fiscal Year 2017/2018

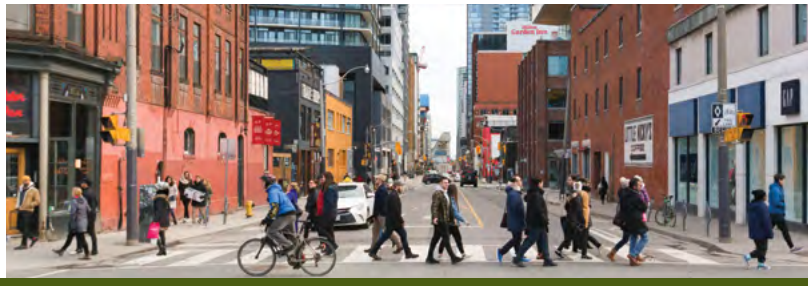
Selected Procedure	Hospital Admissions	Hospital Days of Stay
Head, brain, and cerebral meninges	93	2,202
Spinal cord, spinal canal, and meninges	8	93
Nose, mouth, and pharynx	20	245
Chest wall, pleura, mediastinum, and diaphragm	0	0
Bone marrow and spleen	150	1,342
Kidney	1	4
Facial bones and joints	61	734
Reduction of fracture/dislocation with or without fixation (excluding head or facial bones)	1,664	18,255
Repair joint structures (excluding head or facial bones)	9	51
Skin and subcutaneous tissue	58	586
Other diagnostic and therapeutic interventions	3,141	30,191
Sub-total of surgical admissions and days	**5,205**	**53,703**
No interventions performed—surgical procedures	**N/A**	**N/A**

Source: *Ministry of Health and Long-Term Care, Health Solutions Delivery Branch, Health Data Decision Support Unit*

N/A - Data not available

THE PEOPLE





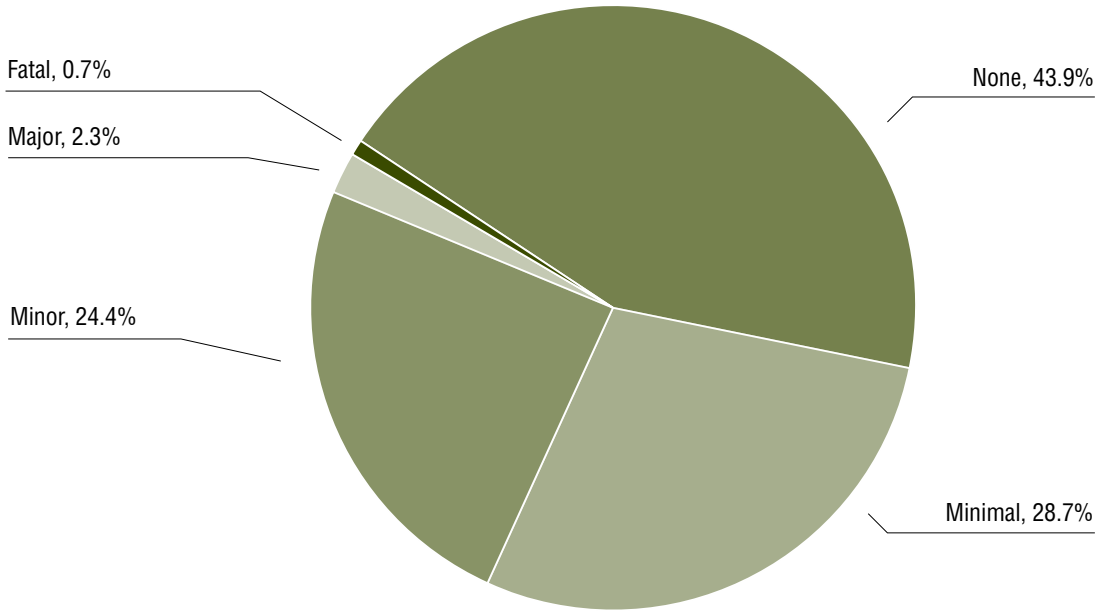
2. THE PEOPLE

This section highlights traffic fatalities and injuries by severity and characteristics of the road users involved. A few examples of road user characteristics identified in this chapter include: driver action and condition at the time of collision, pedestrian action and condition, and seat belt usage. Key historical road safety data—covering a period of more than 80 years—is also provided to assist in analyzing long-term safety trends in Ontario.

There was an increase in the number of traffic fatalities from 579 in 2016 to 617 in 2017; the number of serious injuries decreased from 2,476 in 2016 to 2,152 in 2017. During the same time period, the number of licensed drivers increased by 176,250, from 10,003,774 in 2016 to 10,180,024 in 2017.

Out of 996 drivers involved in fatal collision, 122 were drinking drivers, 66 drivers' ability was impaired by drugs, 97 drivers were coded as inattentive, and 105 were speeding (e.g., above speed limit or driving too fast for conditions). Despite the fact that about 96% of Ontario drivers use seat belts, 87 vehicle occupants who were fatally injured were not using seat belts at the time of the collision.

Figure 2 **Persons Involved in Fatal and Injury Collisions by Severity of Injury, 2017**



2A PEOPLE IN COLLISIONS

Table 2.1: Category of Involved Person by Severity of Injury in Fatal and Personal Injury Collisions, 2017

Category of Involved Person	Severity of Injury					Total
	None	Minimal	Minor	Major	Fatal	
Driver	27,750	16,695	13,523	827	316	**59,111**
Passenger*	13,276	7,322	5,416	403	90	**26,507**
Pedestrian	77	1,728	2,152	437	114	**4,508**
Bicyclist	32	827	961	144	14	**1,978**
Bicycle Passenger	4	9	7	0	0	**20**
All-Terrain Vehicle Driver **	2	12	16	2	3	**35**
All-Terrain Vehicle Passenger **	3	4	4	3	0	**14**
Snow Vehicle Driver	0	4	3	3	3	**13**
Snow Vehicle Passenger	0	0	0	0	0	**0**
Motorcycle Driver	45	306	784	282	65	**1,482**
Motorcycle Passenger	10	38	72	27	4	**151**
Moped Driver	1	8	12	2	0	**23**
Moped Passenger	1	1	0	0	0	**2**
Hanger On	5	14	21	2	2	**44**
Other	367	180	148	20	6	**721**
Total	**41,573**	**27,148**	**23,119**	**2,152**	**617**	**94,609**

* Includes bus passengers

** In this table, all-terrain vehicles include two-wheel, three-wheel, and four-wheel vehicles. HTA (Highway Traffic Act) reportable collisions. For more information on special vehicles, see Chapter 6.

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

Major: Person admitted to hospital. Also 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 Persons Killed by Age Groups, 2017

Category of Person	Age Groups																Total
	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	0	0	1	3	4	5	9	6	32	71	45	32	43	32	33	0	**316**
Passenger*	6	3	6	2	1	3	1	3	7	12	8	7	10	12	10	1	**92**
Pedestrian	1	3	1	0	1	2	1	0	10	10	12	12	24	13	23	1	**114**
Bicyclist	0	2	0	0	0	0	0	0	1	3	1	3	1	2	1	0	**14**
Bicycle Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
All-Terrain Vehicle Driver	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	**3**
All-Terrain Vehicle Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Snow Vehicle Driver	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	**3**
Snow Vehicle Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Motorcycle Driver	0	0	0	0	2	0	0	0	2	8	10	22	11	8	2	0	**65**
Motorcycle Passenger	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	**4**
Moped Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Moped Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Other	0	0	0	0	0	0	0	0	1	1	0	0	1	1	2	0	**6**
Total	**7**	**8**	**9**	**5**	**8**	**10**	**12**	**9**	**53**	**107**	**77**	**77**	**91**	**69**	**73**	**2**	**617**

* Includes hangers on

UK = Unknown

HTA (Highway Traffic Act) reportable collisions. For more information on special vehicles, see Chapter 6.

Table 2.3: Category of Persons Injured by Age Groups, 2017

Category of Person	Age Groups																Total
	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	0	0	7	87	454	595	603	660	2,919	6,542	5,407	5,519	4,502	2,269	1,449	32	**31,045**
Passenger*	625	847	1,116	312	344	357	339	282	1,152	1,867	1,245	1,337	1,209	819	684	754	**13,289**
Pedestrian	42	107	295	100	107	116	118	118	400	727	418	500	515	344	263	147	**4,317**
Bicyclist	0	28	194	58	42	44	49	43	183	359	218	294	227	88	40	65	**1,932**
Bicycle Passenger	3	1	6	2	2	0	0	2	3	7	7	4	4	1	1	18	**61**
All-Terrain Vehicle Driver	0	0	6	6	1	1	1	2	1	5	0	1	4	2	0	0	**30**
All-Terrain Vehicle Passenger	0	0	7	1	0	0	0	0	0	0	0	1	1	1	0	1	**12**
Snow Vehicle Driver	0	1	2	0	1	1	1	1	0	1	2	0	0	0	0	0	**10**
Snow Vehicle Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Motorcycle Driver	0	0	3	13	18	13	18	18	103	281	245	311	240	94	12	3	**1,372**
Motorcycle Passenger	0	0	8	4	1	1	2	1	12	12	19	34	32	5	1	13	**145**
Moped Driver	0	0	1	0	0	1	0	0	3	2	1	8	3	1	1	1	**22**
Moped Passenger	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Other	2	1	5	0	1	1	3	3	11	26	34	41	25	9	8	13	**183**
Total	**672**	**985**	**1,650**	**583**	**971**	**1,130**	**1,134**	**1,130**	**4,788**	**9,829**	**7,596**	**8,050**	**6,762**	**3,633**	**2,459**	**1,047**	**52,419**

* Includes hangers on

UK = Unknown

HTA (Highway Traffic Act) reportable collisions. For more information on special vehicles, see Chapter 6.

Table 2.4: Sex of Driver by Class of Collision, 2017

Sex of Driver	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Male	763	40,529	181,140	**222,432**
Female	214	26,244	106,236	**132,694**
Unknown*	19	3,910	22,155	**26,084**
Total	**996**	**70,683**	**309,531**	**381,210**

* This includes situations where the enforcement officer is unable to make a determination, e.g., hit and run.

Fatal Collision: A motor vehicle collision in which at least one person sustains bodily injury resulting in death within 30 days of the collision.

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

Property Damage: 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.

The minimum reportable level for property-damage-only collision rose from $1000 to $2000 on September 1, 2015.

See Appendix for further explanation of Collision Self-Reporting.

Table 2.5: Driver Condition by Class of Collision, 2017

Condition of Driver	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Normal	570	50,138	241,008	**291,716**
Had Been Drinking	22	442	1,153	**1,617**
Ability Impaired—Alcohol over 0.08	88	556	1,258	**1,902**
Ability Impaired—Alcohol	12	286	699	**997**
Ability Impaired—Drugs *	67	113	278	**458**
Fatigue	19	605	1,309	**1,933**
Medical/Physical Disability	19	598	502	**1,119**
Inattentive	97	12,286	34,691	**47,074**
Other **	55	969	3,415	**4,439**
Unknown ***	47	4,690	25,218	**29,955**
Total	**996**	**70,683**	**309,531**	**381,210**

* Beginning in February 2011, all drivers killed in motor vehicle collisions were tested for the presence of drugs. Therefore, data may not be comparable to previous years.

** Driver condition is not defined above.

*** This includes situations where the enforcement officer is unable to make a determination, e.g., hit and run.

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

Ability-Impaired Alcohol over 0.08: Driver had consumed alcohol and upon testing was found to have a blood alcohol level in excess of 0.08 grams of alcohol per 100 millilitres of blood.

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, 2017*

Driver Age	Driver Condition						Total
	Normal	Had Been Drinking	Impaired Alcohol over .08	Ability Impaired Alcohol	Other	Unknown	
Under 16	57	2	0	0	57	2	**118**
16	673	3	3	2	279	24	**984**
17	3,618	14	13	4	1,208	56	**4,913**
18	4,455	38	22	10	1,447	99	**6,071**
19	5,117	38	46	13	1,506	95	**6,815**
20	5,837	50	56	31	1,530	97	**7,601**
21-24	26,117	239	315	155	6,010	436	**33,272**
25-34	62,211	522	593	341	11,649	1,064	**76,380**
35-44	54,002	266	348	189	8,802	818	**64,425**
45-54	55,359	215	274	108	8,460	830	**65,246**
55-64	42,413	147	156	93	6,783	681	**50,273**
65-74	20,908	56	60	38	4,083	377	**25,522**
75 & over	10,375	23	16	10	2,990	236	**13,650**
Unknown	574	4	0	3	1,140	24,219	**25,940**
Total	**291,716**	**1,617**	**1,902**	**997**	**55,944**	**29,034**	**381,210**

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

Table 2.7: Recorded Occurrence of Driver Condition in Drivers Killed, 2017*

Recorded Occurrence	Number of Drivers	%
Normal	118	29.1
Had Been Drinking	17	4.2
Ability Impaired—Alcohol over 0.08	79	19.5
Ability Impaired—Alcohol	3	0.7
Ability Impaired—Drugs **	66	16.3
Fatigue	10	2.5
Medical/Physical Disability	17	4.2
Inattentive	38	9.4
Other	29	7.1
Unknown	29	7.1
Total	**406**	**100.0**

* Total includes drivers of all vehicle types killed in HTA reportable collisions.

** Beginning in February 2011, all drivers killed in motor vehicle collisions were tested for the presence of drugs. Therefore, data may not be comparable to previous years.

Table 2.8: Apparent Driver Action by Class of Collision, 2017

Apparent Driver Action	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Driving Properly	472	33,610	164,502	**198,584**
Following Too Close	8	6,687	31,891	**38,586**
Speed Too Fast	67	635	955	**1,657**
Speed Too Fast for Conditions	38	2,718	10,297	**13,053**
Speed Too Slow	0	43	121	**164**
Improper Turn	23	3,332	10,839	**14,194**
Disobey Traffic Control	34	3,053	4,821	**7,908**
Fail to Yield Right of Way	84	7,141	17,815	**25,040**
Improper Passing	12	508	2,239	**2,759**
Lost Control	132	5,089	15,328	**20,549**
Wrong Way on One Way Road	1	35	122	**158**
Improper Lane Change	16	1,290	11,222	**12,528**
Other*	92	2,826	16,491	**19,409**
Unknown	17	3,716	22,888	**26,621**
Total	**996**	**70,683**	**309,531**	**381,210**

* Includes actions such as hit and run, driving on the wrong side of the road, improper parking and illegally parked.

The tables on the next two pages include only seat belt usage in collisions in which there were fatalities and personal injuries. Property-damage-only collisions are excluded.

Table 2.9: Seat Belt Usage by Severity of Driver Injury in Fatal and Personal Injury Collisions, 2017

Safety Equipment Used	Severity of Injury					Total
	Fatal	Major	Minor	Minimal	Not Injured	
Seat Belt Used	210	628	12,025	15,156	25,520	**53,539**
Other Equipment*	20	98	1,049	1,091	1,459	**3,717**
Equipment Not Used	69	74	174	57	38	**412**
No Safety Equipment	1	4	12	11	27	**55**
Use Unknown	15	23	262	379	705	**1,384**
Total	**315**	**827**	**13,522**	**16,694**	**27,749**	**59,107**

* Other equipment includes use of airbags. Combined use of seat belt with airbag deployment is unknown.

Table 2.10: Seat Belt Usage by Severity of Passenger* Injury in Fatal and Personal Injury Collisions, 2017

Safety Equipment Used	Severity of Injury					Total
	Fatal	Major	Minor	Minimal	Not Injured	
Seat Belt Used	49	264	4,398	5,972	10,405	**21,088**
Child Safety Seat Used Incorrectly	1	2	9	16	52	**80**
Child Safety Seat Used Correctly	7	9	166	389	1,381	**1,952**
Other Equipment**	11	53	346	416	658	**1,484**
Equipment Not Used	18	44	136	73	38	**309**
No Safety Equipment	0	11	222	195	494	**922**
Use Unknown	6	26	193	323	378	**926**
Total	**92**	**409**	**5,470**	**7,384**	**13,406**	**26,761**

* Includes hangers on and excludes passengers in parked vehicles.

** Other equipment includes use of airbags. Combined use of seat belt with airbag deployment is unknown.

Table 2.11: Restraint Use for Children (0–4 Years) Killed in Collisions, 2013–2017

Year Used	Child Restraint Used Correctly	Child Restraint Used Incorrectly	Lap/Lap & Shoulder Belt	Restraint Not Available	Available Not Used	Use Unknown	Total
2013	1	0	0	0	0	0	**1**
2014	0	1	0	0	0	0	**1**
2015	6	0	0	0	1	1	**8**
2016	1	0	0	0	0	0	**1**
2017	4	0	0	0	0	2	**6**

Table 2.12: Restraint Use for Children (0–4 Years) Involved in Fatal and Personal Injury Collisions by Severity of Injury, 2017

Restraint Used	Injury Level		
	Major / Fatal %	Minimal/Minor %	No Injuries %
Child Restraint Used Correctly	62.5	59.0	68.0
Child Restraint Used Incorrectly	12.5	3.4	2.5
Lap/Lap-Shoulder Belt	6.3	28.1	22.8
Not Available	0.0	1.1	1.2
Available/Not Used	6.3	0.8	0.1
Other	12.5	5.7	3.6
Unknown	0.0	1.8	1.9
Total	**100**	**100**	**100**

Table 2.13: Pedestrian Condition by Severity of Injury, 2017

Condition of Pedestrian	Killed	Injured
Normal	52	3,304
Had Been Drinking	6	142
Ability-Impaired Alcohol over .08	12	6
Ability-Impaired Alcohol	0	42
Ability-Impaired Drugs	11	15
Fatigue	0	2
Medical or Physical Defect	8	92
Inattentive	17	630
Other	8	84
Unknown	0	0
Total	**114**	**4,317**

Table 2.14: Apparent Pedestrian Action by Severity of Injury, 2017

Apparent Pedestrian Action	Killed	Injured
Crossing Intersection With Right of Way	26	2,178
Crossing Intersection Without Right of Way	27	602
Crossing Intersection No Traffic Control	14	243
Crossing Pedestrian Crossover	1	136
Crossing Marked Crosswalk Without Right of Way	3	97
Walking on Roadway With Traffic	8	89
Walking on Roadway Against Traffic	5	43
On Sidewalk or Shoulder	3	300
Playing or Working on Highway	1	51
Coming from Behind Parked Vehicle or Object	2	49
Running onto Roadway	9	219
Getting On/Off School Bus*	0	1
Getting On/Off Vehicle	2	57
Pushing/Working on Vehicle	0	8
Other	13	244
Total	**114**	**4,317**

* Calendar Year

Table 2.15: Category of Persons Killed and Injured, 1990–2017

Year	Ontario Population (Est.)**	Driver		Passenger*		Pedestrian		All Others		Persons Killed In All Classes		Persons Injured In All Classes	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Number	Rate Per 100000	Number	Rate Per 100000
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
1996	11,320,456	459	49,614	270	28,997	144	5,336	55	4,458	928	8.2	88,405	780.9
1997	11,500,329	474	47,861	224	27,915	133	5,154	68	4,597	899	7.8	85,527	743.7
1998	11,675,497	437	47,088	222	26,422	121	4,978	74	4,704	854	7.3	83,192	712.5
1999	11,513,700	452	47,943	221	26,774	132	4,894	63	4,451	868	7.5	84,062	730.1
2000	11,695,110	437	48,068	243	27,206	112	5,190	57	4,544	849	7.3	85,009	726.9
2001	11,966,960	430	45,758	224	26,510	119	5,063	72	4,451	845	7.1	81,782	683.4
2002	12,027,900	450	47,909	227	26,742	131	4,990	65	4,551	873	7.3	84,192	700.0
2003	12,293,700	425	44,212	216	24,563	120	4,758	70	4,346	831	6.8	77,879	633.5
2004	12,407,300	433	41,608	191	22,396	104	4,505	71	4,499	799	6.4	73,008	588.4
2005	12,558,669	377	41,199	183	21,268	105	4,709	101	4,674	766	6.1	71,850	572.1
2006	12,705,328	383	39,633	169	20,005	126	4,729	91	4,426	769	6.1	68,793	541.5
2007	12,803,861	396	38,913	186	19,112	108	4,636	75	4,505	765	6.0	67,166	524.6
2008	12,932,297	343	36,219	124	17,679	94	4,454	70	4,391	631	4.9	62,743	485.2
2009	13,072,700	277	35,403	113	18,224	114	4,522	60	4,413	564	4.3	62,562	478.6
2010	13,223,800	299	35,959	115	19,152	95	4,621	70	4,782	579	4.4	64,514	487.9
2011	13,263,500	237	35,517	92	16,835	98	4,857	71	4,810	498	3.8	62,019	467.6
2012	13,410,100	236	35,254	127	16,044	113	4,604	92	5,099	568	4.2	61,001	454.9
2013	13,551,000	246	35,163	92	15,575	100	4,290	80	4,542	518	3.8	59,570	439.6
2014	13,685,200	251	32,105	71	13,742	110	4,053	85	4,181	517	3.8	54,081	395.2
2015	13,789,600	237	32,630	91	14,465	115	4,641	88	5,023	531	3.9	56,759	411.6
2016	13,976,320	254	32,044	98	14,287	136	4,694	91	4,468	579	4.1	55,493	397.1
2017	14,072,615	316	31,045	90	13,141	114	4,317	97	3,916	617	4.4	52,419	372.5

* Excludes motorcycle passengers, who are included with "All Others". ** Source: StatCan

Table 2.16: Sex of Driver Population by Age Groups, 2017

Sex of Driver	Age Groups							Total
	16-19	20-24	25-34	35-44	45-54	55-64	65+	
Male	249,904	442,822	916,007	853,837	944,237	895,022	937,923	**5,239,752**
Female	224,509	391,398	868,982	855,898	904,997	839,859	854,629	**4,940,272**
Total	**474,413**	**834,220**	**1,784,989**	**1,709,735**	**1,849,234**	**1,734,881**	**1,792,552**	**10,180,024**

Table 2.17: Driver Population by Age Groups, 1990–2017

Year	Age Groups							Total
	16-19	20-24	25-34	35-44	45-54	55-64	65+	
1990	322,542	629,478	1,666,474	1,467,699	964,925	728,380	669,385	**6,448,883**
1991	319,584	627,931	1,673,502	1,501,765	1,018,365	736,652	696,432	**6,574,231**
1992	314,685	623,707	1,665,433	1,528,726	1,082,883	745,759	727,568	**6,688,761**
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**
1996	361,571	612,060	1,608,567	1,717,050	1,297,289	805,486	856,144	**7,258,167**
1997	394,512	624,532	1,611,708	1,789,110	1,360,555	837,606	919,584	**7,537,607**
1998	412,589	634,053	1,593,744	1,845,474	1,415,258	872,426	954,212	**7,727,756**
1999	426,643	642,808	1,576,673	1,895,323	1,475,588	907,235	994,044	**7,918,314**
2000	438,170	659,331	1,582,207	1,935,150	1,540,499	939,838	1,026,179	**8,121,374**
2001	449,853	671,424	1,580,758	1,946,713	1,577,920	990,745	1,049,203	**8,266,616**
2002	458,627	686,561	1,580,837	1,945,944	1,612,219	1,053,877	1,075,439	**8,413,504**
2003	457,049	704,720	1,575,345	1,940,896	1,653,604	1,105,726	1,104,215	**8,541,555**
2004	453,157	719,861	1,567,346	1,929,418	1,698,350	1,157,824	1,129,641	**8,655,597**
2005	447,954	727,529	1,557,476	1,912,898	1,748,335	1,206,374	1,161,644	**8,762,210**
2006	461,058	736,575	1,550,313	1,888,582	1,793,515	1,252,613	1,185,309	**8,867,965**
2007	466,979	739,555	1,547,980	1,851,780	1,835,315	1,296,295	1,207,493	**8,945,397**
2008	478,950	744,491	1,553,552	1,808,597	1,875,742	1,339,948	1,241,006	**9,042,286**
2009	462,718	746,486	1,554,266	1,763,704	1,906,532	1,388,094	1,280,138	**9,101,938**
2010	478,342	765,075	1,572,436	1,740,128	1,927,499	1,441,906	1,319,881	**9,245,267**
2011	482,743	777,981	1,591,669	1,722,950	1,931,679	1,477,896	1,382,691	**9,367,609**
2012	481,601	790,157	1,610,128	1,710,796	1,924,202	1,509,382	1,454,653	**9,480,919**
2013	478,625	797,813	1,631,668	1,697,225	1,916,064	1,549,142	1,521,952	**9,592,489**
2014	473,531	803,311	1,656,912	1,686,188	1,903,892	1,591,871	1,588,339	**9,704,044**
2015	470,988	810,225	1,691,690	1,681,667	1,889,058	1,641,338	1,654,505	**9,839,471**
2016	468,061	821,656	1,737,393	1,691,167	1,875,312	1,688,950	1,721,205	**10,003,744**
2017	474,413	834,220	1,784,989	1,709,735	1,849,234	1,734,881	1,792,552	**10,180,024**

Table 2.18: Driver Licence Class by Sex, 2017

Licence Class	Driver Sex				Total	%
	Male	%	Female	%		
A	112,248	2.14	2,369	0.05	**114,617**	1.13
AB	4,982	0.10	761	0.02	**5,743**	0.06
ABM	2,408	0.05	188	0.00	**2,596**	0.03
ABM1	13	0.00	3	0.00	**16**	0.00
ABM2	149	0.00	34	0.00	**183**	0.00
AC	33,234	0.63	1,138	0.02	**34,372**	0.34
ACM	11,860	0.23	238	0.00	**12,098**	0.12
ACM1	150	0.00	6	0.00	**156**	0.00
ACM2	1,553	0.03	53	0.00	**1,606**	0.02
AM	26,111	0.50	222	0.00	**26,333**	0.26
AM1	289	0.01	1	0.00	**290**	0.00
AM2	3,086	0.06	55	0.00	**3,141**	0.03
B	18,018	0.34	16,675	0.34	**34,693**	0.34
BM	4,777	0.09	984	0.02	**5,761**	0.06
BM1	22	0.00	16	0.00	**38**	0.00
BM2	318	0.01	203	0.00	**521**	0.01
C	10,858	0.21	1,660	0.03	**12,518**	0.12
CM	2,063	0.04	99	0.00	**2,162**	0.02
CM1	31	0.00	1	0.00	**32**	0.00
CM2	365	0.01	35	0.00	**400**	0.00
D	152,725	2.91	16,650	0.34	**169,375**	1.66
DE	100	0.00	16	0.00	**116**	0.00
DEM	24	0.00	2	0.00	**26**	0.00
DEM1	0	0.00	0	0.00	**0**	0.00
DEM2	2	0.00	0	0.00	**2**	0.00
DF	3,628	0.07	358	0.01	**3,986**	0.04
DFM	964	0.02	60	0.00	**1,024**	0.01
DFM1	13	0.00	0	0.00	**13**	0.00
DFM2	196	0.00	9	0.00	**205**	0.00
DM	52,109	0.99	1,648	0.03	**53,757**	0.53
DM1	318	0.01	12	0.00	**330**	0.00
DM2	3,901	0.07	220	0.00	**4,121**	0.04
E	1,252	0.02	1,727	0.03	**2,979**	0.03

Table 2.18: Driver Licence Class by Sex, 2017 (continued)

Licence Class	Driver Sex				Total	%
	Male	%	Female	%		
EM	141	0.00	34	0.00	**175**	0.00
EM1	2	0.00	0	0.00	**2**	0.00
EM2	9	0.00	2	0.00	**11**	0.00
F	8,270	0.16	6,034	0.12	**14,304**	0.14
FM	1,278	0.02	296	0.01	**1,574**	0.02
FM1	17	0.00	8	0.00	**25**	0.00
FM2	306	0.01	102	0.00	**408**	0.00
G	3,682,565	70.28	4,066,217	82.31	**7,748,782**	76.12
G1	284,483	5.43	368,100	7.45	**652,583**	6.41
G1M	107	0.00	23	0.00	**130**	0.00
G1M1	511	0.01	71	0.00	**582**	0.01
G1M2	1,228	0.02	297	0.01	**1,525**	0.01
G2	371,866	7.10	370,445	7.50	**742,311**	7.29
G2M	277	0.01	59	0.00	**336**	0.00
G2M1	486	0.01	74	0.00	**560**	0.01
G2M2	3,385	0.06	483	0.01	**3,868**	0.04
GM	381,159	7.27	67,367	1.36	**448,526**	4.41
GM1	4,253	0.08	963	0.02	**5,216**	0.05
GM2	50,105	0.96	13,913	0.28	**64,018**	0.63
M	695	0.01	155	0.00	**850**	0.01
M1	131	0.00	17	0.00	**148**	0.00
M2	711	0.01	169	0.00	**880**	0.01
Other	0	0.00	0	0.00	**0**	0.00
Total	**5,239,752**	**100.00**	**4,940,272**	**100.00**	**10,180,024**	**100.00**

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1935–2017

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
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

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1935–2017 (continued)

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
1972	3,688,541	189,494	1,934	95,181
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
1996	7,258,167	215,024	929	88,445
1997	7,537,607	221,500	899	85,527
1998	7,727,756	213,356	854	83,192
1999	7,918,314	221,962	868	84,062
2000	8,121,374	240,630	849	85,009
2001	8,266,616	234,004	845	81,782
2002	8,413,504	244,642	873	84,192
2003	8,541,555	246,463	831	77,879
2004	8,655,597	231,548	799	73,008
2005	8,762,210	230,258	766	71,850
2006	8,867,965	216,247	769	68,793

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1935–2017 (continued)

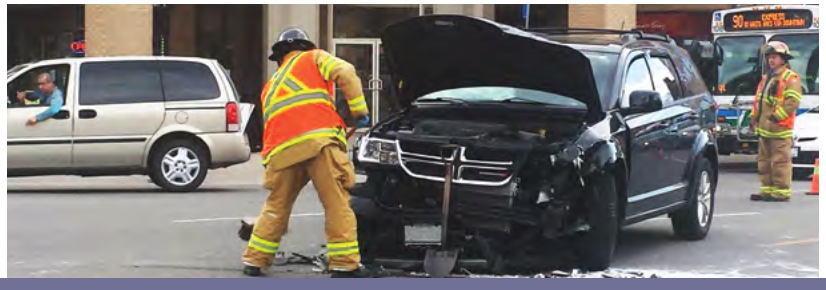
Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
2007	8,945,397	233,487	765	67,175
2008	9,042,286	229,196	631	62,743
2009	9,101,938	216,315	564	62,562
2010	9,245,267	215,533	579	64,514
2011	9,367,609	177,039	498	62,019
2012	9,480,919	172,868	568	61,001
2013	9,592,489	188,999	518	59,570
2014	9,704,044	217,557	517	54,081
2015	9,839,471	221,411	531	56,759
2016	10,003,744	208,404	579	55,493
2017	10,180,024	209,085	617	52,419

Table 2.20: Driver Age Groups—Number Licensed, Collision Involvement and Percent Involved in Collisions, 2017

Driver's 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	0	0	**0**	61	14	**75**	N/A	N/A	**N/A**
16	45,907	43,234	**89,141**	570	394	**964**	1.24	0.91	**1.08**
17	57,964	52,995	**110,959**	2,858	2,037	**4,895**	4.93	3.84	**4.41**
18	68,513	60,773	**129,286**	3,744	2,311	**6,055**	5.46	3.80	**4.68**
19	77,520	67,507	**145,027**	4,229	2,560	**6,789**	5.46	3.79	**4.68**
20	82,571	71,824	**154,395**	4,732	2,845	**7,577**	5.73	3.96	**4.91**
21-24	360,251	319,574	**679,825**	20,428	12,736	**33,164**	5.67	3.99	**4.88**
25-34	916,007	868,982	**1,784,989**	47,192	28,852	**76,044**	5.15	3.32	**4.26**
35-44	853,837	855,898	**1,709,735**	38,657	25,469	**64,126**	4.53	2.98	**3.75**
45-54	944,237	904,997	**1,849,234**	40,737	24,171	**64,908**	4.31	2.67	**3.51**
55-64	895,022	839,859	**1,734,881**	32,846	17,145	**49,991**	3.67	2.04	**2.88**
65-74	594,645	554,067	**1,148,712**	16,356	9,058	**25,414**	2.75	1.63	**2.21**
75 & over	343,278	300,562	**643,840**	8,667	4,948	**13,615**	2.52	1.65	**2.11**
Unknown *	0	0	**0**	35,912	0	**35,912**	N/A	N/A	**N/A**
Total	**5,239,752**	**4,940,272**	**10,180,024**	**256,989**	**132,540**	**389,529**	**4.90**	**2.68**	**3.83**

* This table includes people in the driver's position of parked vehicles and excludes drivers of some vehicles such as bicycles, snow and off-road vehicles, etc.

THE COLLISION



3. THE COLLISION

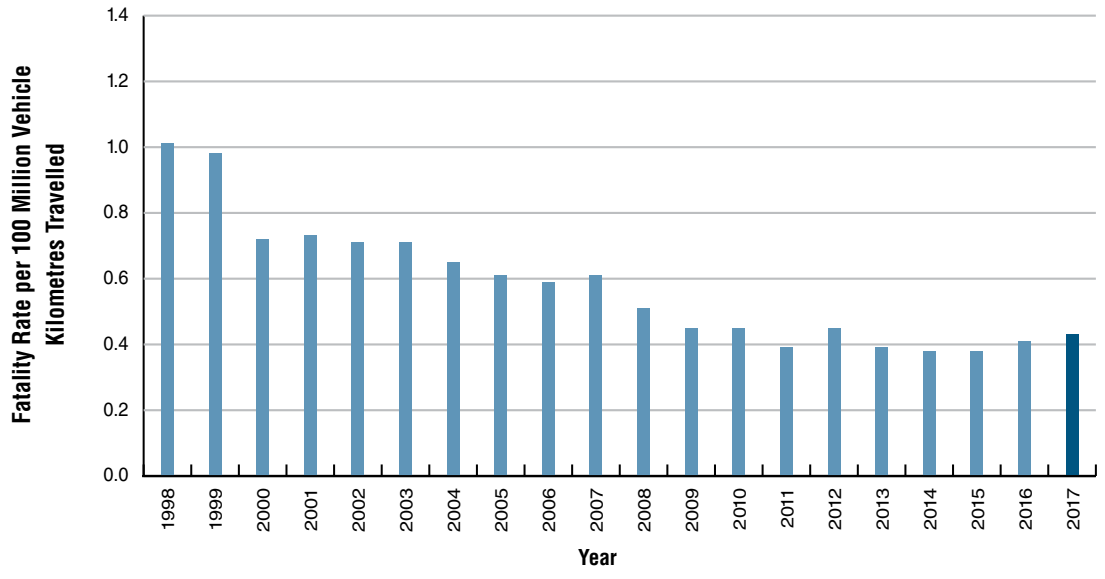
This section profiles the types of collisions that occur on Ontario's roads. To prevent motor vehicle collisions, we need to understand the context in which they occur, including hour of occurrence, day, month, collision type, location, and environmental factors. Identifying these contributing factors is an important step toward reducing collisions on Ontario's roads.

The number of fatal collisions increased from 527 in 2016 to 566 in 2017, up by 39. The number of injury collisions decreased from 39,685 in 2016 to 37,677 in 2017, down by 2008. The number of property damage collisions for 2017 was 170,842.

As of September 2015, the collision reporting threshold for property-damage-only collisions has increased from $1,000 to $2,000.

The fatality rate per 100 million kilometres travelled in Ontario increased from 0.41 in 2016 to 0.43 in 2017.

Figure 3 **Fatality Rate per 100 Million Vehicle Kilometres Travelled in Ontario, 1998–2017**



3A TYPES OF COLLISIONS

Table 3.1: Class of Collision, 1988–2017

Year	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
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**
1996	816	57,791	156,417	**215,024**
1997	807	56,121	164,572	**221,500**
1998	768	55,441	157,147	**213,356**
1999	763	55,764	165,435	**221,962**
2000	737	57,279	182,614	**240,630**
2001	733	54,479	178,792	**234,004**
2002	770	56,516	187,356	**244,642**
2003	754	52,757	192,952	**246,463**
2004	718	49,948	180,882	**231,548**
2005	684	49,584	179,990	**230,258**
2006	692	47,411	168,144	**216,247**
2007	683	47,014	185,790	**233,487**
2008	574	44,219	184,403	**229,196**
2009	516	44,054	171,745	**216,315**
2010	534	44,430	170,569	**215,533**
2011	466	44,076	132,497	**177,039**
2012	505	43,484	128,879	**172,868**
2013	470	42,408	146,121	**188,999**
2014	484	38,240	178,833	**217,557**
2015	479	40,508	180,424	**221,411**
2016	527	39,685	168,192	**208,404**
2017	566	37,677	170,842	**209,085**

Table 3.2: Collision Rate per One Million Kilometres Travelled, 1988–2017

Year	Collision Rate	Year	Collision Rate	Year	Collision Rate
1988	**3.2**	1998	**2.5**	2008	**1.84***
1989	**3.2**	1999	**2.5**	2009	**1.72***
1990	**3.0**	2000	**2.0***	2010	**1.66****
1991	**2.9**	2001	**2.0***	2011	**1.39****
1992	**3.1**	2002	**2.0***	2012	**1.36****
1993	**3.0**	2003	**2.1***	2013	**1.43****
1994	**2.9**	2004	**1.9***	2014	**1.61****
1995	**2.8**	2005	**1.8***	2015	**1.59****
1996	**2.7**	2006	**1.66***	2016	**1.48****
1997	**2.7**	2007	**1.87***	2017	**1.45***

* Based on Statistics Canada estimates of Vehicle Kilometres Travelled

** Based on Westbay Research Inc. estimates for CCMTA

Table 3.3: Motor Vehicles Involved in Collisions Based on Initial Impact, 2017

Motor Vehicle in Collision Involving	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Moveable Objects:				
Other Motor Vehicles	673	56,822	267,974	**325,469**
Unattended Vehicles	3	535	11,969	**12,507**
Pedestrian	116	3,947	233	**4,296**
Cyclist	12	1,986	472	**2,470**
Railway Train	1	2	11	**14**
Street Car	1	14	21	**36**
Farm Tractor	3	27	75	**105**
Domestic Animal	1	50	777	**828**
Wild Animal	1	365	11,175	**11,541**
Other Moveable Objects	7	357	783	**1,147**
Sub-total	**818**	**64,105**	**293,490**	**358,413**
Fixed Objects:				
Cable Guide Rail	2	66	379	**447**
Concrete Guide Rail	4	394	1,496	**1,894**
Steel Guide Rail	1	188	884	**1,073**
Pole (Utility Tower)	8	418	1,738	**2,164**
Pole (Sign/Parking Meter)	5	145	1,167	**1,317**
Fence/Noise Barrier	0	38	236	**274**
Culvert	1	32	47	**80**
Bridge Support	2	12	79	**93**

Table 3.3: Motor Vehicles Involved in Collisions Based on Initial Impact, 2017 (continued)

Motor Vehicle in Collision Involving	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Rock Face	4	50	59	**113**
Snow Bank or Drift	0	44	304	**348**
Ditch	12	454	1,475	**1,941**
Curb	3	305	1,177	**1,485**
Crash Cushion	0	20	39	**59**
Building or Wall	1	40	156	**197**
Water Course	0	1	5	**6**
Construction Marker	0	5	56	**61**
Tree, Shrub, or Stump	10	175	630	**815**
Other Fixed Object	2	107	836	**945**
Sub-total	**55**	**2,494**	**10,763**	**13,312**
Other Events:				
Ran Off Road	65	1,815	4,949	**6,829**
Skidding/Sliding	49	2,063	7,812	**9,924**
Jack-knifing	2	12	99	**113**
Load Spill	0	1	72	**73**
Fire/Explosion	7	1	93	**101**
Submersion	0	3	10	**13**
Rollover	4	227	332	**563**
Debris on Road	1	122	1,179	**1,302**
Debris off Vehicle	1	88	971	**1,060**
Other Non-Collision Event	4	519	1,452	**1,975**
Sub-total	**133**	**4,851**	**16,969**	**21,953**
Total	**1,006**	**71,450**	**321,222**	**393,678**

Table 3.4: Initial Impact Type by Class of Collision, 2017

Initial Impact Type	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Approaching	118	947	1,544	**2,609**
Angle	51	4,499	10,809	**15,359**
Rear End	52	10,452	51,844	**62,348**
Sideswipe	20	2,119	23,673	**25,812**
Turning Movement	53	8,316	32,048	**40,417**
With Unattended Motor Vehicle	2	376	10,104	**10,482**
Single Motor Vehicle	269	10,771	36,129	**47,169**
Other	1	197	4,691	**4,889**
Unknown	0	0	0	**0**
Total	**566**	**37,677**	**170,842**	**209,085**

3B TIME AND ENVIRONMENT

Table 3.5: Month of Occurrence by Class of Collision, 2017

Month of Occurrence	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
January	36	6.4	2,716	7.2	13,878	8.1	**16,630**	**8.0**
February	30	5.3	2,536	6.7	12,741	7.5	**15,307**	**7.3**
March	45	8.0	2,608	6.9	13,466	7.9	**16,119**	**7.7**
April	41	7.2	2,722	7.2	11,802	6.9	**14,565**	**7.0**
May	42	7.4	3,226	8.6	12,959	7.6	**16,227**	**7.8**
June	32	5.7	3,445	9.1	13,956	8.2	**17,433**	**8.3**
July	67	11.8	3,438	9.1	12,951	7.6	**16,456**	**7.9**
August	54	9.5	3,386	9.0	13,150	7.7	**16,590**	**7.9**
September	59	10.4	3,505	9.3	13,788	8.1	**17,352**	**8.3**
October	55	9.7	3,419	9.1	15,186	8.9	**18,660**	**8.9**
November	46	8.1	3,354	8.9	16,985	9.9	**20,385**	**9.7**
December	59	10.4	3,322	8.8	19,980	11.7	**23,361**	**11.2**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

Table 3.6: Day of Week by Class of Collision, 2017

Day of Occurrence	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
Monday	80	14.1	5,062	13.4	22,907	13.4	**28,049**	**13.4**
Tuesday	78	13.8	5,700	15.1	26,456	15.5	**32,234**	**15.4**
Wednesday	77	13.6	5,662	15.0	25,952	15.2	**31,691**	**15.2**
Thursday	76	13.4	5,897	15.7	27,513	16.1	**33,486**	**16.0**
Friday	106	18.7	6,429	17.1	30,031	17.6	**36,566**	**17.5**
Saturday	72	12.7	4,721	12.5	20,699	12.1	**25,492**	**12.2**
Sunday	77	13.6	4,206	11.2	17,284	10.1	**21,567**	**10.3**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

Table 3.7: Hour of Occurrence by Class of Collision, 2017

Hour of Occurrence A.M.	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
12 to 1 a.m.	21	3.7	512	1.4	2,605	1.5	**3,138**	**1.5**
1 to 2 a.m.	15	2.7	388	1.0	1,812	1.1	**2,215**	**1.1**
2 to 3 a.m.	10	1.8	392	1.0	1,561	0.9	**1,963**	**0.9**
3 to 4 a.m.	16	2.8	298	0.8	1,299	0.8	**1,613**	**0.8**
4 to 5 a.m.	7	1.2	257	0.7	1,251	0.7	**1,515**	**0.7**
5 to 6 a.m.	15	2.7	424	1.1	2,162	1.3	**2,601**	**1.2**
Sub-total	**84**	**14.8**	**2,271**	**6.0**	**10,690**	**6.3**	**13,045**	**6.2**
6 to 7 a.m.	28	4.9	1,028	2.7	4,714	2.8	**5,770**	**2.8**
7 to 8 a.m.	25	4.4	1,447	3.8	7,121	4.2	**8,593**	**4.1**
8 to 9 a.m.	16	2.8	2,045	5.4	10,180	6.0	**12,241**	**5.9**
9 to 10 a.m.	11	1.9	1,791	4.8	8,352	4.9	**10,154**	**4.9**
10 to 11 a.m.	28	4.9	1,641	4.4	7,808	4.6	**9,477**	**4.5**
11 to 12 noon	24	4.2	1,922	5.1	8,877	5.2	**10,823**	**5.2**
Sub-total	**132**	**23.3**	**9,874**	**26.2**	**47,052**	**27.5**	**57,058**	**27.3**
Hour of Occurrence P.M.								
12 to 1 p.m.	40	7.1	2,298	6.1	10,318	6.0	**12,656**	**6.1**
1 to 2 p.m.	31	5.5	2,316	6.1	9,977	5.8	**12,324**	**5.9**
2 to 3 p.m.	26	4.6	2,604	6.9	11,200	6.6	**13,830**	**6.6**
3 to 4 p.m.	35	6.2	3,098	8.2	13,534	7.9	**16,667**	**8.0**
4 to 5 p.m.	32	5.7	3,161	8.4	14,471	8.5	**17,664**	**8.4**
5 to 6 p.m.	27	4.8	3,290	8.7	15,040	8.8	**18,357**	**8.8**
Sub-total	**191**	**33.7**	**16,767**	**44.5**	**74,540**	**43.6**	**91,498**	**43.8**
6 to 7 p.m.	33	5.8	2,492	6.6	11,521	6.7	**14,046**	**6.7**
7 to 8 p.m.	35	6.2	1,801	4.8	8,098	4.7	**9,934**	**4.8**
8 to 9 p.m.	19	3.4	1,401	3.7	5,886	3.4	**7,306**	**3.5**
9 to 10 p.m.	20	3.5	1,255	3.3	5,276	3.1	**6,551**	**3.1**
10 to 11 p.m.	26	4.6	1,037	2.8	4,444	2.6	**5,507**	**2.6**
11 to 12 midnight	26	4.6	779	2.1	3,335	2.0	**4,140**	**2.0**
Sub-total	**159**	**28.1**	**8,765**	**23.3**	**38,560**	**22.6**	**47,484**	**22.7**
Unknown	0	0.0	0	0.0	0	0.0	**0**	**0.0**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

Table 3.8: Statutory Holidays, Holiday Weekends—Persons Killed and Injured in Fatal Collisions, 2017

Statutory Holiday*	Number of Fatal Collisions	Drivers		Passengers		Others		Total	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Easter Weekend	5	3	0	1	0	2	0	**6**	**0**
Victoria Day	0	0	0	0	0	0	0	**0**	**0**
Canada Day	6	4	1	0	0	2	0	**6**	**1**
Civic Holiday	5	4	2	1	4	0	0	**5**	**6**
Labour Day	2	2	2	1	3	0	0	**3**	**5**
Thanksgiving Day	3	2	0	0	0	1	0	**3**	**0**
Christmas/ Boxing Day	5	2	4	1	8	2	0	**5**	**12**

* Actual length may vary depending on the calendar year. For certain holidays, it might include the whole weekend.

Table 3.9: Light Condition by Class of Collision, 2017

Light Condition	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
Daylight	333	58.8	27,054	71.8	122,702	71.8	**150,089**	**71.8**
Dawn	12	2.1	608	1.6	3,290	1.9	**3,910**	**1.9**
Dusk	19	3.4	1,236	3.3	5,240	3.1	**6,495**	**3.1**
Darkness	200	35.3	8,775	23.3	39,416	23.1	**48,391**	**23.1**
Other	2	0.4	4	0.0	194	0.1	**200**	**0.1**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

Table 3.10: Visibility by Class of Collision, 2017

Visibility	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
Clear	466	82.3	30,478	80.9	136,575	79.9	**167,519**	**80.1**
Rain	53	9.4	4,197	11.1	16,298	9.5	**20,548**	**9.8**
Snow	23	4.1	2,135	5.7	13,818	8.1	**15,976**	**7.6**
Freezing Rain	2	0.4	230	0.6	1,302	0.8	**1,534**	**0.7**
Drifting Snow	6	1.1	200	0.5	883	0.5	**1,089**	**0.5**
Strong Wind	2	0.4	95	0.3	399	0.2	**496**	**0.2**
Fog, Mist, Smoke, or Dust	11	1.9	272	0.7	1,125	0.7	**1,408**	**0.7**
Other	3	0.5	70	0.2	442	0.3	**515**	**0.2**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

3C THE COLLISION LOCATION

Table 3.11: Road Jurisdiction by Class of Collision, 2017

Road Jurisdiction	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Municipal (Excluding Township Road)	225	21,615	99,956	**121,796**
Provincial Highway	160	6,648	32,973	**39,781**
Township	31	1,268	5,634	**6,933**
County or District	76	1,700	7,395	**9,171**
Regional Municipality	69	6,354	24,469	**30,892**
Federal	3	73	339	**415**
Other	2	19	76	**97**
Total	**566**	**37,677**	**170,842**	**209,085**

Table 3.12: Road Jurisdiction for All Collisions, 2008–2017

Road Jurisdiction*	Year									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Municipal	144,202	137,616	137,548	100,183	97,951	106,385	129,316	134,198	123,544	121,796
Provincial	40,494	35,800	33,816	36,857	34,411	39,500	39,978	38,872	38,174	39,781
Township	7,636	7,295	6,665	6,358	6,296	6,442	6,128	6,182	6,788	6,933
County or District	12,018	11,444	11,638	11,852	11,178	11,524	12,066	9,918	9,447	9,171
Regional Municipality	24,343	23,622	25,360	21,318	22,562	24,677	29,470	31,600	29,926	30,892
Federal	380	426	415	385	393	395	490	530	447	415
Other	123	112	91	86	77	76	109	111	78	97
Total	**229,196**	**216,315**	**215,533**	**177,039**	**172,868**	**188,999**	**217,557**	**221,411**	**208,404**	**209,085**

* Collisions may not be comparable across the different years due to transfer of highways between jurisdictions.

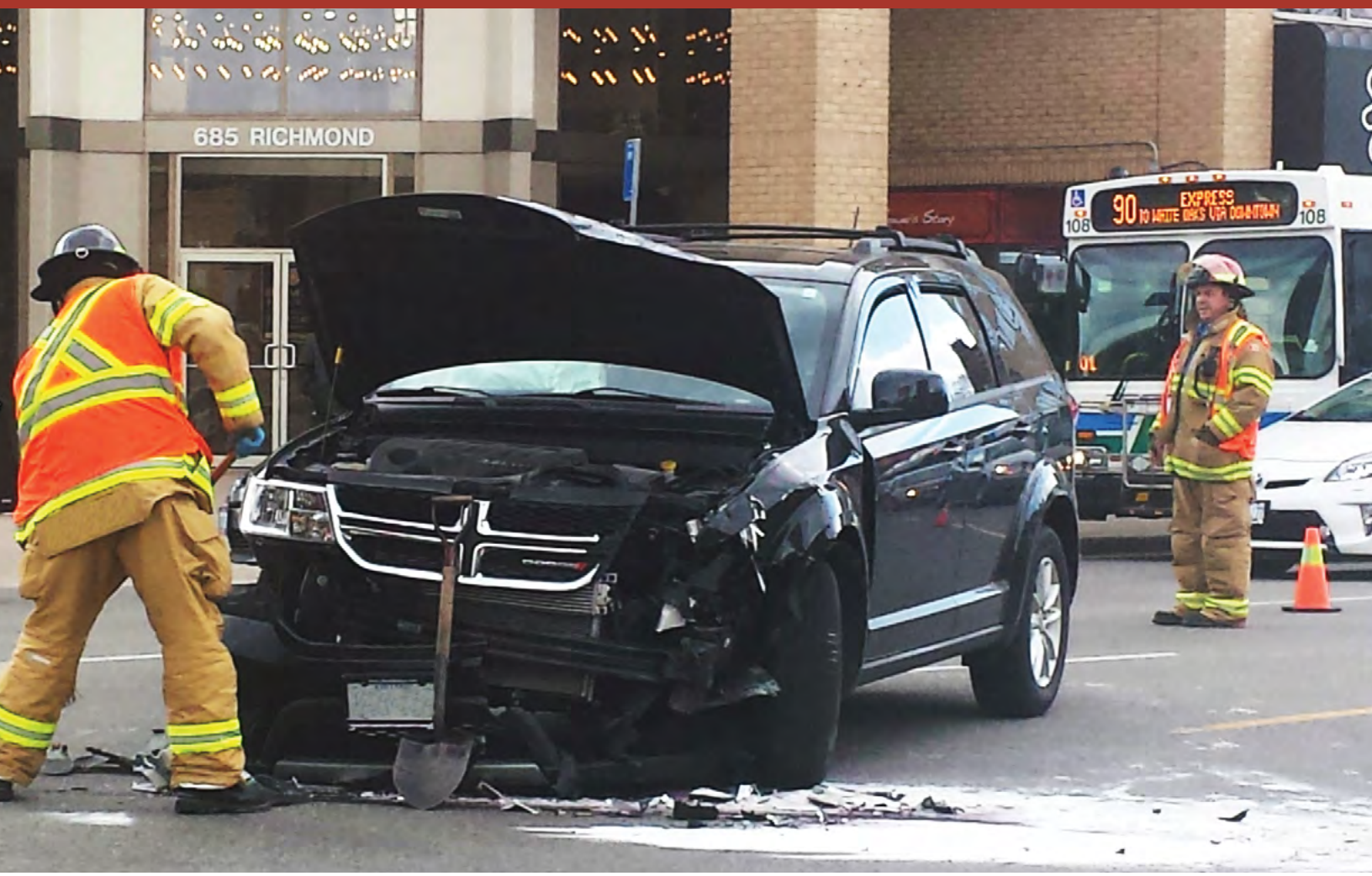
Table 3.13: Collision Location by Class of Collision, 2017

Road Location	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
Non-intersection	359	63.4	15,208	40.4	87,982	51.5	**103,549**	**49.5**
Intersection Related	69	12.2	8,455	22.4	34,184	20.0	**42,708**	**20.4**
At Intersection	105	18.6	11,153	29.6	31,353	18.4	**42,611**	**20.4**
At/Near Private Drive	27	4.8	2,631	7.0	16,156	9.5	**18,814**	**9.0**
At Railway	1	0.2	34	0.1	193	0.1	**228**	**0.1**
Underpass or Tunnel	0	0.0	15	0.0	81	0.0	**96**	**0.0**
Overpass or Bridge	3	0.5	111	0.3	400	0.2	**514**	**0.2**
Other	2	0.4	70	0.2	493	0.3	**565**	**0.3**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

Table 3.14: Road Surface Condition by Class of Collision, 2017

Road Surface Condition	Class of Collision						Total	%
	Fatal	%	Personal Injury	%	Property Damage	%		
Dry	427	75.4	27,593	73.2	121,872	71.3	**149,892**	**71.7**
Wet	101	17.8	6,846	18.2	27,043	15.8	**33,990**	**16.3**
Loose Snow	12	2.1	1,162	3.1	7,729	4.5	**8,903**	**4.3**
Slush	5	0.9	481	1.3	3,262	1.9	**3,748**	**1.8**
Packed Snow	8	1.4	615	1.6	4,695	2.7	**5,318**	**2.5**
Ice	10	1.8	796	2.1	5,382	3.2	**6,188**	**3.0**
Mud	0	0.0	1	0.0	43	0.0	**44**	**0.0**
Loose Sand or Gravel	1	0.2	120	0.3	345	0.2	**466**	**0.2**
Spilled Liquid	0	0.0	10	0.0	21	0.0	**31**	**0.0**
Other	2	0.4	53	0.1	450	0.3	**505**	**0.2**
Total	**566**	**100.0**	**37,677**	**100.0**	**170,842**	**100.0**	**209,085**	**100.0**

PLACE OF COLLISION



4. PLACE OF COLLISION

This section identifies the location of collisions in Ontario and provides a breakdown of the various classes of collision, the number of persons killed or injured and the number of motor vehicle registrations by municipality and county. The location of collisions provides vital information to MTO and local road authorities about the safety of Ontario's roads and highways. Comparing the number of collisions and injuries within specific municipalities over the years may help to highlight trends in road safety over time. This information helps MTO and local authorities to prioritize their infrastructure projects, enforcement activities, and education campaigns.

Changes to the names and boundaries of municipalities due to amalgamation or annexation may mean that the statistics found in Table 4.1 may not be comparable from year to year. Information about population numbers by Ontario's municipalities can be found at the Statistics Canada website at www.statcan.gc.ca. These figures can be used to determine per capita fatality or injury rates by municipality for comparison purpose.

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
ONTARIO TOTAL	**209,075**	**566**	**37,676**	**170,833**	**617**	**52,417**	**9,929,373***
Algoma							
Blind River T	11	0	3	8	0	3	
Elliot Lake C	52	0	6	46	0	6	
Huron Shores M	4	0	0	4	0	0	
Macdonald, Meredith & Aberdeen Addl TP	5	0	0	5	0	0	
Sault Ste. Marie C	1,248	2	193	1,053	2	283	
Provincial Highway	308	1	66	241	1	86	
Other Areas	78	1	12	65	1	16	
Algoma Total	**1,706**	**4**	**280**	**1,422**	**4**	**394**	**124,566**
Brant							
Brantford C	1,564	1	275	1,288	1	365	
Provincial Highway	234	0	37	197	0	53	
Other Areas	570	4	114	452	4	155	
Brant Total	**2,368**	**5**	**426**	**1,937**	**5**	**573**	**111,176**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Bruce							
Arran-Elderslie M	98	0	16	82	0	20	
Brockton M	194	0	24	170	0	36	
Huron-Kinloss TP	48	0	2	46	0	4	
Kincardine M	103	0	8	95	0	9	
Saugeen Shores T	172	0	30	142	0	38	
South Bruce Peninsula T	97	1	14	82	1	18	
Provincial Highway	200	3	41	156	6	67	
Other Areas	131	1	25	105	1	38	
Bruce Total	**1,043**	**5**	**160**	**878**	**8**	**230**	**78,629**
Chatham-Kent							
Provincial Highway	179	1	40	138	2	58	
Other Areas	1,475	11	246	1,218	12	343	
Chatham-Kent Total	**1,654**	**12**	**286**	**1,356**	**14**	**401**	**95,206**
Cochrane							
Black River-Matheson TP	7	0	0	7	0	0	
Cochrane T	39	1	1	37	1	1	
Hearst T	29	0	3	26	0	3	
Iroquois Falls T	24	0	6	18	0	8	
Kapuskasing T	62	0	13	49	0	14	
Timmins C	481	0	95	386	0	126	
Provincial Highway	197	2	36	159	5	51	
Other Areas	18	0	5	13	0	5	
Cochrane Total	**857**	**3**	**159**	**695**	**6**	**208**	**95,465**
Dufferin							
Amaranth TP	103	1	25	77	1	41	
East Garafraxa TP	69	0	16	53	0	23	
East Luther Grand Valley TP	26	1	4	21	1	8	
Melancthon TP	61	0	12	49	0	14	
Mono T	119	1	22	96	1	35	
Mulmur TP	109	1	25	83	1	37	
Orangeville T	273	1	39	233	1	45	
Shelburne T	84	0	13	71	0	17	
Provincial Highway	223	1	55	167	1	81	
Other Areas	0	0	0	0	0	0	
Dufferin Total	**1,067**	**6**	**211**	**850**	**6**	**301**	**59,486**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Durham							
Ajax T	1,082	2	281	799	2	403	
Brock TP	144	1	27	116	1	39	
Clarington M	775	1	185	589	1	266	
Oshawa C	2,184	6	511	1,667	6	719	
Pickering C	899	4	209	686	4	300	
Scugog TP	220	0	53	167	0	71	
Uxbridge TP	229	1	47	181	1	78	
Whitby T	1,408	3	308	1,097	3	456	
Provincial Highway	2,274	6	381	1,887	6	605	
Other Areas	0	0	0	0	0	0	
Durham Total	**9,215**	**24**	**2,002**	**7,189**	**24**	**2,937**	**500,284**
Elgin							
Aylmer T	66	0	10	56	0	17	
Bayham M	58	0	10	48	0	15	
Central Elgin M	155	0	34	121	0	49	
Dutton-Dunwich M	52	0	4	48	0	5	
Malahide TP	113	0	22	91	0	38	
Southwold TP	63	0	19	44	0	32	
St. Thomas C	317	0	80	237	0	108	
West Elgin M	58	0	12	46	0	15	
Provincial Highway	147	4	28	115	6	44	
Other Areas	0	0	0	0	0	0	
Elgin Total	**1,029**	**4**	**219**	**806**	**6**	**323**	**86,139**
Essex							
Amherstburg T	240	4	34	202	4	55	
Essex T	144	1	26	117	1	34	
Kingsville T	179	5	32	142	5	64	
Lakeshore T	357	4	69	284	4	87	
LaSalle T	210	1	37	172	1	46	
Leamington M	286	2	49	235	2	66	
Tecumseh T	259	2	49	208	3	62	
Windsor C	4,235	9	1,474	2,752	9	1,968	
Provincial Highway	338	6	75	257	7	121	
Other Areas	0	0	0	0	0	0	
Essex Total	**6,248**	**34**	**1,845**	**4,369**	**36**	**2,503**	**301,201**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Frontenac							
Central Frontenac TP	75	0	18	57	0	19	
Frontenac Islands TP	17	1	3	13	1	3	
Kingston C	1,641	1	318	1,322	1	427	
North Frontenac TP	29	1	4	24	1	5	
South Frontenac TP	214	1	47	166	1	61	
Provincial Highway	260	3	50	207	6	97	
Other Areas	0	0	0	0	0	0	
Frontenac Total	**2,236**	**7**	**440**	**1,789**	**10**	**612**	**123,774**
Grey							
Chatsworth TP	89	0	10	79	0	16	
Georgian Bluffs TP	122	1	20	101	1	26	
Grey Highlands M	194	0	26	168	0	34	
Hanover T	108	1	20	87	1	41	
Meaford M	98	0	12	86	0	15	
Owen Sound C	309	0	67	242	0	95	
Southgate TP	69	0	9	60	0	10	
The Blue Mountains T	111	0	15	96	0	27	
West Grey M	276	0	39	237	0	57	
Provincial Highway	366	3	56	307	3	90	
Other Areas	0	0	0	0	0	0	
Grey Total	**1,742**	**5**	**274**	**1,463**	**5**	**411**	**87,698**
Haldimand-Norfolk							
Provincial Highway	261	5	70	186	7	122	
Other Areas	1,200	11	252	937	12	337	
Haldimand-Norfolk Total	**1,461**	**16**	**322**	**1,123**	**19**	**459**	**112,499**
Haliburton							
Algonquin Highlands TP	22	0	1	21	0	1	
Dysart et al TP	95	0	11	84	0	16	
Highlands East M	53	0	14	39	0	17	
Minden Hills TP	97	1	7	89	1	9	
Provincial Highway	164	2	13	149	3	34	
Other Areas	0	0	0	0	0	0	
Haliburton Total	**431**	**3**	**46**	**382**	**4**	**77**	**27,015**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Halton							
Burlington C	1,846	2	266	1,578	2	358	
Halton Hills T	670	3	120	547	3	152	
Milton T	1,242	2	233	1,007	2	326	
Oakville T	1,758	3	261	1,494	3	331	
Provincial Highway	2,851	4	370	2,477	4	557	
Other Areas	0	0	0	0	0	0	
Halton Total	**8,367**	**14**	**1,250**	**7,103**	**14**	**1,724**	**417,134**
Hamilton							
Hamilton C	7,195	15	1,433	5,747	15	2,022	
Provincial Highway	1,373	7	189	1,177	9	290	
Other Areas	0	0	0	0	0	0	
Hamilton Total	**8,568**	**22**	**1,622**	**6,924**	**24**	**2,312**	**354,987**
Hastings							
Bancroft T	39	0	5	34	0	5	
Belleville C	772	1	154	617	1	208	
Centre Hastings M	39	0	8	31	0	8	
Deseronto T	5	0	2	3	0	5	
Faraday TP	21	1	5	15	1	6	
Hastings Highlands M	56	0	6	50	0	7	
Madoc TP	15	0	1	14	0	1	
Marmora and Lake M	24	0	4	20	0	5	
Stirling-Rawdon TP	41	0	5	36	0	6	
Tweed M	66	0	12	54	0	13	
Tyendinaga TP	79	0	24	55	0	33	
Provincial Highway	551	3	87	461	3	115	
Other Areas	447	0	86	361	0	110	
Hastings Total	**2,155**	**5**	**399**	**1,751**	**5**	**522**	**136,624**
Huron							
Ashfield-Colborne-Wawanosh TP	93	2	11	80	2	16	
Bluewater M	60	0	12	48	0	26	
Central Huron M	111	1	20	90	1	23	
Goderich T	57	0	6	51	0	7	
Howick TP	78	0	10	68	0	16	
Huron East M	100	0	16	84	0	27	

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Morris-Turnberry M	84	1	10	73	1	14	
North Huron TP	59	0	8	51	0	14	
South Huron M	89	1	17	71	1	26	
Provincial Highway	149	1	21	127	1	33	
Other Areas	0	0	0	0	0	0	
Huron Total	**880**	**6**	**131**	**743**	**6**	**202**	**59,067**
Kawartha Lakes							
Kawartha Lakes C	987	5	198	784	5	257	
Provincial Highway	217	4	45	168	4	65	
Other Areas	0	0	0	0	0	0	
Kawartha Lakes Total	**1,204**	**9**	**243**	**952**	**9**	**322**	**81,287**
Kenora							
Dryden C	107	0	10	97	0	11	
Kenora C	245	0	17	228	0	27	
Red Lake M	24	0	2	22	0	2	
Sioux Lookout M	41	0	5	36	0	8	
Provincial Highway	487	4	68	415	6	100	
Other Areas	75	0	7	68	0	17	
Kenora Total	**979**	**4**	**109**	**866**	**6**	**165**	**59,357**
Lambton							
Brooke-Alvinston TP	39	0	3	36	0	4	
Dawn-Euphemia TP	52	0	2	50	0	2	
Enniskillen TP	56	0	6	50	0	8	
Petrolia T	27	0	2	25	0	2	
Plympton-Wyoming T	72	0	13	59	0	24	
Point Edward V	29	0	3	26	0	3	
Sarnia C	881	3	152	726	3	214	
St. Clair TP	133	0	17	116	0	19	
Warwick TP	31	0	7	24	0	12	
Provincial Highway	191	3	33	155	3	43	
Other Areas	67	1	14	52	1	16	
Lambton Total	**1,578**	**7**	**252**	**1,319**	**7**	**347**	**107,381**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Lanark							
Beckwith TP	48	0	7	41	0	10	
Carleton Place T	86	0	13	73	0	15	
Lanark Highlands TP	107	0	24	83	0	27	
Mississippi Mills T	152	0	24	128	0	29	
Montague TP	34	0	5	29	0	5	
Perth T	87	0	16	71	0	20	
Smiths Falls ST	141	0	17	124	0	24	
Tay Valley TP	41	1	6	34	1	7	
Provincial Highway	170	3	24	143	3	50	
Other Areas	75	0	13	62	0	18	
Lanark Total	**941**	**4**	**149**	**788**	**4**	**205**	**69,547**
Leeds & Grenville							
Athens TP	32	1	8	23	1	11	
Augusta TP	73	0	15	58	0	16	
Brockville C	320	0	52	268	0	66	
Edwardsburgh/ Cardinal TP	45	0	9	36	0	10	
Elizabethtown-Kitley TP	112	0	29	83	0	42	
Front of Yonge TP	26	0	4	22	0	5	
Gananoque ST	41	0	7	34	0	8	
Leeds and the Thousand Islands TP	118	2	11	105	3	16	
Merrickville-Wolford V	33	0	4	29	0	4	
North Grenville M	169	2	20	147	2	25	
Prescott ST	46	0	8	38	0	10	
Rideau Lakes TP	137	1	16	120	1	25	
Provincial Highway	481	3	75	403	4	109	
Other Areas	4	0	0	4	0	0	
Leeds & Grenville Total	**1,637**	**9**	**258**	**1,370**	**11**	**347**	**99,976**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Lennox & Addington							
Addington Highlands TP	11	1	1	9	1	1	
Greater Napanee T	180	1	42	137	1	58	
Loyalist TP	119	0	29	90	0	33	
Stone Mills TP	77	0	11	66	0	12	
Provincial Highway	198	2	34	162	2	41	
Other Areas	0	0	0	0	0	0	
Lennox & Addington Total	**585**	**4**	**117**	**464**	**4**	**145**	**39,629**
Manitoulin							
Central Manitoulin M	20	0	3	17	0	3	
Provincial Highway	173	1	24	148	2	34	
Other Areas	95	2	13	80	2	16	
Manitoulin Total	**288**	**3**	**40**	**245**	**4**	**53**	**17,443**
Middlesex							
Adelaide-Metcalfe TP	97	0	18	79	0	26	
London C	6,668	5	874	5,789	5	1,240	
Lucan Biddulph TP	27	0	9	18	0	17	
Middlesex Centre M	344	4	69	271	4	96	
North Middlesex M	93	1	14	78	1	19	
Southwest Middlesex M	113	2	13	98	2	23	
Strathroy-Caradoc TP	253	1	34	218	1	43	
Provincial Highway	416	3	74	339	3	104	
Other Areas	200	4	34	162	4	52	
Middlesex Total	**8,211**	**20**	**1,139**	**7,052**	**20**	**1,620**	**330,621**
Muskoka							
Bracebridge T	162	1	16	145	1	20	
Georgian Bay TP	21	1	4	16	1	9	
Gravenhurst T	83	1	13	69	1	14	
Huntsville T	205	1	30	174	1	35	
Lake Of Bays TP	29	0	4	25	0	4	
Muskoka Lakes TP	149	0	15	134	0	18	
Provincial Highway	419	0	87	332	0	117	
Other Areas	7	0	2	5	0	3	
Muskoka Total	**1,075**	**4**	**171**	**900**	**4**	**220**	**74,241**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Niagara							
Fort Erie T	294	3	46	245	3	71	
Grimsby T	206	0	27	179	0	35	
Lincoln T	211	1	40	170	1	52	
Niagara Falls C	1168	7	183	978	7	251	
Niagara-On-The-Lake T	228	0	47	181	0	83	
Pelham T	141	0	22	119	0	32	
Port Colborne C	127	1	18	108	1	21	
St. Catharines C	1596	1	190	1405	1	248	
Thorold C	207	2	25	180	2	30	
Wainfleet TP	53	0	14	39	0	20	
Welland C	512	0	92	420	0	128	
West Lincoln TP	160	0	26	134	0	36	
Provincial Highway	1,288	3	218	1,067	3	345	
Other Areas	0	0	0	0	0	0	
Niagara Total	**6,191**	**18**	**948**	**5,225**	**18**	**1,352**	**367,387**
Nipissing							
Bonfield TP	15	0	2	13	0	2	
East Ferris TP	37	0	3	34	0	3	
Mattawa T	6	0	0	6	0	0	
North Bay C	699	0	124	575	0	178	
West Nipissing M	95	1	14	80	1	20	
Provincial Highway	476	5	93	378	5	129	
Other Areas	39	0	9	30	0	12	
Nipissing Total	**1,367**	**6**	**245**	**1,116**	**6**	**344**	**92,662**
Northumberland							
Alnwick-Haldimand TP	65	0	13	52	0	18	
Brighton M	105	1	15	89	1	20	
Cobourg T	226	2	24	200	2	27	
Cramahe TP	44	1	6	37	1	9	
Hamilton TP	154	0	30	124	0	42	
Port Hope M	135	2	23	110	2	34	

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Trent Hills M	140	0	19	121	0	22	
Provincial Highway	222	1	42	179	2	49	
Other Areas	6	0	0	6	0	0	
Northumberland Total	**1,097**	**7**	**172**	**918**	**8**	**221**	**88,893**
Ottawa							
Ottawa C	12,101	24	2,466	9,611	28	3,270	
Provincial Highway	1,629	6	231	1,392	6	306	
Other Areas	0	0	0	0	0	0	
Ottawa Total	**13,730**	**30**	**2,697**	**11,003**	**34**	**3,576**	**598,347**
Oxford							
East Zorra-Tavistock TP	72	1	13	58	1	29	
Ingersoll T	95	0	23	72	0	25	
Norwich TP	169	1	34	134	1	44	
Tillsonburg T	125	0	29	96	0	37	
Woodstock C	491	2	84	405	2	123	
Zorra TP	173	1	31	141	1	39	
Provincial Highway	375	1	63	311	1	94	
Other Areas	218	0	36	182	0	51	
Oxford Total	**1,718**	**6**	**313**	**1,399**	**6**	**442**	**104,748**
Parry Sound							
Magnetawan M	7	0	0	7	0	0	
Mcdougall M	15	0	2	13	0	2	
Nipissing TP	8	0	0	8	0	0	
Parry Sound T	105	0	17	88	0	17	
Perry TP	10	0	2	8	0	2	
Powassan M	16	0	0	16	0	0	
Provincial Highway	552	3	73	476	3	96	
Other Areas	158	2	20	136	2	26	
Parry Sound Total	**871**	**5**	**114**	**752**	**5**	**143**	**64,360**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Peel							
Brampton C	6,836	11	1,112	5,713	11	1,499	
Caledon T	1,009	6	212	791	6	328	
Mississauga C	6,197	13	846	5,338	15	1,061	
Provincial Highway	4,554	5	785	3,764	5	1,150	
Other Areas	0	0	0	0	0	0	
Peel Total	**18,596**	**35**	**2,955**	**15,606**	**37**	**4,038**	**885,351**
Perth							
North Perth M	157	1	36	120	1	50	
Perth East TP	188	2	44	142	2	66	
Perth South TP	107	2	30	75	2	39	
St. Marys ST	33	0	3	30	0	5	
Stratford C	416	0	64	352	0	89	
West Perth M	97	0	20	77	0	23	
Provincial Highway	174	1	43	130	1	60	
Other Areas	0	0	0	0	0	0	
Perth Total	**1,172**	**6**	**240**	**926**	**6**	**332**	**66,852**
Peterborough							
Asphodel-Norwood TP	45	1	5	39	1	10	
Cavan-Monaghan TP	77	0	26	51	0	32	
Douro-Dummer TP	77	0	13	64	0	16	
Galway-Cavendish-Harvey TP	75	2	8	65	3	13	
Havelock-Belmont-Methuen TP	54	2	5	47	2	9	
North Kawartha TP	25	0	2	23	0	2	
Otonabee-South Monaghan TP	68	1	15	52	1	22	
Peterborough C	1278	0	268	1010	0	379	
Smith-Ennismore-Lakefield TP	178	1	35	142	1	54	
Provincial Highway	285	3	61	221	3	89	
Other Areas	1	0	1	0	0	1	
Peterborough Total	**2,163**	**10**	**439**	**1,714**	**11**	**627**	**128,507**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Prescott & Russell							
Alfred and Plantagenet TP	104	0	17	87	0	23	
Casselman V	38	1	3	34	1	3	
Clarence-Rockland C	243	0	33	210	0	43	
East Hawkesbury TP	36	0	12	24	0	21	
Hawkesbury T	162	0	29	133	0	41	
Russell TP	123	1	25	97	1	28	
The Nation M	108	0	20	88	0	28	
Provincial Highway	166	0	34	132	0	52	
Other Areas	68	1	17	50	1	24	
Prescott & Russell Total	**1,048**	**3**	**190**	**855**	**3**	**263**	**99,854**
Prince Edward							
Provincial Highway	55	0	6	49	0	10	
Other Areas	273	2	40	231	2	51	
Prince Edward Total	**328**	**2**	**46**	**280**	**2**	**61**	**26,473**
Rainy River							
Atikokan T	23	0	2	21	0	3	
Fort Frances T	108	0	14	94	0	17	
Provincial Highway	215	0	22	193	0	30	
Other Areas	50	0	6	44	0	10	
Rainy River Total	**396**	**0**	**44**	**352**	**0**	**60**	**25,524**
Renfrew							
Admaston-Bromley TP	44	0	5	39	0	6	
Arnprior T	66	1	13	52	1	16	
Bonnechere Valley TP	28	0	2	26	0	2	
Brudenell, Lyndoch and Raglan TP	25	0	5	20	0	5	
Deep River T	10	0	0	10	0	0	
Greater Madawaska TP	39	0	7	32	0	10	
Horton TP	43	0	5	38	0	6	
Laurentian Hills T	12	0	3	9	0	3	
Laurentian Valley TP	102	0	18	84	0	23	
Madawaska Valley TP	41	0	5	36	0	7	

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
McNab-Braeside TP	54	2	10	42	3	12	
North Algona Wilberforce TP	36	0	6	30	0	6	
Pembroke C	204	0	45	159	0	51	
Petawawa T	118	0	22	96	0	27	
Renfrew T	41	0	4	37	0	4	
Whitewater Region TP	77	1	17	59	1	21	
Provincial Highway	464	1	68	395	1	87	
Other Areas	42	0	2	40	0	2	
Renfrew Total	**1,446**	**5**	**237**	**1,204**	**6**	**288**	**111,612**
Simcoe							
Adjala-Tosorontio TP	163	2	37	124	2	50	
Barrie C	2,463	3	308	2,152	3	467	
Bradford West Gwillimbury T	520	1	57	462	1	79	
Clearview TP	293	1	54	238	1	73	
Collingwood T	254	0	36	218	0	45	
Essa TP	285	2	58	225	2	87	
Innisfil T	477	3	106	368	4	157	
Midland T	288	0	38	250	0	68	
New Tecumseth T	387	1	86	300	1	115	
Orillia C	442	0	77	365	0	109	
Oro-Medonte TP	163	1	30	132	1	45	
Penetanguishene T	52	0	10	42	0	15	
Ramara TP	106	0	26	80	0	31	
Severn TP	136	1	23	112	1	30	
Tay TP	54	0	7	47	0	10	
Tiny TP	91	2	26	63	2	38	
Wasaga Beach T	194	1	29	164	1	43	
Provincial Highway	1,745	4	259	1,482	6	407	
Other Areas	296	1	51	244	1	86	
Simcoe Total	**8,409**	**23**	**1,318**	**7,068**	**26**	**1,955**	**444,943**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Stormont, Dundas & Glengarry							
Cornwall C	723	0	116	607	0	143	
North Dundas TP	127	3	7	117	3	17	
North Glengarry TP	136	0	22	114	0	30	
North Stormont TP	64	0	11	53	0	14	
South Dundas TP	101	6	20	75	7	30	
South Glengarry TP	109	0	27	82	0	34	
South Stormont TP	106	0	16	90	0	19	
Provincial Highway	312	6	65	241	6	101	
Other Areas	12	0	7	5	0	8	
Stormont, Dundas & Glengarry Total	**1,690**	**15**	**291**	**1,384**	**16**	**396**	**103,352**
Sudbury							
Chapleau TP	7	0	2	5	0	2	
Espanola T	46	0	6	40	0	8	
French River M	8	0	3	5	0	3	
Greater Sudbury C	2,472	7	427	2,038	7	617	
Markstay-Warren M	13	0	3	10	0	4	
Provincial Highway	530	7	111	412	9	151	
Other Areas	42	0	7	35	0	10	
Sudbury Total	**3,118**	**14**	**559**	**2,545**	**16**	**795**	**202,751**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Thunder Bay							
Greenstone M	26	0	3	23	0	4	
Manitouwadge TP	5	0	1	4	0	1	
Marathon T	15	0	0	15	0	0	
Neebing M	7	0	0	7	0	0	
Nipigon TP	39	2	0	37	2	0	
Oliver Paipoonge M	33	0	6	27	0	8	
Shuniah M	23	0	2	21	0	2	
Terrace Bay TP	5	0	1	4	0	1	
Thunder Bay C	1,938	1	284	1,653	1	372	
Provincial Highway	1,589	21	265	1,303	25	375	
Other Areas	132	0	16	116	0	24	
Thunder Bay Total	**3,812**	**24**	**578**	**3,210**	**28**	**787**	**152,923**
Timiskaming							
Englehart T	7	0	2	5	0	3	
Kirkland Lake T	97	0	14	83	0	18	
Temiskaming Shores C	92	0	11	81	0	12	
Provincial Highway	208	2	56	150	2	78	
Other Areas	33	0	5	28	0	6	
Timiskaming Total	**437**	**2**	**88**	**347**	**2**	**117**	**41,861**
Toronto							
Toronto C	40,297	60	6,508	33,729	62	9,005	
Provincial Highway	7,764	6	1,360	6,398	6	2,007	
Other Areas	0	0	0	0	0	0	
Toronto Total	**48,061**	**66**	**7,868**	**40,127**	**68**	**11,012**	**1,288,338**

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Waterloo							
Cambridge C	1,972	2	509	1,461	2	674	
Kitchener C	3,340	2	795	2,543	2	1,067	
North Dumfries TP	189	2	41	146	2	62	
Waterloo C	1600	1	321	1278	1	418	
Wellesley TP	96	2	26	68	2	41	
Wilmot TP	207	1	54	152	1	81	
Woolwich TP	412	0	100	312	0	128	
Provincial Highway	1,331	1	225	1,105	1	321	
Other Areas	0	0	0	0	0	0	
Waterloo Total	**9,147**	**11**	**2,071**	**7,065**	**11**	**2,792**	**397,436**
Wellington							
Centre Wellington TP	322	1	61	260	1	78	
Erin T	122	1	19	102	1	25	
Guelph C	1,592	5	327	1,260	5	454	
Guelph/Eramosa TP	244	1	43	200	1	52	
Mapleton TP	118	1	25	92	2	39	
Minto T	94	0	14	80	0	22	
Puslinch TP	183	1	36	146	1	49	
Wellington North TP	121	1	14	106	1	23	
Provincial Highway	637	2	120	515	2	183	
Other Areas	0	0	0	0	0	0	
Wellington Total	**3,433**	**13**	**659**	**2,761**	**14**	**925**	**183,343**
York							
Aurora T	484	0	97	387	0	128	
East Gwillimbury T	376	1	95	280	1	145	
Georgina T	357	1	62	294	2	94	
King TP	457	2	93	362	2	135	
Markham T	2,737	7	672	2,058	7	926	
Newmarket T	688	1	148	539	1	193	

Table 4.1: Place of Collision—Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2017 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Richmond Hill T	1,672	1	456	1,215	1	595	
Vaughan C	3,859	5	977	2,877	6	1,370	
Whitchurch Stouffville T	307	1	85	221	1	124	
Provincial Highway	2,383	7	369	2,007	8	568	
Other Areas	0	0	0	0	0	0	
York Total	**13,320**	**26**	**3,054**	**10,240**	**29**	**4,278**	**803,424**

* This number does not match the vehicle population in Table 5.5; it does not include 10,690 vehicles that are not associated with a county or region in Ontario.

Legend:
C = City
T = Town
TP = Township
M = Municipality
ST = Separated Town
V = Village

Other Areas:
Includes jurisdictions with less than 1,500 population and/or experienced amalgamations/annexation, or name change after 1992.

Table 4.1 is not comparable to previous years.

The figures above do not include one injury collision and 9 property-damage only collisions whose locations were unknown.

THE VEHICLE

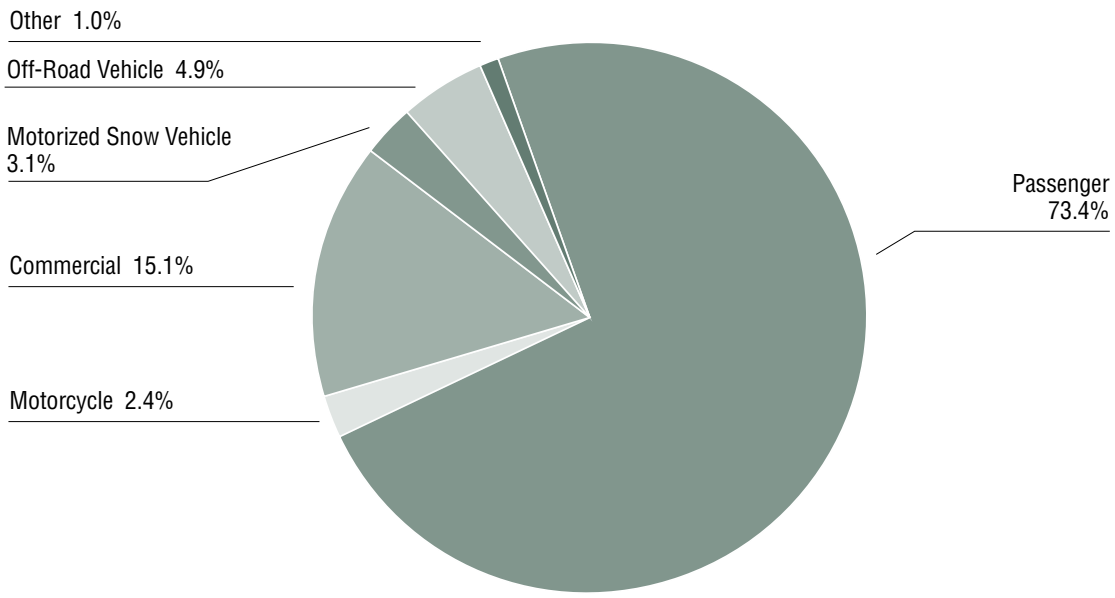
5. THE VEHICLE

This section examines the types of vehicles involved in motor vehicle collisions in Ontario.

In 2017, passenger vehicles made up about 73% of the vehicle population in Ontario; they also represented about 78% of all vehicles involved in collisions.

Only about 1% of all motor vehicles involved in collisions had apparent mechanical defects.

Figure 5 **Vehicle Population by Vehicle Class in Ontario, 2017**



5A VEHICLES IN COLLISIONS

Table 5.1: Vehicles Involved in Collisions, 2017

Type of Vehicle	Number of Vehicles Involved in Collisions			
	Fatal	Personal Injury	Property Damage	Total
Passenger Car	533	53,142	237,177	**290,852**
Passenger Van	45	3,488	12,795	**16,328**
Motorcycle & Moped	72	1,490	641	**2,203**
Pick-up Truck	133	6,132	31,143	**37,408**
Delivery Van	17	770	4,033	**4,820**
Tow Truck	4	127	518	**649**
Truck	151	2,297	12,122	**14,570**
Bus	9	653	2,279	**2,941**
School Vehicle	3	160	973	**1,136**
Off-Road Vehicle	3	40	17	**60**
Snowmobile	3	10	19	**32**
Snow Plow	0	38	348	**386**
Emergency Vehicle	0	246	1,099	**1,345**
Farm Vehicle	6	54	177	**237**
Construction Equipment	1	38	181	**220**
Motor Home	2	9	75	**86**
Railway Train	1	3	13	**17**
Street Car	2	49	82	**133**
Bicycle	14	2,095	544	**2,653**
Other	3	53	225	**281**
Other Non-Motor Vehicle	3	136	1,302	**1,441**
Unknown	1	420	15,459	**15,880**
Total	**1,006**	**71,450**	**321,222**	**393,678**

Table 5.2: Condition of Vehicle by Class of Collision, 2017

Condition of Vehicle	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
No Apparent Defect	951	68,383	296,130	**365,464**
Service Brakes Defective	2	63	199	**264**
Steering Defective	1	21	91	**113**
Tire Puncture or Blow Out	1	58	211	**270**
Tire Tread Insufficient	3	76	157	**236**
Headlamps Defective	1	14	53	**68**
Other Lamps or Reflectors Defective	2	12	63	**77**
Engine Controls Defective	0	20	76	**96**
Wheels or Suspension Defective	1	22	223	**246**
Vision Obscured	1	10	28	**39**
Trailer Hitch Defective	0	3	21	**24**
Other Defects	13	240	1,669	**1,922**
Unknown	30	2,528	22,301	**24,859**
Total	**1,006**	**71,450**	**321,222**	**393,678**

Table 5.3: Model Year of Vehicle by Class of Collision, 2017

Model Year of Vehicle	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
2018	6	304	1,781	**2,091**
2017	59	4,009	21,071	**25,139**
2016	72	5,484	27,786	**33,342**
2015	69	5,040	25,769	**30,878**
2014	66	4,538	21,552	**26,156**
2013	46	4,550	21,522	**26,118**
2012	53	4,288	20,125	**24,466**
2011	41	3,893	18,560	**22,494**
2010	47	4,327	19,710	**24,084**
2009	39	3,853	16,033	**19,925**
2008 and earlier	477	27,615	109,669	**137,761**
Unknown	31	3,549	17,644	**21,224**
Total	**1,006**	**71,450**	**321,222**	**393,678**

Table 5.4: Insurance Status of Vehicle by Class of Collision, 2017

Insurance	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Insured	956	68,677	301,231	**370,864**
Not Insured	33	719	1,394	**2,146**
Unknown	17	2,054	18,597	**20,668**
Total	**1,006**	**71,450**	**321,222**	**393,678**

5B PUTTING THE VEHICLE IN CONTEXT

Table 5.5: Vehicle Population by Type of Vehicle, 2017

Vehicle Class	Vehicle Population
Passenger	7,297,061
Motorcycle	239,983
Moped	608
Commercial *	1,505,215
Bus	22,861
School Bus	11,942
Motorized Snow Vehicle	309,199
Off-Road Vehicle	485,596
Road Building Machinery	209
Permanent Apparatus	2,752
Farm Trucks	64,637
Total	**9,940,063**

* Excludes vehicles registered under the PRORATE-P program (75,885 vehicles).

Table 5.6: Selected Types of Vehicles by Model Year, 2018 and earlier

Vehicle Class	Model Year											Total
	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008 and earlier	
Passenger	124,742	610,203	572,312	568,433	499,683	512,114	466,655	427,945	477,821	391,907	2,645,246	**7,297,061**
Motorcycle	638	6,795	9,010	10,095	9,980	10,069	9,292	8,563	8,016	15,451	152,074	**239,983**
Moped	0	0	4	1	1	9	4	2	8	9	570	**608**
Commercial *	27,620	156,039	140,353	105,614	93,940	79,574	77,717	91,562	85,134	62,676	652,584	**1,572,813**
Bus	920	2,509	2,436	2,000	2,178	2,743	2,494	2,215	2,334	2,742	12,232	**34,803**
Motorized Snow Vehicle	4,792	8,321	10,590	8,514	6,074	5,437	5,731	5,695	6,116	6,770	241,159	**309,199**
Off-Road Vehicle	2,722	17,518	19,286	15,301	18,253	16,621	15,642	15,214	10,227	19,200	335,612	**485,596**
Total	**161,434**	**801,385**	**753,991**	**709,958**	**630,109**	**626,567**	**577,535**	**551,196**	**589,656**	**498,755**	**4,039,477**	**9,940,063**

* Excludes vehicles registered under the PRORATE-P program (75,885 vehicles)

Table 5.7: Vehicle Damage Level by Class of Collision, 2017

Damage	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
None	41	5,619	12,816	**18,476**
Light	106	17,837	131,662	**149,605**
Moderate	152	20,472	110,931	**131,555**
Severe	162	16,277	32,226	**48,665**
Demolished	513	7,579	6,827	**14,919**
Unknown	32	3,666	26,760	**30,458**
Total	**1,006**	**71,450**	**321,222**	**393,678**

Vehicle Damage

None: No visible damage.
Light: Slight or superficial damage. Includes scratches, small dents, 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 requirements of law. Vehicle can be driven off-road or 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 feasible.

SPECIAL VEHICLES

6. SPECIAL VEHICLES

This section examines vehicles of special interest, including motorcycles, school buses, large trucks, snowmobiles, off-road vehicles, and bicycles.

The ministry is continuously monitoring the safety of special vehicle types as many fatalities and injuries result from collisions that occur off road and involve off-road vehicles and snowmobiles. Safety of some other vehicle types such as bicyclists, motorcyclists, school buses or large trucks is always at the centre of public scrutiny.

6A MOTORCYCLES

Table 6.1: Motorcyclists* Killed and Injured, 2008–2017

	Drivers		Passengers	
Year	Killed	Injured	Killed	Injured
2008	50	1,199	3	366
2009	38	1,236	1	425
2010	45	1,230	2	462
2011	36	1,326	2	478
2012	54	1,338	1	478
2013	47	1,250	3	431
2014	56	1,177	5	313
2015	57	1,583	6	159
2016	60	1,498	5	156
2017	65	1,372	4	141

* Excludes hangers on, moped drivers and passengers.

Table 6.2: Selected Factors Relevant to Fatal Motorcycle Collisions, 2017

Factors (not mutually exclusive)	%
Unlicensed Motorcycle Drivers	4.4
Under 25 Years Old	5.6
Alcohol Used	
Ability Impaired Alcohol > .08	8.8
Had Been Drinking	10.3
Unknown	5.6
Helmet Not Worn (Fatalities)	0.0
Motorcycle Driver Error	
Speed Too Fast/Lost Control	15.3
Other Error	23.6
Single Vehicle Collisions	24.6
Day/Night	78.5/18.5
Weekend	41.5

6B SCHOOL VEHICLES

Table 6.3: Pupils Transported Daily, Total Number of School Vehicles Involved in Collisions—School Years 2012/2013–2016/2017

School Year	Pupils Transported Daily	Total Number of School Vehicles in Collisions
2012/2013	833,685	**1,097**
2013/2014	834,228	**1,445**
2014/2015	837,173	**1,293**
2015/2016	828,508	**1,037**
2016/2017	836,032	**1,064**

Table 6.4: Collisions Involving School Vehicles by Type and Nature of Collision, 2016/2017

School Vehicle Type	Nature of Collision				Total Number of Collisions	Five Year Total (2012/2013–2016/2017)
	Fatal	Pupil Injury	Non-Pupil Injury	Property Damage		
School Bus	3	61	99	813	**976**	**5,541**
School Van	0	0	1	12	**13**	**101**
Other School Vehicles	0	6	5	50	**61**	**258**
Total	**3**	**67**	**105**	**875**	1,050	**5,900**

Table 6.5: Pupil Injury by Collision Event and Vehicle Type, 2016/2017 (Number of Persons)

School Vehicle Type	Collision Event						Total		Five Year Total (2012/2013–2016/2017)	
	Crossing Road		Within School Vehicle		Other					
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
School Bus	0	0	0	98	0	14	0	112	**0**	416
School Van	0	0	0	0	0	0	0	0	**0**	11
Other School Vehicles	0	0	0	6	0	0	0	6	**0**	13
Total	**0**	**0**	**0**	**104**	**0**	**14**	**0**	**118**	**0**	**440**

6C LARGE TRUCKS

Table 6.6: Number of Persons Killed in Collisions Involving Trucks, 2013–2017

Year	Persons Killed in Truck Collisions			
	Where Truck Driver Not Driving Properly	% Where Truck Driver Not Driving Properly	All Truck Collisions	% of Total Deaths
2013	29	30.2	96	**18.5**
2014	36	33.0	109	**21.1**
2015	31	32.6	95	**17.9**
2016	37	32.7	113	**19.5**
2017	46	32.6	141	**22.9**
Total	**179**	**32.3**	**554**	**20.1**

Table 6.7: Number of Trucks in All Classes of Collisions, 2017

Truck Types	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Straight Truck	45	975	5,427	**6,447**
Straight Truck & Trailer	4	130	548	**682**
Tractor Only	2	172	1,274	**1,448**
Tractor & Semi-Trailer	82	876	4,076	**5,034**
"A-C" Train Double	2	21	108	**131**
"B" Train Double	7	26	121	**154**
Other/Unknown	13	224	1,086	**1,323**
Total	**155**	**2,424**	**12,640**	**15,219**

Table 6.8: Registered Trucks, 2017

Driver Licence Required	Registered Trucks
G	1,355,276
D	51,285
A*	242,137**
Total	**1,648,698**

* Tractor/trailer combination only.

** Includes vehicles registered under the PRORATE-P program (75,885 vehicles).

Table 6.9: Selected Factors Relevant to Fatal Truck Collisions, 2017

Factors in Fatal Collisions:	%
Drivers	
Alcohol Involved	1
Driving Properly	73
Collisions	
Single Vehicle	22
Weather Condition - Clear	85
Daylight	72
Vehicles	
Vehicle Defect Present *	1

* Excludes unknown category.

6D OFF-ROAD VEHICLES

Table 6.10: Drivers of Off-Road Vehicles Killed and Injured by Collision Location*, 2013–2017

Location	Killed					Injured				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
On-Highway	11	8	10	15	8	118	106	86	91	117
Off-Highway	9	3	8	15	13	115	106	123	125	116
Total	**20**	**11**	**18**	**30**	**21**	**233**	**212**	**209**	**216**	**233**

* Beginning with the 2004 ORSAR edition, the ORV statistics include casualties of all "on-highway" and "off-highway" collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

Table 6.11a: Passengers of Off-Road Vehicles Killed and Injured, by Collision Location*, 2013–2017

Location	Killed					Injured				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
On-Highway	1	0	0	0	1	84	63	63	47	42
Off-Highway	0	0	1	1	1	87	51	83	72	54
Total	**1**	**0**	**1**	**1**	**2**	**171**	**114**	**146**	**119**	**96**

* Beginning with the 2004 ORSAR edition, the ORV statistics include casualties of all “on-highway” and “off-highway” collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

Table 6.11b: Pedestrians Killed and Injured by Off-Road Vehicles, by Collision Location*, 2013–2017

Location	Killed					Injured				
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
On-Highway	0	0	0	0	0	3	0	5	9	3
Off-Highway	0	0	0	0	0	3	2	4	4	1
Total	**0**	**0**	**0**	**0**	**0**	**6**	**2**	**9**	**13**	**4**

* Beginning with the 2004 ORSAR edition, the ORV statistics include casualties of all "on-highway" and "off-highway" collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

Table 6.12: Registered Off-Road Vehicles, 2013–2017

Year	Vehicles Registered
2013	407,585
2014	423,822
2015	442,499
2016	462,636
2017	485,596

Table 6.13: Selected Factors Relevant to All Off-Road Vehicle Collisions, 2017

Factors	%
Drivers Under 25 Years of Age	40
Alcohol Used	20
Speeding	17
Helmet Not Worn	36
Daytime	73
Two-Wheeled	16
Three-Wheeled	1
Four-Wheeled	83

6E MOTORIZED SNOW VEHICLES

Table 6.14: Drivers of Motorized Snow Vehicles* Killed and Injured by Collision Location—Riding Seasons 2012/2013–2016/2017

Location	Killed					Injured				
	12/13	13/14	14/15	15/16	16/17	12/13	13/14	14/15	15/16	16/17
On-Highway	6	9	3	1	7	30	61	26	19	31
Off-Highway	17	10	14	10	19	91	122	107	90	112
Total	**23**	**19**	**17**	**11**	**26**	**121**	**183**	**133**	**109**	**143**

* Beginning with the 2004 ORSAR edition, the motorized snow vehicle (MSV) statistics include casualties of all "on-highway" and "off-highway" collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

Table 6.15a: Passengers of Motorized Snow Vehicles* Killed and Injured by Collision Location—Riding Seasons 2012/2013–2016/2017

Location	Killed					Injured				
	12/13	13/14	14/15	15/16	16/17	12/13	13/14	14/15	15/16	16/17
On-Highway	0	1	0	0	0	27	27	5	2	10
Off-Highway	1	1	1	1	2	64	71	16	12	14
Total	**1**	**2**	**1**	**1**	**2**	**91**	**98**	**21**	**14**	**24**

* Beginning with the 2004 ORSAR edition, the motorized snow vehicle (MSV) statistics include casualties of all "on-highway" and "off-highway" collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statstics provided in earlier editions of ORSAR.

Table 6.15b: Pedestrians Killed and Injured by Motorized Snow Vehicles* by Collision Location—Riding Seasons 2012/2013–2016/2017

Location	Killed					Injured				
	12/13	13/14	14/15	15/16	16/17	12/13	13/14	14/15	15/16	16/17
On-Highway	0	1	0	0	0	0	2	4	0	3
Off-Highway	0	1	0	1	0	2	4	4	2	3
Total	**0**	**2**	**0**	**1**	**0**	**2**	**6**	**8**	**2**	**6**

* Beginning with the 2004 ORSAR edition, the motorized snow vehicle (MSV) statistics include casualties of all "on-highway" and "off-highway" collisions, and not only HTA reportable collisions. As a result, provided statistics are not comparable with the statstics provided in earlier editions of ORSAR.

Table 6.16: Registered Motorized Snow Vehicles, 2013–2017

Year	Registered Motorized Snow Vehicles
2013	304,634
2014	308,578
2015	306,509
2016	304,590
2017	309,199

Table 6.17: Selected Factors Relevant to All Motorized Snow Vehicle Collisions—Riding Season 2016/2017

Factors	%
Unlicensed Operators	8
Rider Error; Speed too Fast	20
Alcohol Used	13
Surface Condition; Icy or Packed Snow	70

6F BICYCLES

Note: The following three tables consider bicycles involved in HTA reportable* collisions only.

Table 6.18: Bicyclists* Killed and Injured, 2013–2017

Year	Drivers		Passengers	
	Killed	Injured	Killed	Injured
2013	24	2,054	1	427
2014	16	1,785	0	288
2015	20	2,295	0	138
2016	19	2,302	0	99
2017	14	1,932	0	61

* Includes hangers on.

Table 6.19: Bicyclists Involved in Collisions by Light Condition, 2017*

Light Condition	Bicyclists Involved
Daylight	2,117
Dawn	29
Dusk	100
Dark	399
Other	0
Unknown	0
Total	**2,645**

* An age breakdown is not available due to the transition to an electronic collision reporting system. This issue will be addressed in future annual reports. As a result, provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

Table 6.20: Selected Factors Relevant to All Bicycle Collisions, 2017

Factors	%
Driving Properly (Bicyclist)*	0
Driving Properly (Motor Vehicle Driver)	46
Intersection Related	68
Going Ahead (Bicyclist)	85
Alcohol Related (Bicyclist)*	0
No Apparent Vehicle Defect (Bicycle)	98
Clear Visibility	91
Weekend	19

* Not available due to the transition to an electronic collision reporting system. This issue will be addressed in future annual reports. As a result, the provided statistics are not comparable with the statistics provided in earlier editions of ORSAR.

CONVICTION, OFFENCE AND SUSPENSION DATA

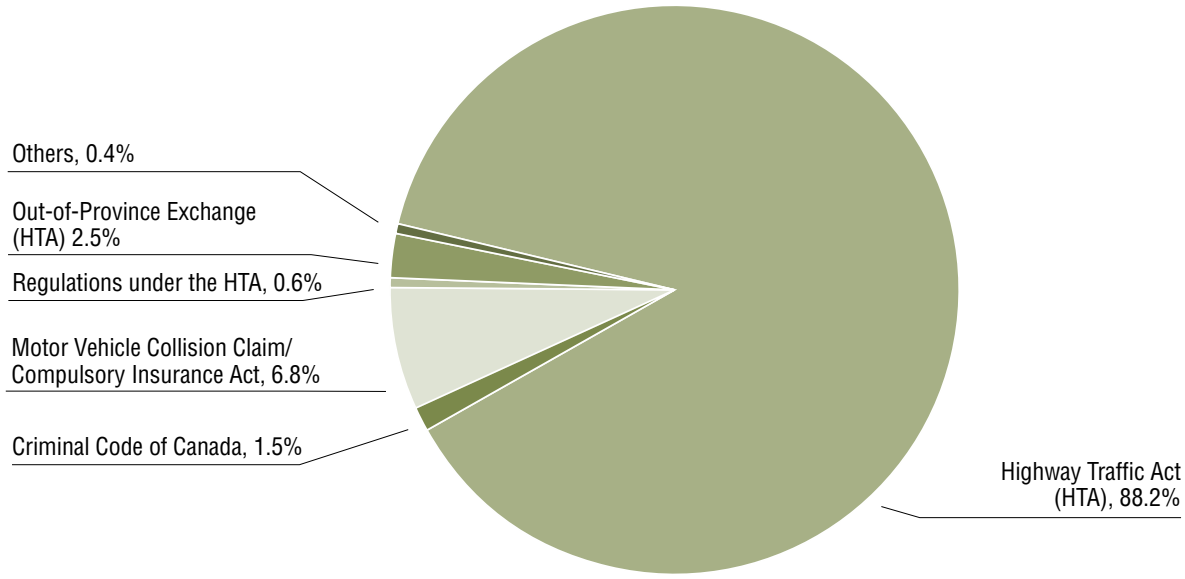
7. CONVICTION, OFFENCE AND SUSPENSION DATA

This section presents conviction, offence and suspension data related to motor vehicle use in Ontario. Convictions are summarized by legislation and conviction type.

In 2017, nearly 90% of motor vehicle convictions were related to Highway Traffic Act (HTA) offences and 1.5% were related to the Criminal Code of Canada (e.g., drinking and driving, dangerous driving, fail to remain).

In the last decade, the number of Administrative Drivers Licence Suspensions (ADLS) for drinking and driving has dropped from approximately 17,500 to approximately 13,000 occurrences annually.

Figure 7 **Motor Vehicle Convictions in Ontario by Type, 2017**



7A CONVICTION DATA

Table 7.1: Summary of Motor Vehicle-Related Convictions, 2017

Convictions*	Number
Highway Traffic Act (HTA)	906,348
Regulations under the HTA	6,376
Criminal Code of Canada**	15,036
Municipal By-Law***	
Motor Vehicle Collision Claim/Compulsory Insurance Act	69,480
Motorized Snow Vehicles Act	1,496
Off-Road Vehicles Act	1,154
Out of Province Exchange (HTA)	25,727
Others****	1,438
Total	**1,027,055**

* Includes manually recorded convictions.

** This figure does not include 360 convictions for young offenders under the Criminal Code.

*** In previous years a large portion of convictions under HTA Regulations were allocated to convictions under Municipal By-Law.

****Others may include acts not listed above, such as Motor Vehicle Safety Act, Government Traffic Act, etc.

Table 7.2: Motor Vehicle Convictions Related to the Highway Traffic Act, 2017

Convictions	Number
Equipment	50,092
Administrative*	165,597
Seat Belt (Driver & Passenger)**	15,304
Other Non-Pointable Convictions ***	55,039
Speeding	475,255
Other Pointable Convictions (2–4 pts)	124,716
Other Pointable Convictions (5–7 pts)	8,170
Driving While Suspended	12,175
Total	**906,348**

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

** Failure to wear seat belt convictions registered against passengers over 16 are no longer included.

*** Now includes some out-of-province convictions.

Table 7.3: Motor Vehicle Convictions Related to the Criminal Code, 2017*

Convictions	Number
Alcohol Related**	11,551
Criminal Negligence	12
Fail to Remain at Collision	328
Fail to Stop for Police Officer	452
Driving While Disqualified	1,808
Dangerous Driving	1,111
Motor Manslaughter	2
Total	**15,264**

* Does not include 360 convictions for young offenders.

** Includes some out-of-province convictions.

7B OFFENCE DATA

Table 7.4: Number of Driver* Convictions for Criminal Code of Canada Offences** 2009–2017

Conviction Type	2009	2010	2011	2012	2013	2014	2015	2016	2017
Criminal Negligence	12	9	4	2	1	0	0	0	0
Fail to Remain	429	420	353	185	222	164	144	144	151
Dangerous Driving	1,182	967	856	566	513	453	464	479	540
Impaired Driving	6,869	6,540	5,710	4,222	3,892	3,413	3,422	3,387	3359
Blood/Alcohol over .08	6,252	6,070	6,117	4,942	4,367	4,382	4,171	3,955	3905
Fail to Provide Breath Sample	1,097	1,138	934	598	530	472	426	423	419
Driving While Disqualified	2,003	2,163	2,138	1,291	1,222	1,085	1,043	1,053	980
Motor Manslaughter	0	1	0	0	2	0	0	0	0
Undefined	473	417	341	283	248	232	245	230	295
Total	**18,317**	**17,725**	**16,453**	**12,089**	**10,997**	**10,201**	**9,915**	**9,671**	**9,649**

* The same driver may be represented in this table more than once.

** Includes offences and registered convictions that occurred in the same year.

Table 7.5: Administrative Driver Licence Suspensions*, Monthly Suspensions Issued, 2008–2017

Suspensions	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
January	1,183	1,368	1,298	1,154	1,071	994	911	996	1,017	990
February	1,259	1,401	1,140	1,219	1,230	1,028	895	1,039	1,009	1,009
March	1,438	1,502	1,252	1,332	1,236	1,339	1,104	1,199	1,060	1,076
April	1,297	1,391	1,363	1,304	1,284	1,117	1,078	1,124	1,130	1,152
May	1,472	1,533	1,486	1,342	1,212	1,233	1,244	1,221	1,212	989
June	1,547	1,373	1,296	1,360	1,265	1,273	1,149	1,146	1,150	1,044
July	1,533	1,489	1,454	1,475	1,338	1,175	1,156	1,319	1,181	1,219
August	1,686	1,482	1,400	1,281	1,393	1,235	1,354	1,190	1,171	1,129
September	1,536	1,458	1,360	1,303	1,359	1,179	1,061	1,073	1,034	1,059
October	1,673	1,412	1,416	1,354	1,285	1,173	1,154	1,201	1,144	1,043
November	1,556	1,656	1,344	1,313	1,314	1,155	1,237	1,199	1,104	1,056
December	1,463	1,374	1,411	1,467	1,523	1,174	1,302	1,227	1,240	1,271
Total	**17,643**	**17,439**	**16,220**	**15,904**	**15,510**	**14,075**	**13,645**	**13,934**	**13,452**	**13,037**

* See Appendix for a more detailed explanation of ADLS.

7C SUSPENSION DATA

Table 7.6: Demerit Point Suspensions by Driver Age, 2017

Driver Age	Demerit Point Suspensions			
	Novice First Accumulation	Novice Second Accumulation	Regular First Accumulation	Regular Second Accumulation
16	0	0	0	0
17	1	0	0	0
18	12	0	0	0
19	25	1	8	0
20-24	129	1	84	4
25-34	108	6	211	11
35-44	41	4	108	7
45-54	22	3	61	0
55-64	16	4	34	0
65-74	2	1	5	0
75 +	0	0	3	0
Total	**356**	**20**	**514**	**22**

8. APPENDIX

8A GLOSSARY

Ability-Impaired Alcohol:

Driver had consumed a sufficient amount of alcohol to warrant being charged with a drinking and driving offence.

Ability-Impaired—Alcohol over 0.08:

Ability-Impaired, Alcohol: Driver had consumed alcohol and upon testing was found to have a blood-alcohol level in excess of 80 milligrams per 100 millilitres of blood.

Administrative Driver's Licence Suspension (ADLS):

This program, designed to reduce drinking and driving, started November 29, 1996. Under this program, provincial law permits the immediate suspension of a driver's licence for 90 days upon evidence gathered by a police officer that the driver (a) was shown to have a concentration of alcohol in excess of 80 milligrams per 100 millilitres of blood, or (b) the driver failed or refused to provide a breath or blood sample.

Alcohol Involved:

This category includes drivers reported as "Had Been Drinking", with "BAC > 80 mg/100mL" or with "Ability-Impaired by Alcohol".

Class G1 Driver's Licence:

A holder of a Class G1 driver's licence:

- must have a zero blood alcohol concentration while driving;
- must have an accompanying driver who is a fully licensed driver (Class A, B, C, D, E, F or G) with at least four years' driving experience and has a blood alcohol concentration less than 0.05;
- must have the accompanying driver as the only passenger in the front seat with the G1 driver;
- 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 ensure the number of passengers in the vehicle is limited to the number of working seat belts;
- must not drive between the hours of midnight and 5 a.m.;
- may drive a Class G vehicle only.

The G1 licence period lasts at minimum 12 months. It can be reduced to eight months by successfully completing an approved driver education course. For information about approved courses, call ServiceOntario at 1-800-268-4686. At the end of the G1 licence period, drivers must pass a road test before proceeding to the G2 licence period.

Class G2 Driver's Licence:

A holder of a Class G2 driver's licence:

- must have a zero blood alcohol concentration while driving;
- is allowed to drive any motor vehicle that requires a Class G driver's licence on the road;
- must ensure the number of passengers in the vehicle is limited to the number of working seat belts;
- for the first six months, G2 drivers aged 19 and under cannot carry more than one passenger aged 19 and under between midnight and 5 a.m.
- after the first six months, G2 drivers aged 19 and under cannot carry more than three passengers aged 19 and under between midnight and 5 a.m.*

The G2 licence period lasts a minimum 12 months. After completing, drivers are 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:

- may operate a motorcycle, limited-speed motorcycle (motor scooter) or motor-assisted bicycle (moped) 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 hour after sunset);
- must not ride on highways with speed limits of more than 80 km/h except highways 11, 17, 61, 69, 71, 101, 102, 144, 655;
- must not carry passengers.

The M1 licence period lasts at least 60 days, and the licence is valid for 90 days. M1 drivers must pass the M1 road test before proceeding to the M2 licence period. Alternatively, during the M1 period, they may take an approved motorcycle or motor scooter safety course that includes a road test, instead of the ministry road test.

* These passenger restrictions do not apply if the G2 driver is accompanied by a full "G" licensed driver (with at least four years of driving experience) in the front seat, or if the passengers are immediate family members.

Class M2 Motorcycle Driver's Licence:

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

- must have a zero blood alcohol concentration while driving.

After completing the M2 licence period, drivers will be eligible to take a comprehensive test to qualify for full licence privileges. Drivers may take an approved M2 Exit motorcycle safety course that includes a road test, instead of the ministry road test.

Class M2/M with L Condition:

A Class M2 or M with L Condition is a motorcycle licence that restricts the licence holder to operating mopeds or limited-speed motorcycles.

Conviction:

Registered 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 a 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 injuries sustained in the collision, for up to one year after the collision. Since that date, only deaths occurring within 30 days of the collision have been included.

Had Been Drinking:

Driving after having consumed 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 per 100 millilitres of blood. As of May 1, 2009, a blood alcohol concentration from 0.05 to 0.08 results in a 3-day, 7-day, or 30-day roadside driver's licence suspension for first, second, or third-time occurrences, respectively. Immediately prior to that date, a blood alcohol concentration from 0.05 to 0.08 resulted in a 12-hour suspension.

Hanger-on:

Hangers-on are persons hanging onto a moving motor vehicle's fenders, bumpers, doors or other parts of the vehicle and not located inside; for example riding in back of a pick-up.

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.

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 the phone or two-way radio, using headphones.

Kilometres Travelled:

Prior to 2000, vehicle fleet mileage was estimated on the basis of taxed gasoline and motor fuel sales. Starting in 2000, vehicle kilometres travelled are based on estimates provided by Statistics Canada and Transport Canada.

Limited-Speed Motorcycle (Motor Scooter):

A limited-speed motorcycle is also known as a "motor scooter."

Motor scooters can be either electric or gas powered with a "step through" design and have a maximum speed of 70 km/h. Most motor scooters have automatic transmissions, with a maximum engine displacement of 50 cubic centimeters.

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-Assisted Bicycle (Moped):

A motor-assisted bicycle is also known as a "moped". Mopeds have pedals that can be operated at all times. Mopeds can be either electric or piston powered and have a maximum speed of 50 km/h.

Mopeds have a piston displacement of not more that 50 cubic centimetres.

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:

A collision that occurs off a public highway. It can include collisions located on or adjacent to trails and paths, on the surface of a frozen lake or river, or in a private parking lot.

On-Highway Collisions:

A motor vehicle collision that 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 collision involving injury or damage to private property in excess of a monetary value prescribed by regulation.**

Self-Reporting of a Collision:

Under the Highway Traffic Act [s.199 (1.1)], when one is in a collision in which there is only property damage (no injury or death, and, among other conditions, no criminal activities such as impaired driving) the involved person(s) may report the collision immediately by proceeding with one's vehicle to a Collision Reporting Centre. Self-Reporting of a collision was introduced on January 1, 1997.

Suspension:

Withdrawal of a driver's privilege to operate a motor vehicle for a prescribed period of time.

** The minimum reportable level for property-damage-only collisions is $2,000 as of September 1 2015. Prior to that date, the minimum reportable level for PDO collisions was $1,000 from January 1, 1998 to August 31, 2015.

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