

ONTARIO ROAD SAFETY

Annual Report 2007



ONTARIO ROAD SAFETY ANNUAL REPORT 2007

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

For more information on the data in this publication, please contact the Road Safety Policy Office – Vehicles at 416-235-3585.

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Printed on recycled paper.

ISSN #0832-8269 (Printed version)

ISSN #1710-2499 (CD-ROM Version)

ISSN #1710-2480 (Internet Version)

MINISTER'S MESSAGE

Safe roads don't just happen – it takes a lot of hard work. In fact, each and every Ontarian has a role in making our roads the safest they can be. Government does its part by developing smart and effective laws. Police enforce them. Road safety organizations, in partnership with government and police, provide road safety education in communities all across the province. Finally, everyday road users – drivers, cyclists and pedestrians do their part by abiding by our laws, and setting a good example to others.

Because of our combined efforts, Ontario's roads rank among the safest in North America. Traffic fatalities are on a steady decline – despite an ever-increasing number of drivers on our roads. As the 2007 Ontario Road Safety Annual Report (ORSAR) shows, Ontario has improved its road safety record by achieving the lowest road fatality rate in the province's history. In fact, preliminary road safety statistics for the year 2008 show that the number of people killed on Ontario's roads has fallen to its lowest number since 1945.

The report also outlines some of the year's key accomplishments. For instance, the *Safer Roads for a Safer Ontario Act, 2007*, contained innovative new measures to combat stunt driving, excessive speeding and impaired driving.

But as long as people are being injured or killed on our roads, government must continue to seek ways to prevent these tragedies from occurring. ORSAR is an important tool in analyzing trends and developing effective measures to keep our roads safe.

Everyone has a responsibility to help make Ontario's roads as safe as possible. With your help, I am confident we can make sure our roads remain among the safest in the world.

Yours sincerely,



Kathleen Wynne
Minister of Transportation

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FOREWORD



FOREWORD

In 2007, Ontario's roads were among the safest in North America, based on a comparison of the fatality rate per 10,000 licensed drivers.

The 2007 fatality rate in Ontario was 0.86, the lowest ever recorded in the province.

Ontario Road Safety Annual Report 2007

What is the Ontario Road Safety Annual Report?

Ontario's transportation landscape is ever changing. People, vehicles, technologies and attitudes shift and evolve over time. While many of these changes have made our roads safer and our trips more pleasant, some have created road safety challenges – challenges that governments at all levels need to address.

By providing valuable insights about long-term and emerging trends in Ontario and across jurisdictions, the Ontario Road Safety Annual Report (ORSAR) helps the Ministry of Transportation and its partners determine what combination of legislation, education and enforcement will make our roads as safe as possible.

With hundreds of thousands of people using Ontario's roads each day, the ministry needs to be able to stay on top of emerging road safety issues and trends as they develop. Some of the key road safety statistics tracked over time include:

- Fatalities and injuries involving road users
- Collision, injury and fatality rates
- Collision-related data concerning drinking and driving, speeding, pedestrians, novice and senior drivers, large trucks, etc.

As an example, speed and loss of control have consistently appeared as major contributors to serious collisions on the province's roads. In 2007, this led to the implementation of tough new measures targeting excessive speeding and street racing.

Year after year, Ontario's roads rank among the safest in North America. By working closely with our road safety partners and armed with such resources as ORSAR, Ontario can continue to develop new and innovative road safety strategies that will help the ministry achieve its goal of making Ontario's roads the safest in the world.

Key Road Safety Findings for Ontario in 2007

For more than 20 years, Ontario has measured road safety by calculating the number of collision-related fatalities for every 10,000 licensed drivers. This method is preferred by many other jurisdictions in part, because data on the number of traffic fatalities and the number of licensed drivers in North America and Europe are relatively easy to obtain, making comparisons easier.

Despite the 77,400 increase in the number of licensed drivers between 2006 and 2007, the fatality rate per 10,000 licensed drivers in 2007 was 0.86, down 1.4 per cent from 2006. This is the lowest rate ever recorded in Ontario, placing our roads among the safest in North America, second only to Prince Edward Island – a jurisdiction with a small population and potential for large year-to-year fluctuations in its fatality rate.

Ontario ranked well ahead of neighbouring jurisdictions such as New York (ranked 8th), Quebec (11th), Michigan (18th), and Ohio (19th).

Overall, the results of ORSAR 2007 are positive, introducing a number of innovative measures designed to reduce death and injury on its roadways.

Road Safety in Ontario: By the Numbers		
Category	2006	2007
Fatality Rate	0.87	0.86
Fatality per 100 million km	0.59	0.61
Number of Licensed Drivers	8,867,965	8,945,397
Number of Motor Vehicles	8,016,875	8,196,602
Number of Fatalities	769	765
Number of Major Injuries	3,597	3,364
Number of Minor Injuries	28,876	28,298
Number of Fatalities Involving Drinking & Driving	190	204

Improving Road Safety for All Ontarians: Taking Action in 2007

In 2007, 162 people were killed in the province in collisions that involved drivers who were exceeding the speed limit, or going too fast for conditions.

Source: MTO Accident Database System

Aggressive Driving and Speeding

Speed and loss of control are persistent killers on Ontario's roads. While the total number of fatalities involving these factors dropped from 350 in 2006 to 341 in 2007, these types of collisions still account for nearly **half** of all motor vehicle-related fatalities.

More than 50 per cent of drivers in fatal crashes were driving improperly, e.g., driving too fast for road and weather conditions, running red lights, weaving in and out of traffic, failing to yield the right of way, etc. Driving at unsafe speeds increases the force of impact in a crash and the risk of serious injury or death.

Ontario took action to combat this dangerous behaviour with the *Safer Roads for a Safer Ontario Act, 2007*. This groundbreaking legislation contained some of the toughest penalties in Canada for those who put others at risk by driving 50 kilometres per hour or more above the posted speed limit or who perform dangerous stunts on the road.

Passed unanimously by the Ontario legislature, the new penalties include:

- Immediate seven-day roadside vehicle impoundment and driver's licence suspension
- Additional tough penalties on conviction include:
 - Minimum fine of \$2,000 and maximum fine of \$10,000
 - Jail term of up to six months
 - Licence suspension of up to two years on the first conviction and up to ten years on a second conviction within 10 years, or six demerit points

"The new regulations the government put in place targeting street racers will ultimately save lives."

Commissioner Julian Fantino, Ontario Provincial Police

During the first year that the new sanctions were in place, there were 8,566 roadside vehicle impoundments and driver's licence suspensions issued to drivers – an average of 23 roadside sanctions per day. The vast majority of these charges were for speeding at 50 kilometres per hour or more above the speed limit.

Drinking and Driving

About one quarter of all fatalities on Ontario roads are alcohol-related. In 2007 drinking and driving was a factor in the death of 204 people on Ontario roads, up from 190 in 2006. Each year, police charge more than 16,000 drivers with impaired driving – that's about two charges every hour of every day.

The Safer Roads for a Safer Ontario Act also included tougher penalties for impaired drivers, specifically those who are caught with a blood alcohol concentration from 0.05 to 0.08 (the "warn" range). These drivers are seven times more likely to be in a fatal collision than a driver who has not been drinking at all.

The new sanctions escalate with each offence:

- *First instance:* driver suspended for three days
- *Second instance:* driver suspended for seven days and must undergo remedial measures
- *Third or subsequent instance:* driver suspended for 30 days, must undergo remedial measures and have an ignition interlock licence condition for six months.

In addition, drivers may be forced to forfeit their vehicles if they continue to drink and drive.

Truck Safety

In 2007, the number of fatalities resulting from collisions involving large trucks increased to 170 from 143 in 2006, the second consecutive year in which this number increased.

Despite the growing number of trucks on Ontario's roads, there has been a long-term decline in fatal truck collisions. Between 1990 and 2007, while the number of large trucks on the province's roads grew by more than 60 per cent, the number of fatal collisions involving these vehicles dropped by 8.3 per cent.

Ontario is a leader in truck safety standards and enforcement. Ontario is the only North American jurisdiction to impound trucks and trailers with critical defects. Fines for operating unsafe commercial vehicles can be as much as \$20,000 – four times greater than any other jurisdiction. For some offences, fines can be as high as \$50,000, i.e., wheel separations.

In 2007 Ontario took significant steps to further increase truck safety:

- *Speed Limiters* – the ministry committed to implementing mandatory speed limiters for all large trucks. A speed limiter is a built-in microchip that enables a truck engine's top speed to be preset. Slowing large trucks on highways and keeping traffic moving at a safe speed helps make Ontario's highways safer for everyone.

Speed limiters reduce the diesel fuel use by 100 million litres. It has been estimated that mandatory speed limiters can reduce greenhouse gas emissions by 280,000 tonnes annually.

"This is a great step forward for highway safety and for the environment. Even though truck drivers are on the whole the least likely to be excessively speeding, the means exist through activation of speed limiters to virtually eliminate it and to improve lane discipline at the same time."

*David Bradley, President,
Ontario Trucking Association*

- *Hours of Service* – On January 1, 2007, Ontario's new Hours of Service regulations for commercial drivers came into effect. The modernized rules are based on scientific principles related to the impacts of fatigue and fatigue management practices. Under these changes, commercial vehicle drivers are limited to 13 hours driving (down from the previous 16 hours a day) and are required to spend a minimum of 10 hours a day "off duty", including at least eight consecutive hours prior to starting a new work shift.
- *Daily Vehicle Inspections for Commercial Vehicles* – To enhance the early detection of mechanical defects, the ministry implemented new daily vehicle inspection regulations based on the revised federal standards on July 1, 2007.
- *Carrier Safety Program Modernization* – Ontario modernized its Commercial Vehicle Operator's Registration and Carrier Safety Rating System in April 2007 to accommodate changes to the federal Motor Vehicle Transport Act. The new system now includes event data occurring across Canada, i.e., convictions, collisions, and Commercial Vehicle Safety Alliance inspections. This was an important opportunity to develop a more predictive model that better identifies carriers with the highest risk of future collisions.

School Buses

The safety of young people is a top priority for the Ontario government. Each school day, approximately 800,000 students use school buses to travel to and from school, for field trips and for special travel needs.

Today's school buses are the safest vehicles on the road, but that doesn't stop the Ontario government from taking steps to make them even safer. In 2007, the Province included used school buses in its mandatory crossing arm requirement. Previously, only new buses were required to be equipped with the life-saving crossing arms. Without this new rule, it would have taken at least 10 years until older buses were off the road.

Crossing arms are devices that extend from the front bumper on the right side of the school bus to ensure that children cross at a safe distance from the bus, in clear view of the bus driver.

"This is a clear demonstration that the province is committed to continually improving school bus safety."

*Richard Donaldson, Executive Director,
Ontario School Bus Association*

Improving Beginner Driver Training

To ensure a lifetime of safe driving, young drivers need to get off to a good start. In 2007 Ontario took significant steps to improve the quality and consistency of beginner driver education by improving program standards. Ontario also implemented a new monitoring and audit program that includes undercover shoppers.

Other improvements included:

- Ministry regulation of all schools
- Mandatory licensing and audits for high school driver education programs
- Tougher standards to ensure better-qualified driving instructors
- New requirement that instructors must work for an MTO-licensed school to teach new (G1) drivers (it is illegal for unlicensed schools to teach new drivers). In addition, new driving instructors can no longer be licensed if they have a single demerit point or a Criminal Code conviction.

More than 100,000 students graduate from a ministry-approved course each year. A list of approved beginner driving schools can be found at www.ontario.ca/transportation. Only schools that meet ministry standards are included in this list.

Making Ontario's Driver's Licence More Secure

In 2007, the Ministry of Transportation announced a new, more secure driver's licence card. The cards will help protect Ontarians from identity theft by incorporating cutting edge security features such as a fine-line background, a laser-engraved photo and signature and a secondary photo and signature images, making it more difficult to tamper with and counterfeit.

“The RCMP supports the use of enhanced security features in order to protect the integrity of government-issued identity documents. The use of such security features will make the production of forged documents that much more difficult for criminals and criminal organizations.”

*Inspector B.R. Baxter,
RCMP Commercial Crime Branch*

In 2007 the ministry committed to working with Ontario’s Information and Privacy Commissioner and other ministries and levels of government toward enabling Ontarians to use their driver’s licence as a border-crossing document.

Calculating the Social Cost of Crashes

While it is impossible to calculate the complete cost of the loss of a life or the suffering caused by a serious injury, the ministry joined with a number of road safety partners to present the results of a study that provides a better idea of the social cost of motor vehicle crashes in Ontario and Canada (<http://www.tc.gc.ca/roadsafety/tp/tp14800/menu.htm>).

The study, *Analysis and Estimation of the Social Cost of Motor Vehicle Collisions in Ontario* (2007 Report), estimates that collisions cost the province \$17.9 billion – or 3.5 per cent of Ontario’s 2004 GDP directly and indirectly. Direct costs include property damage, emergency response, hospital care and traffic delays, i.e., costs related to lost time, extra fuel use and environmental pollution. Indirect costs include disability of victims, activity and workdays lost, as well as the pain and suffering endured by victims and their families. These costs are just one more reason why improving road safety remains a priority.

A Transportation Network for the 21st Century

A strong economy and the high quality of life for Ontarians depends on the safe and efficient flow of people and goods. That’s why the Ontario government made record investments to help improve the province’s transportation infrastructure including public transit, highways, roads and bridges.

Working to Increase Public Transit Ridership

In 2007, Ontario made significant commitments to strengthen public transit, including:

- Investing \$100 million in transit improvements in the GTA
- Launching the Presto card, an integrated fare collection system that will enable commuters to travel on public transit across Greater Toronto Area and Hamilton using a single transit card
- Providing \$314 million to 108 municipalities to help them invest in public transit

“Presto is an easy way to get around the GTA. Mississauga riders are eager to get their Presto cards. Commuters who travel into other major urban centres for work, school or play will enjoy the freedom and convenience that comes with using this innovative card.”

*Hazel McCallion, Mayor,
City of Mississauga*

Ontario also delivered more transit options and invested \$530 million to expand and improve GO Transit. Highlights of this investment included:

- Opening Lisgar GO Station and Barrie South GO Station
- Replacing 20 aging GO Transit buses with new more environmentally-friendly vehicles and purchasing six new buses
- Instituting eight train trips each weekday between Barrie and Union Station
- Extending GO bus service to the University of Guelph
- Extending weekend and weekday GO train trips from Burlington to Aldershot

In addition to these investments, 2007 also saw the ministry host its first sustainable transportation conference. The conference brought together experts from around the world to discuss innovative approaches to moving people and goods in more sustainable ways.

Managing Better Roads and Highways for Ontarians

Ontario is developing sustainable transportation with an eye to easing traffic congestion, improving road safety and keeping highways, roads and bridges in good repair.

In 2007, the Province invested more than \$1.7 billion – a record amount – to expand, repair and improve Ontario's highways, roads and bridges, resulting in:

- 40 kilometres of new lanes
- 531 kilometres of highway repairs
- 105 bridge repairs
- 22 new bridges

“These investments will generate thousands of jobs. This government's record investments in highways and public transit are essential to addressing Ontario's rapid population growth and traffic congestion.”

*Rob Bradford, Executive Director,
Ontario Road Builders Association*

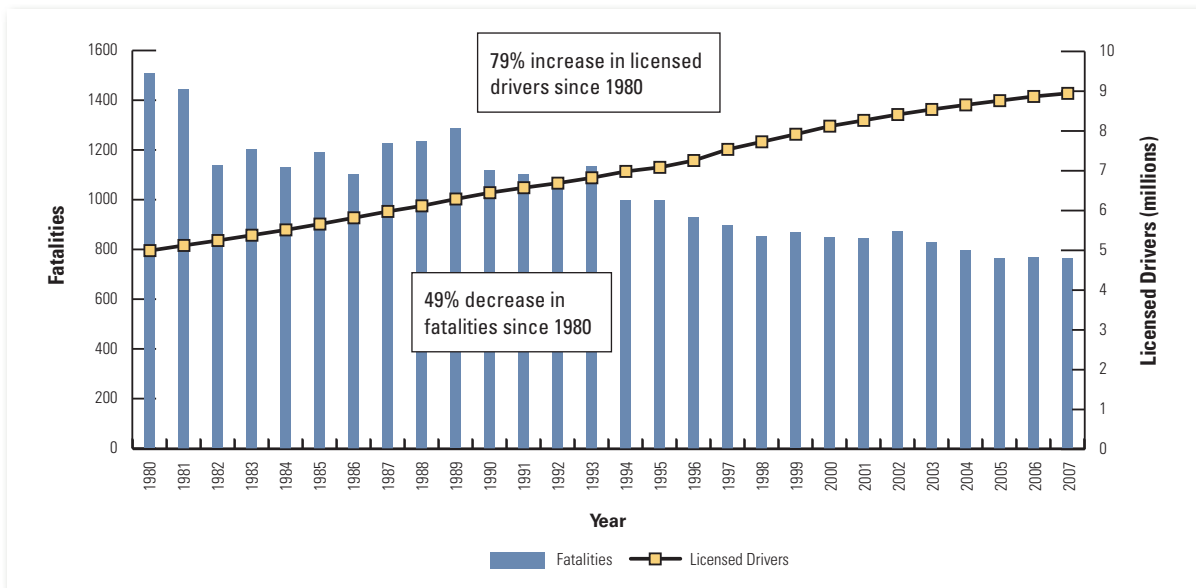
Border Improvements – ITS Technology

As an important corridor for the economy, the Ontario and Canadian governments have invested \$4.3 million in new technology to enhance safety and traffic flow on Highway 402. A “real-time” Queue Warning System has been installed on westbound Highway 402 from the Blue Water Bridge to Mandaumin Road.

Under the *Let's Get Windsor-Essex Moving Strategy*, the ministry worked with the City of Windsor and Transport Canada to create a Regional Construction Traffic Management System to reduce the impact of the 401 construction and the Walker Road Project. This award-winning system used portable detection, closed circuit television monitoring, changeable message signs, and links to the local traffic control centres and media, to improve traffic flow and provide the up-to-date information to drivers.

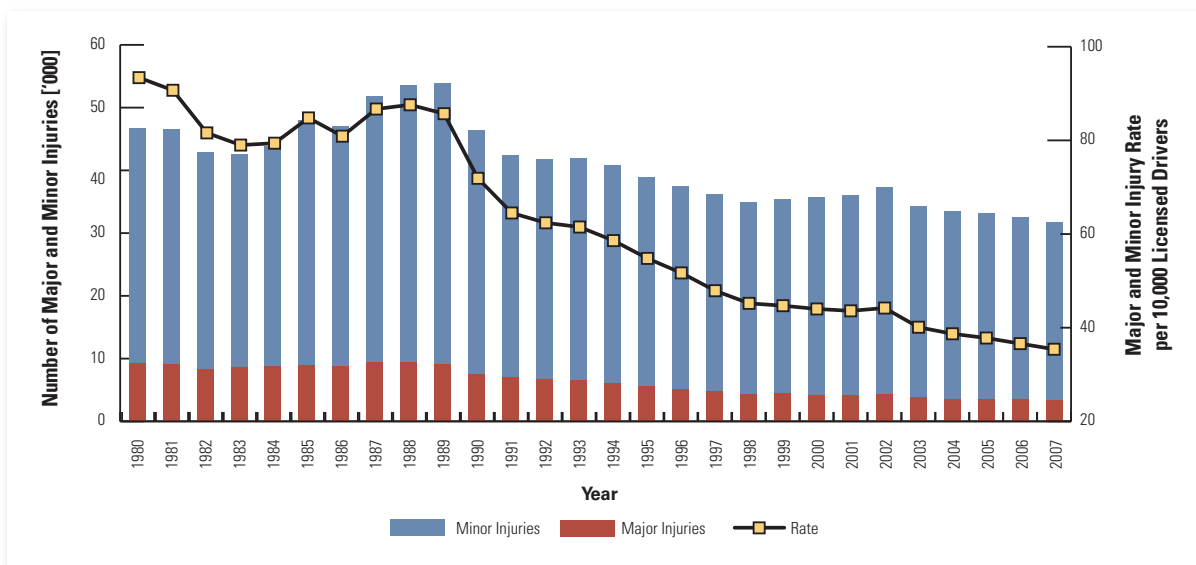
Key Road Safety Statistical Trends

Number of Fatalities and Licensed Drivers, 1980–2007



Between 1980 and 2007, the number of licensed drivers increased by 79 per cent. In contrast, the number of fatalities decreased by 49 per cent over this period.

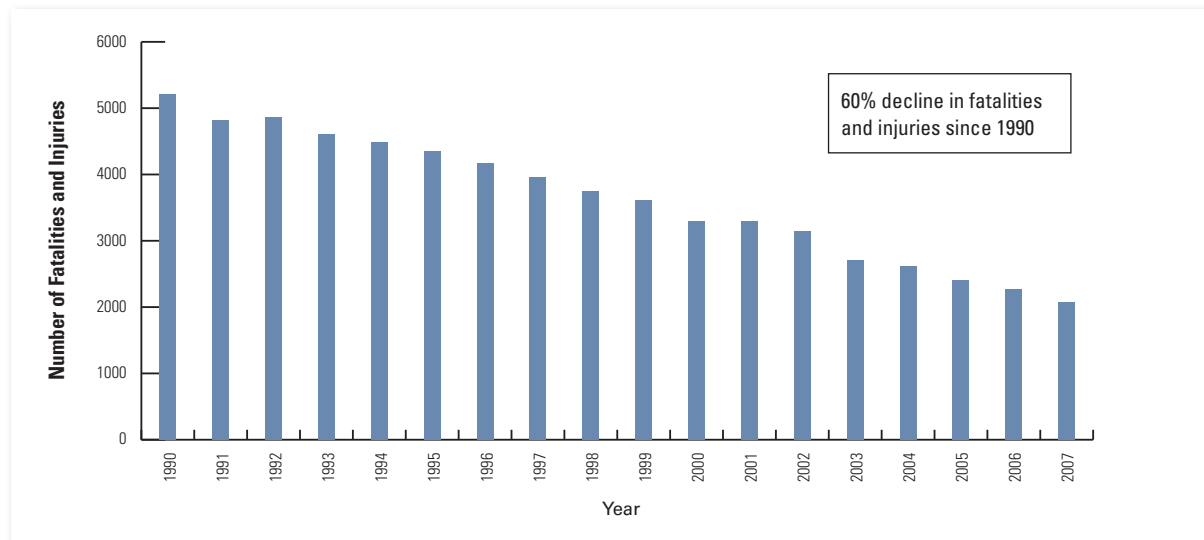
Number and Rate of Major and Minor Injuries, 1980–2007



In 2007, 67,175 people were injured in motor vehicle crashes, 34,192 fewer than in 1980. This puts the number of injuries on the province’s roadways at its lowest level since 1966.

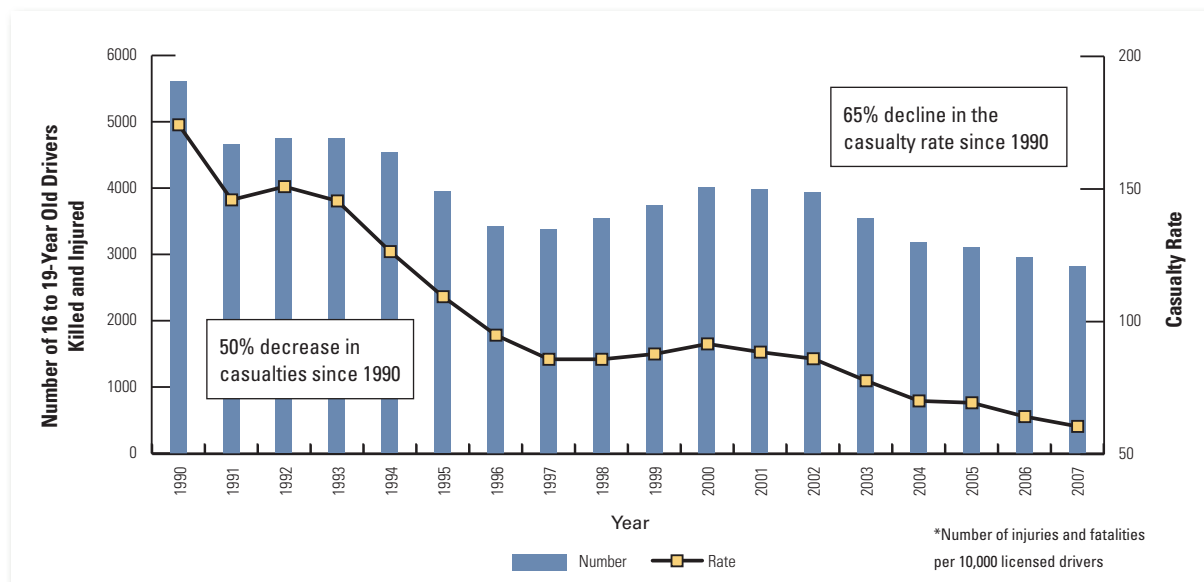
Fatality and Injury Trends for Different Age Groups

Number of Persons Age 0–9 Killed and Injured, 1990–2007



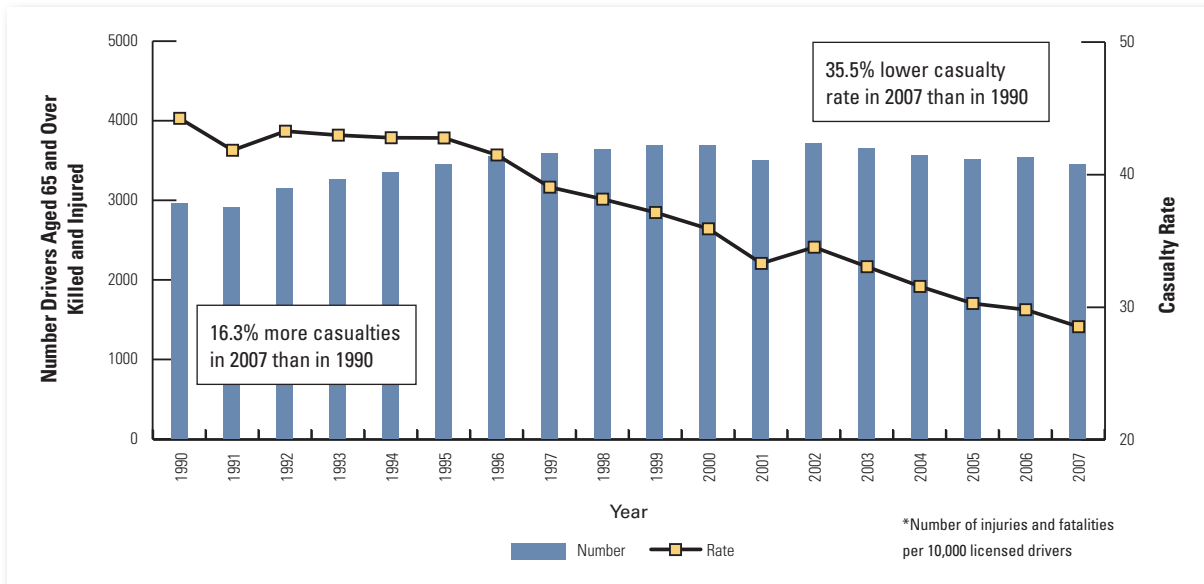
Between 1990 and 2007, the number of traffic fatalities and injuries among children aged 0-9 declined by 60 per cent.

Number and Rate* of 16 to 19-Year Old Drivers Killed and Injured, 1990–2007



Both the number and per 10,000 licensed drivers rate of 16- to 19-year-old driver casualties (deaths or injuries) have declined, with a 50 per cent decline in the number killed/injured and a 65 per cent decline in the casualty rate since 1990. Over the time period 1990-2007, the number of licensed drivers aged 16-19 increased from 322,542 to 466,979.

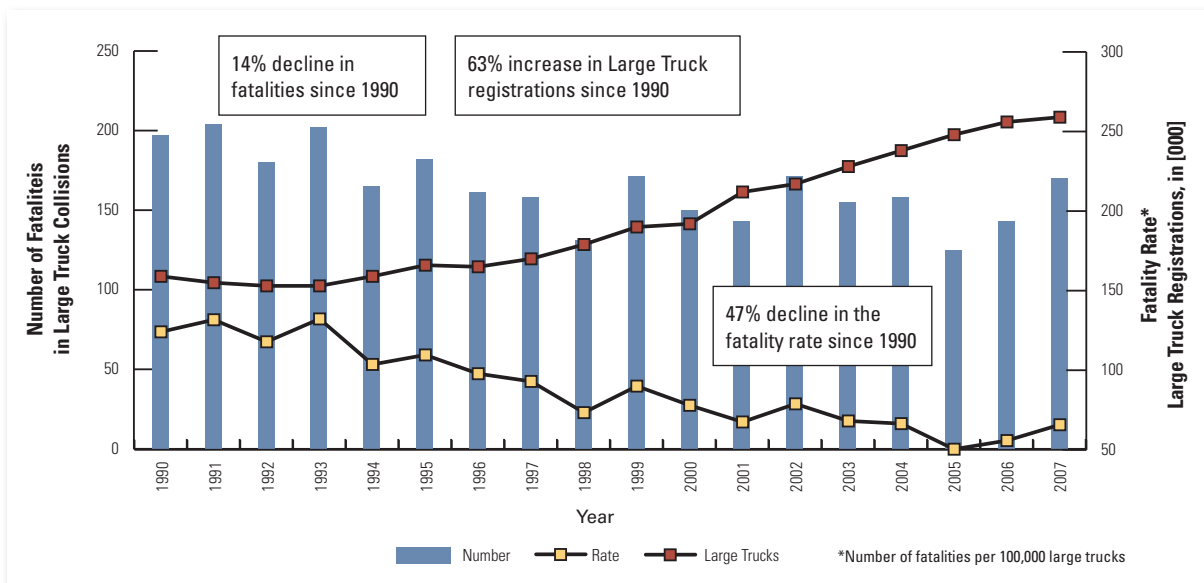
Number and Rate* of Drivers Aged 65 and Over Killed and Injured, 1990–2007



The number of drivers aged 65 and over killed or injured has increased since 1990. In contrast, the per-driver casualty rate has decreased over this period by 35.5 per cent.

Large Trucks

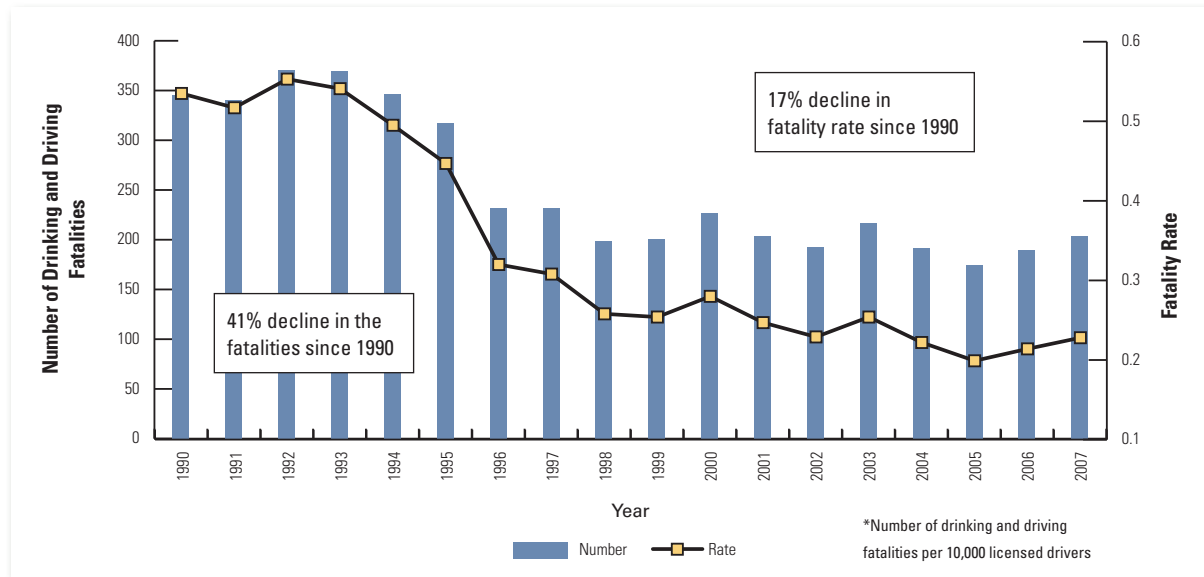
Number and Rate* of Fatalities in Large Truck Crashes; Large Truck Registrations: 1990–2007



Ontario's data shows that despite an increase of 63 per cent in the number of large truck registered in Ontario, the number of large truck fatalities decreased from 197 in 1990 to 170 in 2007, down 14 per cent.

Drinking and Driving

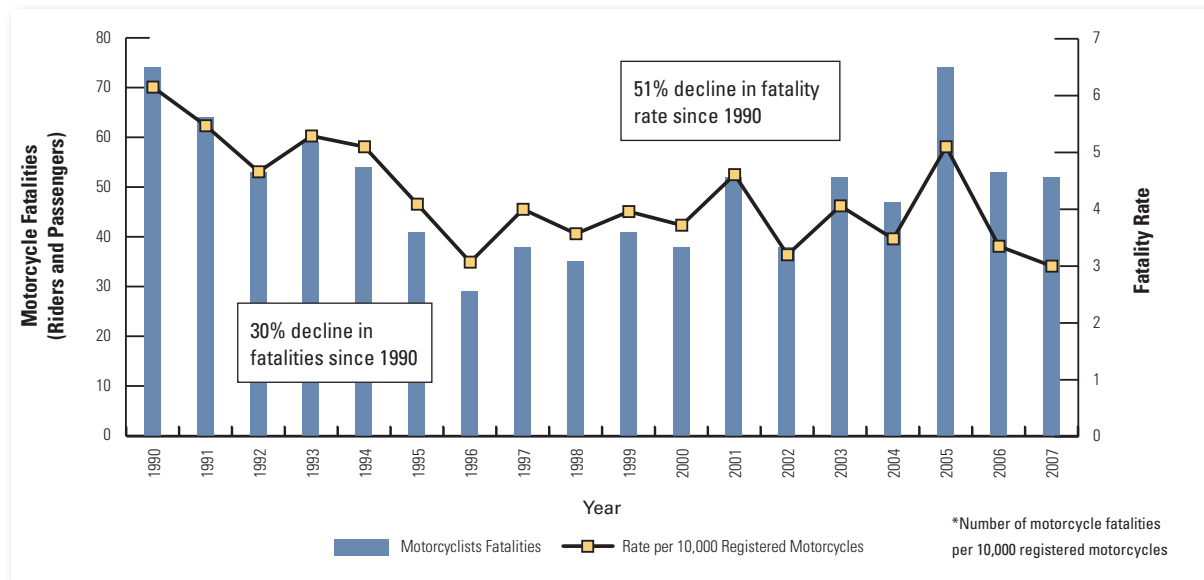
Number and Rate* of Drinking and Driving Fatalities: 1990–2007



Both the number of drinking and driving fatalities and the rate per 10,000 licensed drivers have declined dramatically from 1990 — by 41 per cent and 57 per cent, respectively.

Vulnerable Road Users

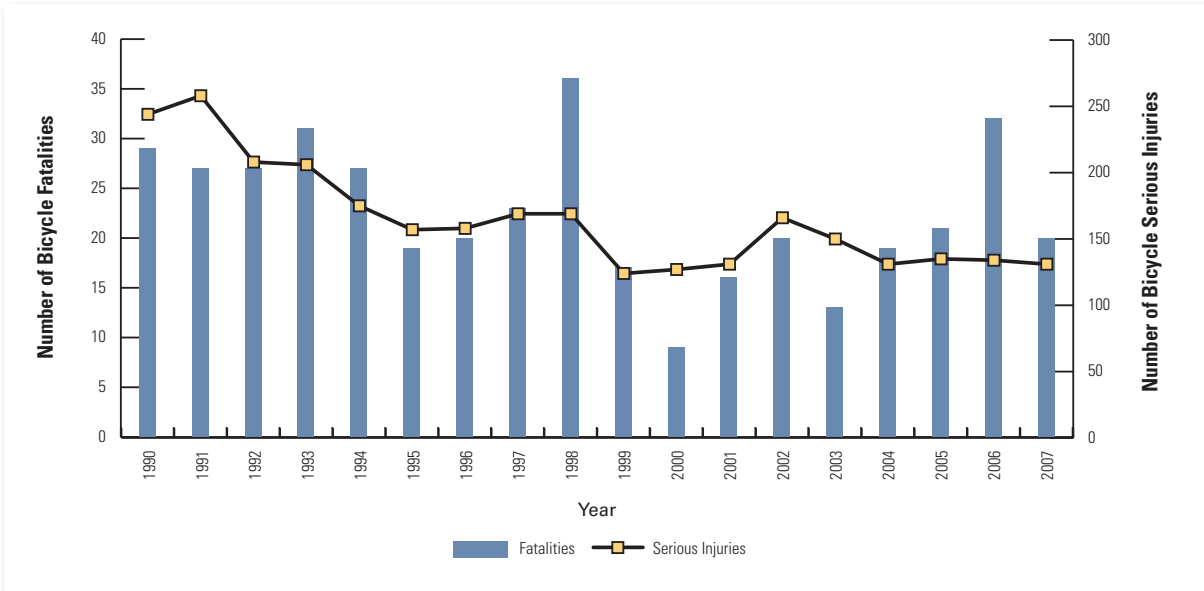
Number and Rate* of Motorcycle Fatalities: 1990–2007



Motorcycle registrations increased 9.6 per cent from 158,103 in 2006 to 173,314. At the same time, motorcycle rider fatalities decreased from 53 in 2006 to 52 in 2007.

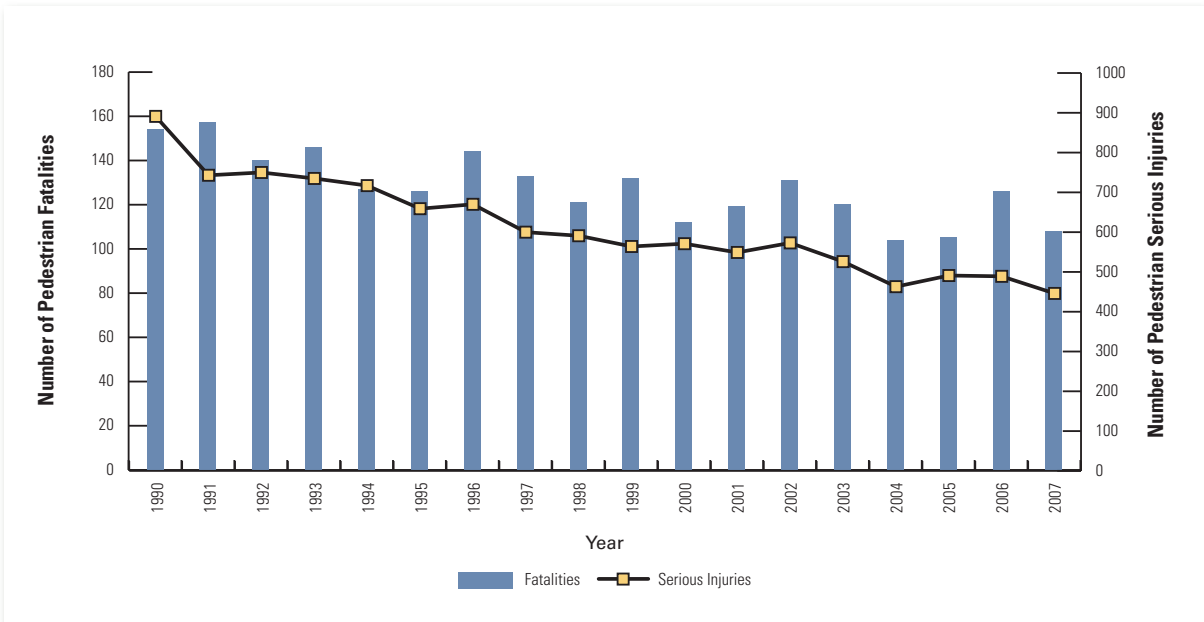
Over the long term, between 1990 and 2007, there has been a 51 per cent decline in the fatality rate per 10,000 motorcycle registrations.

Number of Bicycle Fatalities and Serious Injuries: 1990–2007



Between 1990 and 2007 the number of bicycle rider fatalities fluctuated between a high of 36 in 1998 and a low of 9 in 2000. There were 20 bicycle rider fatalities in 2007.

Number of Pedestrian Fatalities and Serious Injuries: 1990–2007



Between 1990 and 2007, the number of pedestrian fatalities fluctuated between a high of 157 in 1991 and a low of 104 in 2004. There were 108 pedestrian fatalities in 2007.

Major contributing factors to pedestrian fatalities in 2007:

- More than half (55 per cent) of pedestrian fatalities occur after dark. Visibility is a major contributing factor in these crashes.
- About 30 per cent of pedestrian fatalities involve pedestrians with positive blood alcohol levels or drugs.
- More than 10 per cent of pedestrian fatalities involve inattentive pedestrians, e.g., talking on a cell phone or listening to music on an iPod or other portable device.
- In about 30 per cent of pedestrian fatalities, drivers were major contributors to the crash, i.e., failing to yield, speeding, loss of control, improper turning and disobeying traffic controls.

Looking Ahead: Making Our Roads Even Safer

Overall, 2007 saw Ontario take a number of important steps toward the ministry's vision of a modern, reliable and safe transportation system with the *Safer Roads for a Safer Ontario Act, 2007* as the centrepiece of the year's safety improvements.

Ontario's road safety strategy is working: preliminary data analysis shows that the number of people killed on Ontario's roads fell to the lowest number since 1945.

Despite this progress, ORSAR 2007 alerts us to the important work that still needs to be done such as: looking for ways to tackle the persistent problems of driver distraction, drinking and driving, the high incidence of collisions among young drivers and encouraging the use of seat belts and child safety seats.

The Ministry of Transportation must remain vigilant in looking for new ways to make our roads safer today and for future generations. Fortunately, there are many organizations such as police and volunteer groups in communities across the province that share our commitment. These partners make an invaluable contribution toward improving driver behaviour, vehicle condition and infrastructure safety. Our success to date is in large part due to their efforts.

As we move forward, we will continue to build on these relationships as we work to achieve our goal of having the safest roads in the world.

OVERVIEW



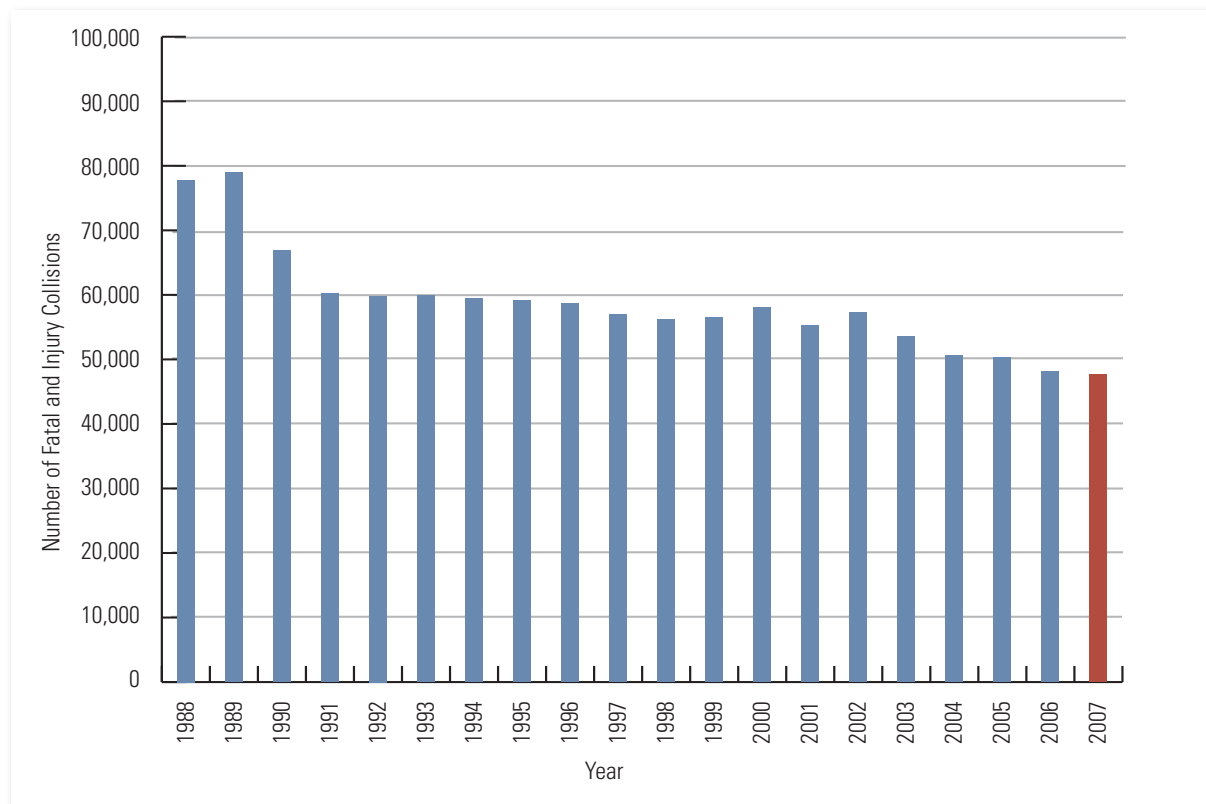
1. OVERVIEW

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 2007, Ontario's fatality rate of 0.86 per 10,000 licensed drivers was the lowest ever recorded in Ontario. Ontario continued to be a road safety leader in North America.

Nevertheless, the information on hospitalizations and other statistics in this section are stark reminders 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, 1988–2007



1A. SYNOPSIS

Selected Statistics: 2007	
Total Reportable Collisions	233,487
Total Drivers Involved in Collisions	413,160
Total Vehicles Involved in Collisions	429,303
Fatal Collisions	683
Personal Injury Collisions	47,014
Property Damage Collisions	185,790
<hr/>	
Persons Killed	765
Drivers Killed (excludes All Terrain Vehicle and Snow Vehicle Drivers)	463
Drivers Killed (Impaired or Had Been Drinking)	135
Passengers Killed	186
Pedestrians Killed	108
Other Road Users Killed	8
<hr/>	
Persons Injured	67,175
Estimated Ontario Population (2007)	12,803,861
Licensed Drivers	8,945,397
Registered Motor Vehicles	8,196,602
Estimated Vehicle Kilometres Travelled (in millions)	125,287
<hr/>	
Number of Persons Killed in Motor Vehicle Collisions per 100,000 People in Ontario	5.97
Number of Persons Killed in Motor Vehicle Collisions per 100 Million Kilometres Travelled	0.61
Collision Rate per 100 Million Kilometres Travelled	186.36
Fatal Collision Rate per 100 Million Kilometres Travelled	0.55
Number of Persons Killed in Motor Vehicle Collisions per 10,000 Licensed Drivers	0.86

1B. HEALTH PERSPECTIVE

Table 1.1: Selected Diagnoses of Motor Vehicle Collision Injuries Hospitalized in Ontario, Fiscal Year 2006/2007

Selected Diagnoses	Hospital Admissions	Hospital Days of Stay
Fracture of head	162	843
Fracture of neck and trunk	990	9,187
Fracture of upper limb	565	3,281
Fracture of lower limb	1,380	11,920
Fractures involving multiple body regions	11	197
Dislocation, sprains, and strains	109	472
Dislocations, sprains, and strains involving multiple body regions	*	11
Intracranial injury	790	10,919
Internal injury of chest, abdomen, and pelvis	501	4,218
Open wound of head, neck, or trunk	88	288
Open wound of upper limb	22	150
Open wound of lower limb	30	257
Open wounds involving multiple body regions	*	*
Other diagnosis	1,060	8,548
Total Admissions and Days **	5,708	50,291

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

* Small cell count (a value of less than 5); small cell counts are not to be published

** totals do not include small cell counts

Table 1.2: Selected Surgical Procedures for Motor Vehicle Collision Injuries Hospitalized in Ontario, Fiscal Year 2006/2007

Selected Procedure	Hospital Admissions	Hospital Days of Stay
Head, brain, and cerebral meninges	109	1,960
Spinal cord, spinal canal, and meninges	23	315
Nose, mouth, and pharynx	40	285
Chest wall, pleura, mediastinum, and diaphragm	112	1,384
Bone marrow and spleen	67	953
Kidney	*	*
Facial bones and joints	69	554
Reduction of fracture/dislocation with or without fixation (excluding head and facial bones)	1,795	16,774
Repair joint structures (excluding head or facial bones)	17	87
Skin and subcutaneous tissue	98	786
Other diagnostic and therapeutic interventions	1,782	20,304
Sub-total of surgical admissions and days **	4,112	43,402
No interventions performed – surgical procedures	1,599	6,889

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

* Small cell count (a value of less than 5); small cell counts are not to be published

** sub-totals do not include small cell counts

THE PEOPLE

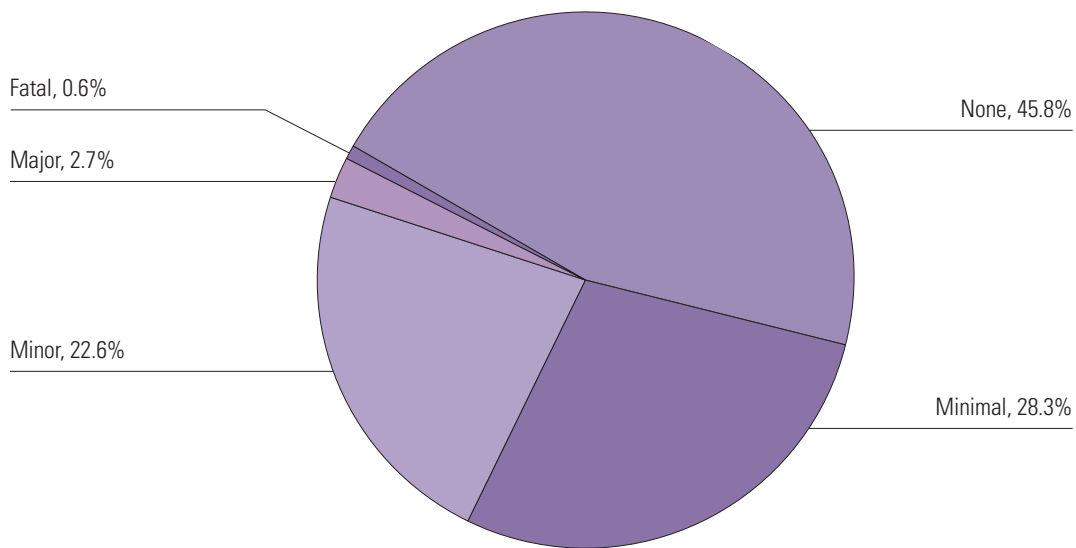


2. THE PEOPLE

This section highlights traffic fatalities and injuries by severity and characteristics of the road users involved. Key historical road safety data – covering a period of more than 70 years – is also provided to assist in analyzing long-term safety trends in Ontario.

Highlights in this section include a decrease in the number of traffic fatalities from 769 in 2006 to 765. While the number of drivers on Ontario roads continues to increase, the number of persons injured declined. Out of 1184 drivers involved in fatal collisions, 177 were drinking or had been drinking.

Figure 2 Persons Involved in Fatal and Injury Collisions by Severity of Injury, 2007



2A. PEOPLE IN COLLISIONS

Table 2.1: Category of Involved Person by Severity of Injury in Fatal and Personal Injury Collisions, 2007

Category of Involved Person	Severity of Injury					Total
	None	Minimal	Minor	Major	Fatal	
Driver	36,638	21,333	15,974	1,606	396	75,947
Passenger*	19,944	10,410	7,724	836	186	39,100
Pedestrian	155	1,820	2,370	446	108	4,899
Bicyclist	27	1,090	923	113	19	2,172
Bicycle Passenger	12	170	175	18	1	376
All Terrain Vehicle** Driver	5	10	14	10	0	39
All Terrain Vehicle** Passenger	4	1	6	2	0	13
Snow Vehicle Driver	1	3	8	4	2	18
Snow Vehicle Passenger	0	1	2	2	0	5
Motorcycle Driver	72	345	698	231	48	1,394
Motorcycle Passenger	37	117	222	60	4	440
Moped Driver	7	18	15	5	0	45
Moped Passenger	2	1	5	1	0	9
Hanger On	29	92	79	17	1	218
Other	399	102	83	13	0	597
Total	57,332	35,513	28,298	3,364	765	125,272

* Includes bus passengers

** In this table, all terrain vehicles include two-wheel, three-wheel and four-wheel off-road vehicles.

Only persons involved in HTA reportable fatality and injury collisions are shown in this table (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 complaints of pain.

None: Uninjured person.

Table 2.2: Category of Person Killed by Age Groups, 2007

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	0	1	8	14	16	14	45	69	50	63	47	34	35	0	396
Passenger*	3	6	11	5	7	5	8	8	15	28	17	22	10	18	23	0	186
Pedestrian	0	2	3	2	1	0	2	2	3	8	10	25	14	14	22	0	108
Bicyclist	0	1	2	0	0	0	0	0	2	3	2	5	3	1	0	0	19
Bicycle Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
All Terrain Vehicle** Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	2
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	0	0	0	3	5	18	12	3	6	1	0	0	48
Motorcycle Passenger	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	0	5
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	0	0	0	0	0	0	0	0	0
Total	3	9	17	8	16	19	26	27	70	126	92	121	81	69	81	0	765

* Includes hangers on

** In this table, all terrain vehicles include two-wheel, three-wheel and four-wheel off-road vehicles.

UK = Unknown

Only persons involved in HTA reportable collisions are shown in this table (for more information on special vehicles, see Chapter 6).

Table 2.3: Category of Person Injured by Age Groups, 2007

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	25	157	731	940	958	1,027	3,861	7,883	8,357	7,223	4,351	1,937	1,440	23	38,913
Passenger*	713	1,055	1,624	563	727	673	612	578	1,824	2,748	2,108	2,085	1,421	966	773	642	19,112
Pedestrian	75	181	537	143	161	118	123	114	397	585	548	557	408	302	274	113	4,636
Bicyclist	0	4	23	7	14	14	8	17	70	87	89	75	33	20	13	1,652	2,126
Bicycle Passenger	7	17	64	15	11	7	17	13	28	48	72	55	26	5	5	4	394
All Terrain Vehicle** Driver	0	1	4	2	4	1	1	1	2	7	1	4	2	2	1	1	34
All Terrain Vehicle** Passenger	0	1	4	0	0	0	1	0	2	0	0	2	0	0	0	0	10
Snow Vehicle Driver	0	0	2	1	2	0	1	0	1	3	0	3	0	0	0	2	15
Snow Vehicle Passenger	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	1	5
Motorcycle Driver	0	0	1	12	15	18	23	32	115	267	307	301	147	29	5	2	1,274
Motorcycle Passenger	4	4	6	4	5	6	8	14	37	78	91	96	41	11	1	5	411
Moped Driver	0	0	0	0	0	1	0	0	2	8	3	16	3	2	0	3	38
Moped Passenger	0	0	0	0	1	0	0	0	1	0	3	1	1	0	0	0	7
Other	2	3	4	2	1	2	2	6	14	22	41	35	16	17	12	21	200
Total	801	1,266	2,295	906	1,673	1,780	1,754	1,803	6,354	11,736	11,621	10,453	6,449	3,291	2,524	2,469	67,175

* Includes hangers on

** In this table, all terrain vehicles include two-wheel, three-wheel and four-wheel off-road vehicles.

UK = Unknown

Only persons involved in HTA reportable collisions are shown in this table (for more information on special vehicles, see Chapter 6).

Table 2.4: Sex of Driver by Class of Collision, 2007

Sex of Driver	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Male	911	50,844	194,073	245,828
Female	257	31,721	108,487	140,465
Unknown*	16	4,364	22,487	26,867
Total	1,184	86,929	325,047	413,160

* 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.

Table 2.5: Driver Condition by Class of Collision, 2007

Condition of Driver	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Normal	807	66,176	251,374	318,357
Had Been Drinking	47	1,127	2,316	3,490
Ability Impaired – Alcohol over .08	125	830	1,675	2,630
Ability Impaired Alcohol	5	419	875	1,299
Ability Impaired Drugs	22	109	177	308
Fatigue	14	654	1,199	1,867
Medical/Physical Disability	13	597	530	1,140
Inattentive	73	10,894	24,295	35,262
Other *	12	291	765	1,068
Unknown **	66	5,832	41,841	47,739
Total	1,184	86,929	325,047	413,160

* 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 .08: Driver had consumed alcohol and upon testing was found to have a blood alcohol level in excess of .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, 2007*

Driver Age	Driver Condition						Total
	Normal	Had Been Drinking	Impaired Alcohol over .08	Ability Impaired Alcohol	Other	Unknown	
Under 16	101	16	3	3	63	29	215
16	1,141	19	14	3	291	114	1,582
17	5,511	66	28	16	1,176	409	7,206
18	6,340	137	66	32	1,314	577	8,466
19	6,711	156	106	40	1,267	604	8,884
20	6,768	153	111	43	1,166	554	8,795
21–24	28,068	629	373	182	4,075	2,379	35,706
25–34	63,865	834	608	312	7,383	5,012	78,014
35–44	72,484	612	584	316	7,319	5,455	86,770
45–54	62,958	423	459	197	6,255	4,710	75,002
55–64	36,758	226	189	90	3,975	2,781	44,019
65–74	15,824	76	69	31	2,353	1,217	19,570
75 & over	9,146	28	15	8	2,005	862	12,064
Unknown	2,682	115	5	26	1,003	23,036	26,867
Total	318,357	3,490	2,630	1,299	39,645	47,739	413,160

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

Table 2.7: Recorded Occurrence of Driver Condition in Drivers Killed, 2007*

Recorded Occurrence	Number of Drivers	%
Normal	262	56.3
Had Been Drinking	34	7.3
Ability Impaired – Alcohol over .08	100	21.5
Ability Impaired Alcohol	1	0.2
Ability Impaired Drugs	20	4.3
Fatigue	6	1.3
Medical/Physical Disability	10	2.2
Inattentive	26	5.6
Other	6	1.3
Unknown	0	0.0
Total	465	100.0

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

Table 2.8: Apparent Driver Action by Class of Collision, 2007

Apparent Driver Action	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Driving Properly	514	41,288	161,815	203,617
Following Too Close	8	7,374	26,911	34,293
Speed Too Fast	77	1,083	1,820	2,980
Speed Too Fast for Conditions	65	4,551	15,767	20,383
Speed Too Slow	1	77	221	299
Improper Turn	28	3,840	12,698	16,566
Disobey Traffic Control	52	4,132	6,291	10,475
Fail to Yield Right of Way	74	8,515	20,268	28,857
Improper Passing	21	646	2,753	3,420
Lost Control	162	6,526	18,886	25,574
Wrong Way on One Way Road	3	100	190	293
Improper Lane Change	15	1,750	10,337	12,102
Other*	113	5,168	18,587	23,868
Unknown	51	1,879	28,503	30,433
Total	1,184	86,929	325,047	413,160

* 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, 2007

Safety Equipment Used	Severity of Injury					Total
	Fatal	Major	Minor	Minimal	None Injured	
Seat Belt Used	241	1,210	13,966	19,652	33,765	68,834
Other Equipment*	21	94	738	672	405	1,930
Equipment Not Used	99	152	312	125	105	793
No Safety Equipment	0	4	35	26	48	113
Use Unknown	35	146	923	858	2,315	4,277
Total	396	1,606	15,974	21,333	36,638	75,947

* 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, 2007

Safety Equipment Used	Severity of Injury					Total
	Fatal	Major	Minor	Minimal	None Injured	
Seat Belt Used	100	552	6,062	8,622	15,592	30,928
Child Safety Seat Used Incorrectly	1	2	13	34	101	151
Child Safety Seat Used Correctly	2	8	220	448	1,954	2,632
Other Equipment**	6	35	242	173	136	592
Equipment Not Used	55	135	328	188	129	835
No Safety Equipment	5	42	448	523	896	1,914
Use Unknown	16	77	443	432	1,081	2,049
Total	185	851	7,756	10,420	19,889	39,101

* 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, 2003–2007

Year Used	Child Restraint Used Correctly	Child Restraint Used Incorrectly	Lap/Lap & Shoulder Belt	Restraint Not Available	Available Not Used	Use Unknown	Total
2003	2	1	0	0	0	0	3
2004	1	0	0	0	0	0	1
2005	6	0	0	1	0	1	8
2006	5	1	0	0	0	1	7
2007	2	1	0	0	0	0	3

Table 2.12: Restraint Use for Children (0–4 Years) Involved in Fatal and Personal Injury Collisions by Severity of Injury, 2007

Restraint Used	Injury Level		
	Major / Fatal %	Minimal/Minor %	No Injuries %
Child Restraint Used Correctly	46.7	62.9	65.4
Child Restraint Used Incorrectly	13.3	5.4	3.5
Lap/Lap-Shoulder Belt	40.0	23.1	25.0
Not Available	0.0	4.7	3.3
Available/Not Used	0.0	0.6	0.1
Other	0.0	0.6	0.2
Unknown	0.0	2.7	2.5
Total	100.0	100.0	100.0

Table 2.13: Pedestrian Condition by Severity of Injury, 2007

Condition of Pedestrian	Killed	Injured
Normal	56	3,149
Had Been Drinking	6	212
Ability Impaired Alcohol over .08	23	10
Ability Impaired Alcohol	0	54
Ability Impaired Drugs	3	20
Fatigue	1	6
Medical or Physical Defect	6	98
Inattentive	11	674
Other	2	39
Unknown	0	374
Total	108	4,636

Table 2.14: Apparent Pedestrian Action by Severity of Injury, 2007

Apparent Pedestrian Action	Killed	Injured
Crossing Intersection With Right of Way	14	1,892
Crossing Intersection Without Right of Way	13	707
Crossing Intersection No Traffic Control	13	322
Crossing Pedestrian Crossover	2	111
Crossing Marked Crosswalk Without Right of Way	2	111
Walking on Roadway With Traffic	8	103
Walking on Roadway Against Traffic	2	58
On Sidewalk or Shoulder	14	306
Playing or Working on Highway	0	62
Coming from Behind Parked Vehicle or Object	2	96
Running onto Roadway	11	378
Getting On/Off School Bus*	1	9
Getting On/Off Vehicle	0	54
Pushing/Working on Vehicle	3	19
Other	23	408
Total	108	4,636

* Calendar Year

2B. PUTTING THE PEOPLE IN CONTEXT

Table 2.15: Category of Persons Killed and Injured, 1988–2007

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 100,000	Number	Rate Per 100,000
1988	9,439,600	563	63,339	350	39,157	186	6,344	138	9,318	1,237	13.1	118,158	1,251.7
1989	9,598,600	627	66,334	369	39,950	161	6,187	129	8,181	1,286	13.4	120,652	1,257.0
1990	9,743,300	540	55,073	321	33,606	154	5,839	105	7,057	1,120	11.5	101,575	1,042.5
1991	10,084,900	542	48,021	298	30,230	157	5,352	105	6,916	1,102	10.9	90,519	897.6
1992	10,098,600	548	49,259	317	30,567	140	5,177	85	6,022	1,090	10.8	91,025	901.4
1993	10,813,200	595	49,628	296	30,584	146	5,181	98	5,756	1,135	10.5	91,149	842.9
1994	10,927,800	508	49,632	273	29,570	127	5,344	91	5,484	999	9.1	90,030	823.9
1995	11,100,000	527	49,916	276	29,440	126	5,261	70	4,955	999	9.0	89,572	807.0
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	4,514	765	6.0	67,175	524.6

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

** Source: Ministry of Finance, Statistics Canada

Table 2.16: Sex of Driver Population by Age Groups, 2007

Sex of Driver	Age Groups							Total
	16–19	20–24	25–34	35–44	45–54	55–64	65+	
Male	248,100	384,794	782,699	953,081	952,166	682,324	659,731	4,662,895
Female	218,879	354,761	765,281	898,699	883,149	613,971	547,762	4,282,502
Total	466,979	739,555	1,547,980	1,851,780	1,835,315	1,296,295	1,207,493	8,945,397

Table 2.17: Driver Population by Age Groups, 1988–2007

Year	Age Groups							Total
	16–19	20–24	25–34	35–44	45–54	55–64	65+	
1988	310,764	643,691	1,588,516	1,353,841	898,103	714,266	608,931	6,118,112
1989	323,109	631,470	1,634,187	1,409,053	931,991	720,788	639,826	6,290,424
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

Table 2.18: Driver Licence Class by Sex, 2007

Licence Class	Driver Sex				Total	
	Male	%	Female	%		
A	104,228	2.24	2,271	0.05	106,499	1.19
AB	4,947	0.11	664	0.02	5,611	0.06
ABM	2,620	0.06	157	0.00	2,777	0.03
ABM1	39	0.00	3	0.00	42	0.00
ABM2	182	0.00	48	0.00	230	0.00
AC	27,036	0.58	1,001	0.02	28,037	0.31
ACM	10,507	0.23	183	0.00	10,690	0.12
ACM1	251	0.01	9	0.00	260	0.00
ACM2	1,295	0.03	44	0.00	1,339	0.01
AM	28,440	0.61	199	0.00	28,639	0.32
AM1	616	0.01	14	0.00	630	0.01
AM2	3,364	0.07	77	0.00	3,441	0.04
B	17,611	0.38	17,735	0.41	35,346	0.40
BM	4,714	0.10	929	0.02	5,643	0.06
BM1	61	0.00	53	0.00	114	0.00
BM2	347	0.01	285	0.01	632	0.01
C	7,092	0.15	1,056	0.02	8,148	0.09
CM	1,716	0.04	71	0.00	1,787	0.02
CM1	50	0.00	6	0.00	56	0.00
CM2	234	0.01	27	0.00	261	0.00
D	221,608	4.75	21,372	0.50	242,980	2.72
DE	114	0.00	28	0.00	142	0.00
DEM	32	0.00	0	0.00	32	0.00
DEM1	0	0.00	0	0.00	0	0.00
DEM2	3	0.00	0	0.00	3	0.00
DF	2,420	0.05	177	0.00	2,597	0.03
DFM	871	0.02	24	0.00	895	0.01
DFM1	26	0.00	3	0.00	29	0.00
DFM2	103	0.00	15	0.00	118	0.00
DM	61,802	1.33	1,586	0.04	63,388	0.71
DM1	644	0.01	44	0.00	688	0.01
DM2	4,292	0.09	282	0.01	4,574	0.05
E	1,446	0.03	2,269	0.05	3,715	0.04

Table 2.18: Driver Licence Class by Sex, 2007 (continued)

Licence Class	Driver Sex				Total	%
	Male	%	Female	%		
EM	156	0.00	43	0.00	199	0.00
EM1	2	0.00	3	0.00	5	0.00
EM2	24	0.00	8	0.00	32	0.00
F	7,593	0.16	6,110	0.14	13,703	0.15
FM	1,379	0.03	234	0.01	1,613	0.02
FM1	36	0.00	24	0.00	60	0.00
FM2	251	0.01	139	0.00	390	0.00
G	3,182,686	68.26	3,490,804	81.51	6,673,490	74.60
G1	234,935	5.04	325,005	7.59	559,940	6.26
G1M	56	0.00	18	0.00	74	0.00
G1M1	677	0.01	114	0.00	791	0.01
G1M2	897	0.02	214	0.00	1,111	0.01
G2	330,254	7.08	334,161	7.80	664,415	7.43
G2M	309	0.01	52	0.00	361	0.00
G2M1	1,129	0.02	169	0.00	1,298	0.01
G2M2	3,047	0.07	474	0.01	3,521	0.04
GM	334,312	7.17	56,183	1.31	390,495	4.37
GM1	8,023	0.17	2,431	0.06	10,454	0.12
GM2	46,889	1.01	15,309	0.36	62,198	0.70
M	803	0.02	155	0.00	958	0.01
M1	246	0.01	64	0.00	310	0.00
M2	480	0.01	156	0.00	636	0.01
Other	0	0.00	0	0.00	0	0.00
Total	4,662,895	100.00	4,282,502	100.00	8,945,397	100.00

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1931–2007

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
1931	666,266	9,241	571	8,494
1932	648,710	9,171	502	8,231
1933	638,710	8,634	403	7,877
1934	665,743	9,645	512	8,990
1935	707,457	10,648	560	9,839
1936	755,765	11,388	546	10,251
1937	802,765	13,906	766	12,092
1938	866,729	13,715	640	11,683
1939	899,572	13,710	652	11,638
1940	937,551	16,921	716	13,715
1941	986,773	18,167	801	14,275
1942	961,883	13,490	567	10,205
1943	919,457	11,025	549	8,628
1944	905,650	11,004	498	8,373
1945	971,852	13,458	598	9,804
1946	1,087,445	17,356	688	12,228
1947	1,144,291	22,293	734	13,056
1948	1,209,408	27,406	740	14,970
1949	1,278,584	34,472	830	17,469
1950	1,366,388	43,681	791	19,940
1951	1,461,538	54,920	949	22,557
1952	1,556,559	58,515	1,010	23,643
1953	1,656,259	65,866	1,082	24,353
1954	1,747,567	62,509	1,045	24,607
1955	1,856,845	63,219	1,111	26,246
1956	1,967,789	71,399	1,180	28,626
1957	2,088,551	76,302	1,279	30,414
1958	2,176,417	76,884	1,112	30,106
1959	2,270,246	81,518	1,187	31,602
1960	2,355,567	87,186	1,166	34,436
1961	2,414,615	85,577	1,268	37,146
1962	2,469,425	94,231	1,383	41,766
1963	2,555,015	104,919	1,421	47,801

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1931–2007 (continued)

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
1964	2,694,023	111,232	1,424	54,560
1965	2,739,138	128,462	1,611	60,917
1966	2,821,648	139,781	1,596	65,210
1967	3,004,654	145,008	1,719	67,280
1968	3,128,509	155,127	1,586	71,520
1969	3,247,979	169,395	1,683	74,902
1970	3,422,892	141,609	1,535	75,126
1971	3,563,197	158,831	1,769	84,650
1972	3,688,541	189,494	1,934	95,181
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

Table 2.19: Licensed Drivers, Total Collisions, Persons Killed and Injured, 1931–2007 (continued)

Year	Licensed Drivers	Total Collisions	Persons Killed	Persons Injured
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
2007	8,945,397	233,487	765	67,175

Table 2.20: Driver Age Groups – Number Licensed, Collision Involvement and Per Cent Involved in Collisions, 2007

Drivers Age	Drivers Licensed			Drivers Involved in Collisions*			% of Drivers of Each Age Involved in Collisions		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 16	0	0	0	112	36	148	N/A	N/A	N/A
16	46,042	39,807	85,849	970	589	1,559	2.11	1.48	1.82
17	62,214	54,124	116,338	4,329	2,834	7,163	6.96	5.24	6.16
18	68,235	60,546	128,781	5,325	3,108	8,433	7.80	5.13	6.55
19	71,609	64,402	136,011	5,632	3,221	8,853	7.86	5.00	6.51
20	73,669	66,738	140,407	5,601	3,150	8,751	7.60	4.72	6.23
21–24	311,125	288,023	599,148	21,874	13,695	35,569	7.03	4.75	5.94
25–34	782,699	765,281	1,547,980	48,306	29,366	77,672	6.17	3.84	5.02
35–44	953,081	898,699	1,851,780	54,013	32,302	86,315	5.67	3.59	4.66
45–54	952,166	883,149	1,835,315	47,965	26,605	74,570	5.04	3.01	4.06
55–64	682,324	613,971	1,296,295	29,158	14,638	43,796	4.27	2.38	3.38
65–74	399,011	334,220	733,231	13,145	6,328	19,473	3.29	1.89	2.66
75 & over	260,720	213,542	474,262	7,712	4,320	12,032	2.96	2.02	2.54
Unknown	0	0	0	40,325	0	40,325	N/A	N/A	N/A
Total	4,662,895	4,282,502	8,945,397	284,467	140,192	424,659	6.10	3.27	4.75

* 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

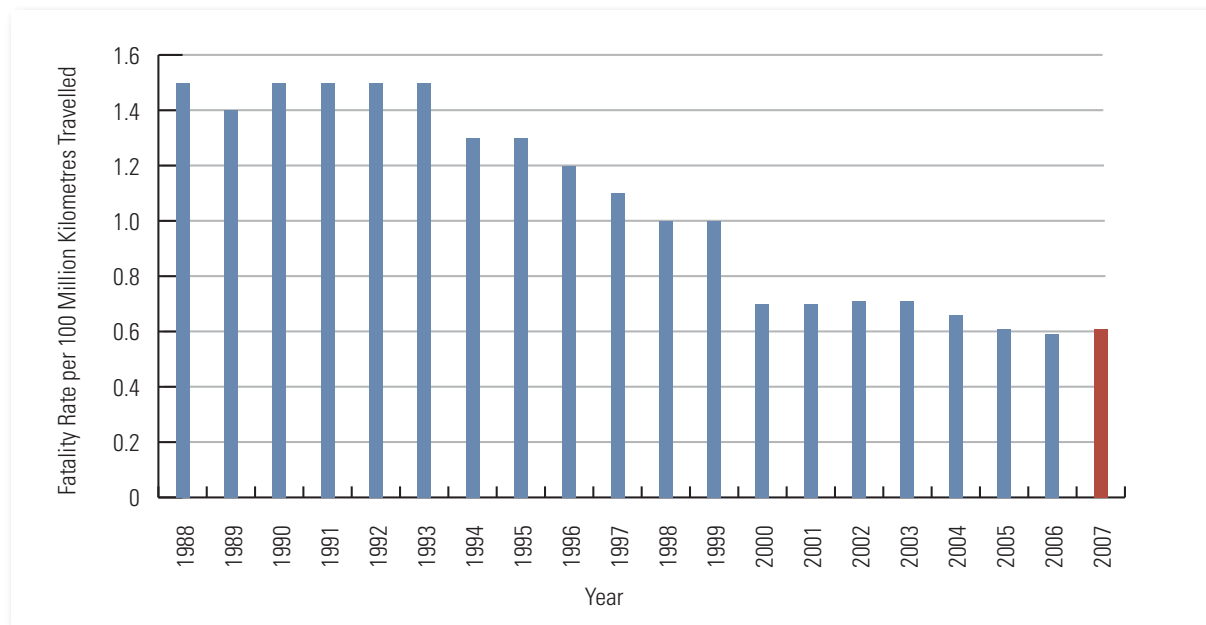


3. THE COLLISION

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 of week, month of year, collision type, location, and environmental factors. Identifying these contributing factors is an important step toward reducing the incidence of collisions on Ontario’s roads.

The number of fatal collisions decreased from 692 in 2006 to 683 in 2007 and the number of injury collisions decreased from 47,411 in 2006 to 47,014 in 2007, down by 397. However, the number of property damage collisions increased from 168,144 in 2006 to 185,790 in 2007, up by 17,646 collisions. In 2007, the fatality rate per 100 million kilometres travelled in Ontario increased from 0.59 in 2006 to 0.61 in 2007.

Figure 3 Fatality Rate per 100 Million Kilometres Travelled in Ontario, 1988–2007



3A. TYPES OF COLLISIONS

Table 3.1: Class of Collision, 1988–2007

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

Table 3.2: Collision Rate Per One Million Kilometres Travelled, 1988–2007

Year	Collision Rate	Year	Collision Rate	Year	Collision Rate
1988	3.2	1995	2.8	2002	2.0*
1989	3.2	1996	2.7	2003	2.1*
1990	3.0	1997	2.7	2004	1.9*
1991	2.9	1998	2.5	2005	1.8*
1992	3.1	1999	2.5	2006	1.7*
1993	3.0	2000	2.0*	2007	1.9*
1994	2.9	2001	2.0*		

* Based on Statistics Canada estimates of Vehicle Kilometres Travelled

Table 3.3: Motor Vehicles Involved in Collisions Based on Initial Impact, 2007

Motor Vehicle in Collision Involving	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Moveable Objects:				
Other Motor Vehicles	747	67,552	269,696	337,995
Unattended Vehicles	13	495	14,099	14,607
Pedestrian	94	4,226	315	4,635
Cyclist	20	2,446	528	2,994
Railway Train	5	12	29	46
Street Car	0	29	226	255
Farm Tractor	0	32	85	117
Domestic Animal	1	67	637	705
Wild Animal	5	523	13,398	13,926
Other Moveable Objects	0	77	241	318
Sub-total	885	75,459	299,254	375,598
Fixed Objects:				
Cable Guide Rail	2	50	285	337
Concrete Guide Rail	7	297	1,225	1,529
Steel Guide Rail	1	166	811	978
Pole (Utility Tower)	2	347	1,399	1,748
Pole (Sign/Parking Meter)	4	95	792	891
Fence/Noise Barrier	0	26	202	228
Culvert	1	10	28	39
Bridge Support	2	25	102	129
Rock Face	0	14	19	33
Snow Bank or Drift	2	49	275	326
Ditch	3	302	785	1,090
Curb	12	476	1,611	2,099
Crash Cushion	0	21	54	75
Building or Wall	0	36	153	189
Water Course	0	1	6	7
Construction Marker	0	6	56	62
Tree, Shrub, or Stump	5	107	415	527
Other Fixed Object	4	301	1,546	1,851
Sub-total	45	2,329	9,764	12,138

Table 3.3: Motor Vehicles Involved in Collisions Based on Initial Impact, 2007 (continued)

Motor Vehicle in Collision Involving	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Other Events:				
Ran Off Road	123	3,440	8,122	11,685
Skidding/Sliding	124	4,870	16,732	21,726
Jack-knifing	0	27	96	123
Load Spill	0	11	64	75
Fire/Explosion	0	4	215	219
Submersion	0	5	5	10
Rollover	4	202	294	500
Debris on Road	1	106	1,006	1,113
Debris off Vehicle	6	140	1,283	1,429
Other Non-Collision Event	21	1,234	3,432	4,687
Sub-total	279	10,039	31,249	41,567
Total	1,209	87,827	340,267	429,303

Table 3.4: Initial Impact Type by Class of Collision, 2007

Initial Impact Type	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Approaching	135	1,362	2,676	4,173
Angle	71	6,247	17,194	23,512
Rear End	42	12,701	51,005	63,748
Sideswipe	38	3,114	22,931	26,083
Turning Movement	57	7,827	27,259	35,143
With Unattended Motor Vehicle	14	519	14,329	14,862
Single Motor Vehicle	325	15,074	48,072	63,471
Other	1	170	2,324	2,495
Unknown	0	0	0	0
Total	683	47,014	185,790	233,487

3B. TIME AND ENVIRONMENT

Table 3.5: Month of Occurrence by Class of Collision, 2007

Month of Occurrence	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
January	43	6.3	4,068	8.7	17,920	9.6	22,031	9.4
February	50	7.3	4,051	8.6	19,009	10.2	23,110	9.9
March	45	6.6	3,353	7.1	13,986	7.5	17,384	7.4
April	51	7.5	3,161	6.7	11,581	6.2	14,793	6.3
May	62	9.1	3,857	8.2	12,931	7.0	16,850	7.2
June	72	10.5	4,256	9.1	14,179	7.6	18,507	7.9
July	53	7.8	4,064	8.6	13,238	7.1	17,355	7.4
August	66	9.7	4,118	8.8	13,775	7.4	17,959	7.7
September	78	11.4	3,996	8.5	13,463	7.2	17,537	7.5
October	55	8.1	4,066	8.6	15,565	8.4	19,686	8.4
November	55	8.1	4,461	9.5	19,772	10.6	24,288	10.4
December	53	7.8	3,563	7.6	20,371	11.0	23,987	10.3
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

Table 3.6: Day of Week by Class of Collision, 2007

Day of Occurrence	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
Monday	88	12.9	6,939	14.8	27,426	14.8	34,453	14.8
Tuesday	96	14.1	6,626	14.1	26,811	14.4	33,533	14.4
Wednesday	81	11.9	6,791	14.4	27,910	15.0	34,782	14.9
Thursday	90	13.2	7,451	15.8	30,198	16.3	37,739	16.2
Friday	112	16.4	7,803	16.6	31,635	17.0	39,550	16.9
Saturday	108	15.8	6,299	13.4	23,294	12.5	29,701	12.7
Sunday	108	15.8	5,105	10.9	18,516	10.0	23,729	10.2
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

Table 3.7: Hour of Occurrence by Class of Collision, 2007

Hour of Occurrence A.M.	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
12 to 1 a.m.	29	4.2	670	1.4	2,710	1.5	3,409	1.5
1 to 2 a.m.	20	2.9	651	1.4	2,523	1.4	3,194	1.4
2 to 3 a.m.	34	5.0	657	1.4	2,517	1.4	3,208	1.4
3 to 4 a.m.	17	2.5	536	1.1	2,159	1.2	2,712	1.2
4 to 5 a.m.	19	2.8	405	0.9	1,714	0.9	2,138	0.9
5 to 6 a.m.	13	1.9	515	1.1	2,486	1.3	3,014	1.3
Sub-total	132	19.3	3,434	7.3	14,109	7.6	17,675	7.6
6 to 7 a.m.	23	3.4	1,283	2.7	5,210	2.8	6,516	2.8
7 to 8 a.m.	19	2.8	1,966	4.2	8,276	4.5	10,261	4.4
8 to 9 a.m.	26	3.8	2,837	6.0	12,201	6.6	15,064	6.5
9 to 10 a.m.	23	3.4	2,187	4.7	9,244	5.0	11,454	4.9
10 to 11 a.m.	27	4.0	2,170	4.6	8,866	4.8	11,063	4.7
11 to 12 noon	42	6.1	2,480	5.3	9,710	5.2	12,232	5.2
Sub-total	160	23.4	12,923	27.5	53,507	28.8	66,590	28.5
Hour of Occurrence P.M.								
12 to 1 p.m.	29	4.2	2,893	6.2	11,061	6.0	13,983	6.0
1 to 2 p.m.	27	4.0	2,728	5.8	10,310	5.5	13,065	5.6
2 to 3 p.m.	33	4.8	2,991	6.4	11,123	6.0	14,147	6.1
3 to 4 p.m.	35	5.1	3,714	7.9	13,648	7.3	17,397	7.5
4 to 5 p.m.	42	6.1	3,723	7.9	14,448	7.8	18,213	7.8
5 to 6 p.m.	47	6.9	3,796	8.1	15,158	8.2	19,001	8.1
Sub-total	213	31.2	19,845	42.2	75,748	40.8	95,806	41.0
6 to 7 p.m.	37	5.4	2,997	6.4	11,746	6.3	14,780	6.3
7 to 8 p.m.	47	6.9	2,174	4.6	8,127	4.4	10,348	4.4
8 to 9 p.m.	29	4.2	1,653	3.5	6,312	3.4	7,994	3.4
9 to 10 p.m.	24	3.5	1,473	3.1	5,888	3.2	7,385	3.2
10 to 11 p.m.	21	3.1	1,251	2.7	4,857	2.6	6,129	2.6
11 to 12 midnight	20	2.9	942	2.0	3,884	2.1	4,846	2.1
Sub-total	178	26.1	10,490	22.3	40,814	22.0	51,482	22.0
Unknown	0	0.0	322	0.7	1,612	0.9	1,934	0.8
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

Table 3.8: Statutory Holidays, Holiday Weekends – Fatal Collisions, Persons Killed and Injured, 2007

Statutory Holiday*	Number of Fatal Collisions	Drivers		Passengers		Others		Total	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Easter Weekend	5	4	3	2	4	0	0	6	7
Victoria Day	8	4	5	2	1	2	0	8	6
Canada Day	13	9	6	4	6	0	0	13	12
Civic Holiday (Simcoe Day)	6	5	1	2	2	1	0	8	3
Labour Day	15	10	8	7	13	2	0	19	21
Thanksgiving Day	9	5	7	4	5	1	0	10	12
Christmas/Boxing Day	10	3	7	5	5	2	0	10	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, 2007

Light Condition	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
Daylight	384	56.2	33,820	71.9	129,343	69.6	163,547	70.0
Dawn	13	1.9	700	1.5	3,335	1.8	4,048	1.7
Dusk	26	3.8	1,414	3.0	6,029	3.2	7,469	3.2
Darkness	260	38.1	11,053	23.5	46,802	25.2	58,115	24.9
Other	0	0.0	27	0.1	281	0.2	308	0.1
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

Table 3.10: Visibility by Class of Collision, 2007

Visibility	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
Clear	545	79.80	37,796	80.39	143,655	77.32	181,996	77.95
Rain	55	8.05	4,290	9.12	15,964	8.59	20,309	8.70
Snow	41	6.00	3,482	7.41	19,732	10.62	23,255	9.96
Freezing Rain	7	1.02	338	0.72	1,906	1.03	2,251	0.96
Drifting Snow	18	2.64	508	1.08	2,231	1.20	2,757	1.18
Strong Wind	2	0.29	157	0.33	570	0.31	729	0.31
Fog, Mist, Smoke, or Dust	13	1.90	267	0.57	1,108	0.60	1,388	0.59
Other	2	0.29	176	0.37	624	0.34	802	0.34
Total	683	100.00	47,014	100.00	185,790	100.00	233,487	100.00

3C. THE COLLISION LOCATION

Table 3.11: Road Jurisdiction by Class of Collision, 2007

Road Jurisdiction	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Municipal (Excluding Township Road)	237	28,947	114,783	143,967
Provincial Highway	215	8,143	32,877	41,235
Township	46	1,568	6,659	8,273
County or District	97	2,724	10,112	12,933
Regional Municipality	84	5,543	20,932	26,559
Federal	3	63	311	377
Other	1	26	116	143
Total	683	47,014	185,790	233,487

Table 3.12: Road Jurisdiction for All Collisions, 1998–2007

Road Jurisdiction*	Year										Total
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Municipal	123,112	126,063	136,499	143,951	149,533	149,310	139,303	139,081	132,420	143,967	1,383,239
Provincial	33,590	37,139	38,366	36,511	39,579	42,518	40,506	40,780	37,603	41,235	387,827
Township	8,696	8,672	9,844	8,678	9,602	9,146	8,144	8,189	7,819	8,273	87,063
County or District	11,114	11,217	12,847	12,692	13,773	14,200	13,929	12,852	12,144	12,933	127,701
Regional Municipality	36,295	38,360	42,464	31,659	31,628	30,731	29,195	28,864	25,760	26,559	321,515
Federal	392	400	439	354	425	423	363	392	343	377	3,908
Other	157	111	171	159	102	135	108	100	158	143	1,344
Total	213,356	221,962	240,630	234,004	244,642	246,463	231,548	230,258	216,247	233,487	2,312,597

* 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, 2007

Road Location	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
Non-intersection	430	63.0	18,382	39.1	86,113	46.3	104,925	44.9
Intersection Related	98	14.3	11,860	25.2	45,278	24.4	57,236	24.5
At Intersection	103	15.1	12,164	25.9	31,274	16.8	43,541	18.6
At/Near Private Drive	38	5.6	4,201	8.9	21,443	11.5	25,682	11.0
At Railway	6	0.9	77	0.2	292	0.2	375	0.2
Underpass or Tunnel	1	0.1	39	0.1	185	0.1	225	0.1
Overpass or Bridge	6	0.9	205	0.4	845	0.5	1,056	0.5
Other	1	0.1	86	0.2	360	0.2	447	0.2
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

Table 3.14: Road Surface Condition by Class of Collision, 2007

Road Surface Condition	Class of Collision						Total	
	Fatal	%	Personal Injury	%	Property Damage	%		
Dry	492	72.0	32,594.0	69.3	118,291	63.7	151,377	64.8
Wet	104	15.2	8,283.0	17.6	32,814.0	17.7	41,201	17.6
Loose Snow	24	3.5	1,880.0	4.0	11,211.0	6.0	13,115	5.6
Slush	14	2.0	1,121.0	2.4	5,540.0	3.0	6,675	2.9
Packed Snow	17	2.5	1,092.0	2.3	7,090.0	3.8	8,199	3.5
Ice	27	4.0	1,633.0	3.5	9,352.0	5.0	11,012	4.7
Mud	1	0.1	12.0	0.0	55.0	0.0	68	0.0
Loose Sand or Gravel	2	0.3	241.0	0.5	605.0	0.3	848	0.4
Spilled Liquid	0	0.0	16.0	0.0	35.0	0.0	51	0.0
Other	2	0.3	142	0.3	797.0	0.4	941	0.4
Total	683	100.0	47,014	100.0	185,790	100.0	233,487	100.0

PLACE OF COLLISION



4. PLACE OF COLLISION

This section pinpoints the location of collisions in Ontario and provides a breakdown of the various classes of collision by municipality. 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 of this section are not necessarily comparable from year to year. Information about number of population 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, 2007

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
ONTARIO TOTAL	233,487	683	47,014	185,790	765	67,175	8,424,928
Algoma							
Blind River T	16	0	3	13	0	3	
Elliot Lake C	66	0	7	59	0	9	
Huron Shores M	12	0	2	10	0	4	
Macdonald, Meredith & Aberdeen Add'l TP	10	0	3	7	0	3	
Sault Ste. Marie C	1,326	3	273	1,050	3	427	
Provincial Highway	582	10	131	441	11	210	
Other Areas	284	0	55	229	0	79	
Algoma Total	2,296	13	474	1,809	14	735	113,178
Brant							
Brantford C	1,415	0	262	1,153	0	368	
Provincial Highway	288	3	69	216	3	104	
Other Areas	502	5	102	395	9	151	
Brant Total	2,205	8	433	1,764	12	623	93,596

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Bruce							
Arran-Elderslie M	73	1	9	63	1	16	
Brockton M	422	2	86	334	3	138	
Huron-Kinloss TP	282	0	58	224	0	82	
Kincardine M	187	0	39	148	0	58	
Saugeen Shores T	126	0	19	107	0	28	
South Bruce Peninsula T	75	0	14	61	0	18	
Provincial Highway	272	2	64	206	3	102	
Other Areas	231	3	51	177	3	79	
Bruce Total	1,668	8	340	1,320	10	521	66,760
Chatham-Kent							
Provincial Highway	194	2	57	135	2	89	
Other Areas	1,470	15	307	1,148	21	446	
Chatham-Kent Total	1,664	17	364	1,283	23	535	88,399
Cochrane							
Black River-Matheson TP	1	0	0	1	0	0	
Cochrane T	86	0	20	66	0	29	
Hearst T	47	0	5	42	0	5	
Iroquois Falls T	25	0	2	23	0	2	
Kapuskasing T	79	1	17	61	1	24	
Timmins C	665	2	133	530	2	194	
Provincial Highway	372	2	81	289	2	110	
Other Areas	207	0	27	180	0	35	
Cochrane Total	1,482	5	285	1,192	5	399	84,871
Dufferin							
Amaranth TP	105	0	22	83	0	30	
East Garafraxa TP	78	0	19	59	0	29	
East Luther Grand Valley TP	33	0	7	26	0	11	
Melancthon TP	83	0	16	67	0	24	
Mono T	123	0	22	101	0	34	
Mulmur TP	89	1	11	77	1	22	
Orangeville T	289	1	52	236	1	74	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Shelburne T	48	0	10	38	0	11	
Provincial Highway	224	4	61	159	4	111	
Other Areas	277	1	59	217	1	86	
Dufferin Total	1,349	7	279	1,063	7	432	44,471
Durham							
Ajax T	1,173	3	181	989	4	240	
Brock TP	105	1	18	86	1	31	
Clarington M	643	6	114	523	7	180	
Oshawa C	2,133	0	387	1,746	0	527	
Pickering C	1,159	1	185	973	1	257	
Scugog TP	251	3	48	200	3	70	
Uxbridge TP	247	4	46	197	5	73	
Whitby T	1,280	4	231	1,045	4	329	
Provincial Highway	1,830	9	398	1,423	10	628	
Other Areas	91	0	23	68	0	35	
Durham Total	8,912	31	1,631	7,250	35	2,370	411,640
Elgin							
Aylmer T	71	0	10	61	0	16	
Bayham M	88	0	16	72	0	19	
Central Elgin M	195	1	33	161	1	51	
Dutton-Dunwich M	71	0	7	64	0	14	
Malahide TP	108	1	25	82	1	37	
Southwold TP	69	0	14	55	0	24	
St. Thomas C	357	0	103	254	0	137	
West Elgin M	58	0	10	48	0	15	
Provincial Highway	166	4	39	123	6	64	
Other Areas	54	0	10	44	0	15	
Elgin Total	1,237	6	267	964	8	392	73,238
Essex							
Amherstburg T	218	2	28	188	2	37	
Essex T	268	0	38	230	0	56	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Kingsville T	191	0	46	145	0	62	
Lakeshore T	325	0	74	251	0	111	
LaSalle T	142	0	24	118	0	39	
Leamington M	404	4	90	310	4	140	
Tecumseh T	286	2	52	232	2	68	
Windsor C	4,291	4	846	3,441	6	1,124	
Provincial Highway	242	6	57	179	6	93	
Other Areas	94	0	21	73	0	34	
Essex Total	6,461	18	1,276	5,167	20	1,764	266,963
Frontenac							
Central Frontenac TP	78	1	17	60	1	24	
Frontenac Islands TP	15	0	5	10	0	5	
Kingston C	1,542	1	300	1,241	1	426	
North Frontenac TP	31	0	9	22	0	12	
South Frontenac TP	232	0	51	181	0	64	
Provincial Highway	340	2	62	276	2	91	
Other Areas	38	1	6	31	1	9	
Frontenac Total	2,276	5	450	1,821	5	631	105,978
Grey							
The Blue Mountains T	97	0	11	86	0	18	
Chatsworth TP	63	0	11	52	0	20	
Georgian Bluffs TP	17	0	2	15	0	2	
Grey Highlands M	56	1	8	47	1	18	
Hanover T	118	0	16	102	0	22	
Meaford M	113	0	19	94	0	25	
Owen Sound C	326	0	68	258	0	86	
Southgate TP	46	0	10	36	0	12	
West Grey M	469	2	78	389	2	118	
Provincial Highway	322	5	66	251	9	102	
Other Areas	263	0	41	222	0	61	
Grey Total	1,890	8	330	1,552	12	484	74,915

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Haldimand-Norfolk							
Provincial Highway	245	3	77	165	3	125	
Other Areas	1,520	4	320	1,196	4	470	
Haldimand-Norfolk Total	1,765	7	397	1,361	7	595	96,728
Haliburton							
Algonquin Highlands TP	2	0	1	1	0	1	
Dysart et al TP	109	1	17	91	1	19	
Highlands East M	2	0	0	2	0	0	
Minden Hills TP	98	1	17	80	1	22	
Provincial Highway	191	1	34	156	1	51	
Other Areas	129	0	34	95	0	40	
Haliburton Total	531	3	103	425	3	133	21,140
Halton							
Burlington C	2,257	3	474	1,780	3	676	
Halton Hills T	686	6	160	520	7	220	
Milton T	954	6	252	696	7	366	
Oakville T	2,063	1	308	1,754	1	445	
Provincial Highway	2,503	3	456	2,044	3	689	
Other Areas	145	0	23	122	0	32	
Halton Total	8,608	19	1,673	6,916	21	2,428	328,718
Hamilton							
Hamilton C	9,001	25	1,785	7,191	31	2,546	
Provincial Highway	1,231	7	269	955	7	439	
Other Areas	0	0	0	0	0	0	
Hamilton Total	10,232	32	2,054	8,146	38	2,985	306,540
Hastings							
Bancroft T	78	0	9	69	0	13	
Belleville C	920	0	208	712	0	290	
Centre Hastings M	32	0	7	25	0	9	
Deseronto T	6	0	1	5	0	1	
Faraday TP	14	0	7	7	0	7	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Hastings Highlands M	2	0	0	2	0	0	
Madoc TP	16	0	4	12	0	6	
Marmora and Lake M	27	0	6	21	0	6	
Stirling-Rawdon TP	75	0	15	60	0	22	
Tweed M	84	0	14	70	0	21	
Tyendinaga TP	71	0	21	50	0	26	
Provincial Highway	609	4	117	488	4	189	
Other Areas	786	3	179	604	3	268	
Hastings Total	2,720	7	588	2,125	7	858	115,456
Huron							
Ashfield-Colborne-Wawanosh TP	52	0	12	40	0	17	
Bluewater M	2	0	0	2	0	0	
Central Huron M	16	0	2	14	0	2	
Goderich T	85	0	16	69	0	20	
Howick TP	64	1	9	54	1	25	
Huron East M	108	0	16	92	0	29	
Morris-Turnberry M	51	0	8	43	0	10	
North Huron TP	22	0	5	17	0	5	
South Huron M	1	0	0	1	0	0	
Provincial Highway	201	3	41	157	3	80	
Other Areas	486	8	91	387	8	156	
Huron Total	1,088	12	200	876	12	344	51,786
Kawartha Lakes							
Kawartha Lakes C	1,007	5	205	797	5	294	
Provincial Highway	282	2	66	214	4	120	
Other Areas	7	0	4	3	0	5	
Kawartha Lakes Total	1,296	7	275	1,014	9	419	69,933
Kenora							
Dryden C	132	2	18	112	2	27	
Kenora C	374	0	40	334	0	52	
Red Lake M	29	0	6	23	0	10	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Sioux Lookout M	47	0	10	37	0	14	
Provincial Highway	863	5	115	743	7	186	
Other Areas	151	0	21	130	0	27	
Kenora Total	1,596	7	210	1,379	9	316	52,218
Lambton							
Brooke-Alvinston TP	46	0	7	39	0	11	
Dawn-Euphemia TP	36	1	8	27	1	13	
Enniskillen TP	75	0	6	69	0	8	
Petrolia T	37	0	4	33	0	6	
Plympton-Wyoming T	97	2	25	70	2	37	
Point Edward V	25	0	4	21	0	8	
Sarnia C	943	6	173	764	6	243	
St. Clair TP	2	0	0	2	0	0	
Warwick TP	50	2	8	40	2	11	
Provincial Highway	225	4	49	172	4	79	
Other Areas	313	0	63	250	0	94	
Lambton Total	1,849	15	347	1,487	15	510	101,727
Lanark							
Beckwith TP	72	0	6	66	0	7	
Carleton Place T	85	0	9	76	0	13	
Lanark Highlands TP	163	0	24	139	0	27	
Mississippi Mills T	145	2	25	118	3	41	
Montague TP	48	1	4	43	2	5	
Perth T	168	0	26	142	0	36	
Smiths Falls ST	220	0	27	193	0	32	
Tay Valley TP	5	0	0	5	0	0	
Provincial Highway	199	2	36	161	2	64	
Other Areas	266	0	51	215	0	77	
Lanark Total	1,371	5	208	1,158	7	302	57,134

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Leeds & Grenville							
Athens TP	30	0	8	22	0	11	
Augusta TP	77	0	20	57	0	37	
Brockville C	382	0	87	295	0	127	
Edwardsburgh/Cardinal TP	78	2	14	62	3	20	
Elizabethtown-Kitley TP	143	3	29	111	3	48	
Front of Yonge TP	19	0	9	10	0	11	
Gananoque ST	45	0	7	38	0	8	
Leeds and the Thousand Islands TP	1	0	0	1	0	0	
Merrickville-Wolford V	47	1	8	38	2	9	
North Grenville M	291	0	59	232	0	92	
Prescott ST	102	0	20	82	0	29	
Rideau Lakes TP	143	0	23	120	0	33	
Provincial Highway	645	4	122	519	4	193	
Other Areas	294	1	57	236	1	76	
Leeds & Grenville Total	2,297	11	463	1,823	13	694	86,534
Lennox & Addington							
Addington Highlands TP	10	0	1	9	0	1	
Greater Napanee T	215	2	42	171	2	65	
Loyalist TP	139	0	36	103	0	62	
Stone Mills TP	101	0	16	85	0	27	
Provincial Highway	264	6	60	198	8	98	
Other Areas	51	0	11	40	0	21	
Lennox & Addington Total	780	8	166	606	10	274	32,155
Manitoulin							
Central Manitoulin M	15	0	0	15	0	0	
Provincial Highway	224	2	25	197	2	31	
Other Areas	115	0	16	99	0	20	
Manitoulin Total	354	2	41	311	2	51	14,518

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Middlesex							
Adelaide-Metcalf TP	67	1	11	55	1	21	
London C	7,590	5	1,471	6,114	5	2,050	
Lucan Biddulph TP	44	0	11	33	0	14	
Middlesex Centre M	309	6	63	240	7	111	
North Middlesex M	0	0	0	0	0	0	
Southwest Middlesex M	23	0	4	19	0	4	
Strathroy-Caradoc TP	249	2	44	203	2	63	
Provincial Highway	512	8	96	408	10	159	
Other Areas	611	8	141	462	8	249	
Middlesex Total	9,405	30	1,841	7,534	33	2,671	282,443
Muskoka							
Bracebridge T	228	0	32	196	0	41	
Georgian Bay TP	43	0	12	31	0	17	
Gravenhurst T	134	2	15	117	3	23	
Huntsville T	288	1	41	246	1	52	
Lake Of Bays TP	45	0	8	37	0	12	
Muskoka Lakes TP	120	1	18	101	2	24	
Provincial Highway	589	4	106	479	4	155	
Other Areas	89	0	8	81	0	11	
Muskoka Total	1,536	8	240	1,288	10	335	62,542
Niagara							
Fort Erie T	366	2	63	301	2	101	
Grimsby T	234	1	48	185	1	68	
Lincoln T	258	0	47	211	0	56	
Niagara Falls C	1,447	3	265	1,179	3	389	
Niagara-On-The-Lake T	228	5	50	173	5	96	
Pelham T	174	0	31	143	0	43	
Port Colborne C	197	0	32	165	0	47	
St. Catharines C	1,957	7	261	1,689	7	334	
Thorold C	258	2	51	205	2	71	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Wainfleet TP	67	0	15	52	0	19	
Welland C	707	1	154	552	1	220	
West Lincoln TP	165	2	37	126	3	47	
Provincial Highway	1,409	10	321	1,078	10	468	
Other Areas	278	0	56	222	0	80	
Niagara Total	7,745	33	1,431	6,281	34	2,039	314,460
Nipissing							
Bonfield TP	9	0	3	6	0	3	
East Ferris TP	32	0	4	28	0	4	
Mattawa T	10	0	1	9	0	1	
North Bay C	787	1	165	621	1	212	
West Nipissing M	146	0	12	134	0	16	
Provincial Highway	686	10	134	542	12	226	
Other Areas	109	0	16	93	0	20	
Nipissing Total	1,779	11	335	1,433	13	482	77,551
Northumberland							
Alnwick-Haldimand TP	84	0	19	65	0	24	
Brighton M	106	1	25	80	1	28	
Cobourg T	232	0	41	191	0	53	
Cramahe TP	50	0	8	42	0	11	
Hamilton TP	135	4	31	100	4	62	
Port Hope M	184	1	39	144	1	48	
Trent Hills M	76	0	11	65	0	12	
Provincial Highway	361	3	53	305	4	100	
Other Areas	234	3	45	186	3	63	
Northumberland Total	1,462	12	272	1,178	13	401	71,964
Ottawa							
Ottawa C	13,749	34	2,800	10,915	35	3,826	
Provincial Highway	1,511	6	268	1,237	6	365	
Other Areas	0	0	0	0	0	0	
Ottawa Total	15,260	40	3,068	12,152	41	4,191	491,684

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Oxford							
East Zorra-Tavistock TP	33	2	8	23	2	12	
Ingersoll T	122	0	25	97	0	34	
Norwich TP	107	4	28	75	4	48	
Tillsonburg T	151	1	37	113	1	53	
Woodstock C	407	0	76	331	0	110	
Zorra TP	163	2	30	131	2	49	
Provincial Highway	431	2	112	317	2	179	
Other Areas	234	2	49	183	2	66	
Oxford Total	1,648	13	365	1,270	13	551	85,477
Parry Sound							
Magnetawan M	3	0	0	3	0	0	
Mcdougall M	19	0	2	17	0	2	
Nipissing TP	10	0	2	8	0	2	
Parry Sound T	170	0	28	142	0	34	
Perry TP	16	0	3	13	0	3	
Powassan M	17	0	5	12	0	6	
Provincial Highway	626	4	111	511	4	156	
Other Areas	154	1	30	123	1	42	
Parry Sound Total	1,015	5	181	829	5	245	53,223
Peel							
Brampton C	6,012	10	953	5,049	11	1,345	
Caledon T	1,072	8	198	866	9	285	
Mississauga C	7,889	18	1,139	6,732	18	1,530	
Provincial Highway	3,922	4	558	3,360	5	845	
Other Areas	728	0	78	650	0	115	
Peel Total	19,623	40	2,926	16,657	43	4,120	749,758
Perth							
North Perth M	166	1	37	128	1	43	
Perth East TP	180	4	53	123	4	85	
Perth South TP	89	1	14	74	1	21	

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
St. Marys ST	60	0	9	51	0	11	
Stratford C	431	0	97	334	0	154	
West Perth M	116	2	23	91	2	35	
Provincial Highway	229	4	58	167	6	102	
Other Areas	63	0	20	43	0	29	
Perth Total	1,334	12	311	1,011	14	480	58,022
Peterborough							
Asphodel-Norwood TP	54	1	9	44	1	11	
Cavan-Monaghan TP	102	2	21	79	2	37	
Douro-Dummer TP	73	0	11	62	0	14	
Galway-Cavendish-Harvey TP	87	0	18	69	0	21	
Havelock-Belmont-Methuen TP	60	0	3	57	0	6	
North Kawartha TP	37	0	6	31	0	7	
Otonabee-South Monaghan TP	93	0	21	72	0	25	
Peterborough C	758	4	384	370	4	536	
Smith-Ennismore-Lakefield TP	218	0	48	170	0	76	
Provincial Highway	357	1	71	285	5	102	
Other Areas	43	3	4	36	3	10	
Peterborough Total	1,882	11	596	1,275	15	845	107,006
Prescott & Russell							
Alfred and Plantagenet TP	124	1	34	89	1	44	
Casselman V	39	0	7	32	0	10	
Clarence-Rockland C	221	1	38	182	1	64	
East Hawkesbury TP	41	1	16	24	1	20	
Hawkesbury T	189	1	38	150	1	52	
The Nation M	209	0	50	159	0	70	
Russell TP	113	2	29	82	2	41	
Provincial Highway	192	0	43	149	0	55	
Other Areas	143	1	22	120	2	33	
Prescott & Russell Total	1,271	7	277	987	8	389	81,807

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Prince Edward							
Provincial Highway	43	1	8	34	1	19	
Other Areas	405	4	92	309	4	115	
Prince Edward Total	448	5	100	343	5	134	23,027
Rainy River							
Atikokan T	25	1	4	20	1	7	
Fort Frances T	151	1	17	133	1	30	
Provincial Highway	295	0	26	269	0	45	
Other Areas	72	1	10	61	2	11	
Rainy River Total	543	3	57	483	4	93	22,758
Renfrew							
Admaston-Bromley TP	34	0	7	27	0	11	
Arnprior T	92	1	13	78	2	18	
Bonnechere Valley TP	2	0	0	2	0	0	
Brudenell, Lyndoch and Raglan TP	21	0	4	17	0	4	
Deep River T	13	0	1	12	0	1	
Greater Madawaska TP	4	0	1	3	0	1	
Horton TP	41	0	7	34	0	12	
Laurentian Hills T	29	1	4	24	1	4	
Laurentian Valley TP	104	1	28	75	2	39	
McNab-Braeside TP	75	0	10	65	0	11	
North Algona Wilberforce TP	31	0	5	26	0	7	
Pembroke C	222	0	46	176	0	68	
Petawawa T	117	0	33	84	0	54	
Renfrew T	227	0	40	187	0	57	
Whitewater Region TP	3	0	2	1	0	2	
Provincial Highway	518	10	108	400	12	196	
Other Areas	277	5	35	237	6	53	
Renfrew Total	1,810	18	344	1,448	23	538	94,984

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Simcoe							
Adjala-Tosorontio TP	145	2	36	107	2	47	
Barrie C	2,128	3	361	1,764	3	511	
Bradford West Gwillimbury T	364	0	57	307	0	79	
Clearview TP	346	1	71	274	1	103	
Collingwood T	286	0	46	240	0	55	
Essa TP	310	0	56	254	0	92	
Innisfil T	437	1	101	335	1	154	
Midland T	257	1	52	204	1	77	
New Tecumseth T	399	0	86	313	0	121	
Orillia C	558	2	89	467	2	139	
Oro-Medonte TP	41	0	3	38	0	5	
Penetanguishene T	77	0	13	64	0	16	
Ramara TP	87	4	24	59	5	40	
Severn TP	135	0	27	108	0	33	
Tay TP	149	1	31	117	1	38	
Tiny TP	139	1	28	110	1	34	
Wasaga Beach T	183	0	40	143	0	64	
Provincial Highway	1,936	7	361	1,568	7	591	
Other Areas	516	6	120	390	7	200	
Simcoe Total	8,493	29	1,602	6,862	31	2,399	347,146
Stormont, Dundas & Glengarry							
Cornwall C	951	2	191	758	2	266	
North Dundas TP	7	0	0	7	0	0	
North Glengarry TP	186	1	35	150	1	49	
North Stormont TP	34	0	5	29	0	6	
South Dundas TP	8	0	1	7	0	1	
South Glengarry TP	159	1	34	124	1	47	
South Stormont TP	120	1	11	108	1	16	
Provincial Highway	371	1	78	292	1	118	
Other Areas	135	0	29	106	0	43	
Stormont, Dundas & Glengarry Total	1,971	6	384	1,581	6	546	91,021

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Sudbury							
Chapleau TP	7	0	0	7	0	0	
Espanola T	41	0	6	35	0	10	
French River M	8	0	3	5	0	3	
Greater Sudbury C	2,620	2	528	2,090	2	755	
Markstay-Warren M	13	0	2	11	0	2	
Provincial Highway	666	9	209	448	11	323	
Other Areas	217	1	49	167	2	72	
Sudbury Total	3,572	12	797	2,763	15	1,165	178,944
Thunder Bay							
Greenstone M	12	0	0	12	0	0	
Manitouwadge TP	3	0	0	3	0	0	
Marathon T	16	0	1	15	0	1	
Neebing M	11	0	4	7	0	5	
Nipigon TP	9	0	0	9	0	0	
Oliver Paipoonge M	52	0	12	40	0	16	
Shuniah M	12	0	2	10	0	2	
Terrace Bay TP	6	0	0	6	0	0	
Thunder Bay C	1,953	0	419	1,534	0	585	
Provincial Highway	1,090	10	206	874	10	343	
Other Areas	155	1	30	124	1	45	
Thunder Bay Total	3,319	11	674	2,634	11	997	137,643
Timiskaming							
Englehart T	8	0	0	8	0	0	
Kirkland Lake T	102	0	22	80	0	27	
Temiskaming Shores C	92	0	18	74	0	24	
Provincial Highway	348	4	79	265	4	125	
Other Areas	128	1	24	103	1	41	
Timiskaming Total	678	5	143	530	5	217	36,782

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
Toronto							
Toronto C	47,912	45	11,200	36,667	47	15,491	
Provincial Highway	8,448	8	1,744	6,696	11	2,612	
Other Areas	0	0	0	0	0	0	
Toronto Total	56,360	53	12,944	43,363	58	18,103	1,163,967
Waterloo							
Cambridge C	2,219	3	459	1,757	3	612	
Kitchener C	3,540	4	749	2,787	4	994	
North Dumfries TP	176	0	36	140	0	47	
Waterloo C	1,905	0	374	1,531	0	490	
Wellesley TP	44	0	9	35	0	11	
Wilmot TP	204	1	50	153	1	69	
Woolwich TP	376	2	92	282	2	138	
Provincial Highway	1,204	5	229	970	5	352	
Other Areas	76	0	15	61	0	21	
Waterloo Total	9,744	15	2,013	7,716	15	2,734	334,566
Wellington							
Centre Wellington TP	339	1	52	286	1	73	
Erin T	178	2	32	144	2	58	
Guelph C	1,349	1	450	898	1	642	
Guelph/Eramosa TP	262	3	45	214	3	68	
Mapleton TP	164	2	37	125	2	61	
Minto T	111	1	26	84	1	39	
Puslinch TP	173	2	34	137	2	47	
Wellington North TP	130	1	21	108	1	28	
Provincial Highway	844	5	190	649	5	286	
Other Areas	103	0	22	81	0	33	
Wellington Total	3,653	18	909	2,726	18	1,335	151,220

Table 4.1: Place of Collision – Class of Collision, Persons Killed, Injured and Motor Vehicle Registrations, 2007 (continued)

Place of Collision	Total Collisions	Class of Collision			Persons		Motor Vehicle Registrations*
		Fatal	Personal Injury	Property Damage	Killed	Injured	
York							
Aurora T	443	0	61	382	0	75	
East Gwillimbury T	349	1	67	281	1	109	
Georgina T	391	2	85	304	2	120	
King TP	342	1	66	275	1	97	
Markham T	2,880	2	513	2,365	2	713	
Newmarket T	814	0	147	667	0	205	
Richmond Hill T	1,842	4	282	1,556	4	405	
Vaughan C	3,186	6	611	2,569	9	872	
Whitchurch Stouffville T	223	2	28	193	2	35	
Provincial Highway	2,133	4	422	1,707	4	632	
Other Areas	406	3	68	335	3	107	
York Total	13,009	25	2,350	10,634	28	3,370	648,337

* This number matches the vehicle population in Table 5.5; however, it does not include 19,544 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.

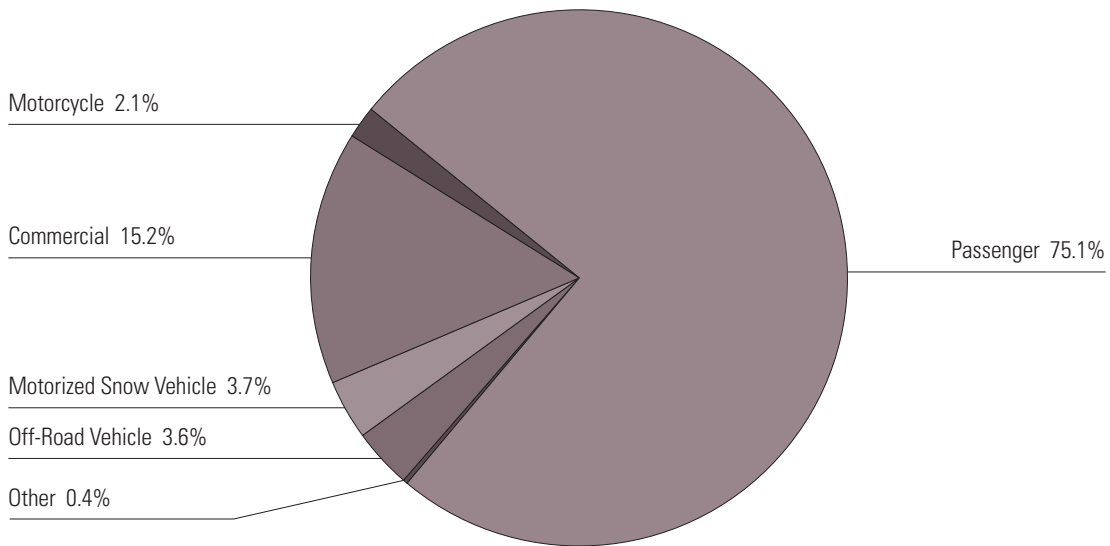
THE VEHICLE



5. THE VEHICLE

This section examines vehicles involved in motor vehicle collisions in Ontario. In 2007, passenger vehicles made up about three quarters of all vehicles involved in collisions. About 1.12 per cent of all motor vehicles involved in collisions had apparent mechanical defects.

Figure 5 Vehicle Population by Vehicle Class in Ontario, 2007



5A. VEHICLES IN COLLISIONS

Table 5.1: Vehicles Involved in Collisions by Class of Collision, 2007

Type of Vehicle	Number of Vehicles Involved in Collisions			Total
	Fatal	Personal Injury	Property Damage	
Passenger Car	673	61,874	237,373	299,920
Passenger Van	92	8,543	31,429	40,064
Motorcycle & Moped	54	1,693	907	2,654
Pick-up Truck	131	6,648	29,084	35,863
Delivery Van	20	1,008	4,312	5,340
Tow Truck	6	116	505	627
Truck	174	2,831	14,604	17,609
Bus	9	823	2,579	3,411
School Vehicle	4	195	1,256	1,455
Off-Road Vehicle	0	44	62	106
Snowmobile	3	18	44	65
Snow Plow	0	8	124	132
Emergency Vehicle	6	431	1,572	2,009
Farm Vehicle	1	64	177	242
Construction Equipment	1	32	202	235
Motor Home	0	17	100	117
Railway Train	6	12	32	50
Street Car	0	90	307	397
Bicycle	22	2,649	600	3,271
Other	0	0	2	2
Other Non-Motor Vehicle	2	146	692	840
Unknown	5	585	14,304	14,894
Total	1,209	87,827	340,267	429,303

Table 5.2: Condition of Vehicle by Class of Collision, 2007

Condition of Vehicle	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
No Apparent Defect	1,154	84,852	305,845	391,851
Service Brakes Defective	1	36	169	206
Steering Defective	0	9	34	43
Tire Puncture or Blow Out	2	24	61	87
Tire Tread Insufficient	0	6	29	35
Headlamps Defective	0	3	14	17
Other Lamps or Reflectors Defective	0	3	12	15
Engine Controls Defective	0	3	13	16
Wheels or Suspension Defective	0	9	28	37
Vision Obscured	1	13	29	43
Trailer Hitch Defective	0	3	6	9
Other Defects	12	440	3,850	4,302
Unknown	39	2,426	30,177	32,642
Total	1,209	87,827	340,267	429,303

Table 5.3: Model Year of Vehicle by Class of Collision, 2007

Model Year of Vehicle	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
2008	8	681	2,773	3,462
2007	78	5,225	22,366	27,669
2006	88	6,314	26,463	32,865
2005	90	6,430	26,306	32,826
2004	72	5,803	23,442	29,317
2003	83	6,856	27,017	33,956
2002	102	6,600	25,681	32,383
2001	82	5,792	22,521	28,395
2000	75	6,393	24,380	30,848
1999	90	5,158	19,407	24,655
1998 and earlier	406	27,771	96,754	124,931
Unknown	35	4,804	23,157	27,996
Total	1,209	87,827	340,267	429,303

Table 5.4: Insurance Status of Vehicle by Class of Collision, 2007

Insurance	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Insured	1,153	82,542	318,468	402,163
Not Insured	29	583	1,311	1,923
Unknown	27	4,702	20,488	25,217
Total	1,209	87,827	340,267	429,303

5B. PUTTING THE VEHICLE IN CONTEXT**Table 5.5: Vehicle Population by Type of Vehicle, 2007**

Vehicle Class	Vehicle Population
Passenger	6,339,389
Motorcycle	173,314
Moped	1,886
Commercial*	1,225,625
Bus	23,017
School Bus	8,726
Motorized Snow Vehicle	310,798
Off-Road Vehicle	299,849
Road Building Machinery	489
Permanent Apparatus	2,874
Farm Trucks	58,505
Total	8,444,472

* Excludes vehicles registered under the PRORATE-P program (62,928 vehicles)

Table 5.6: Selected Types of Vehicles by Model Year, 2007

Vehicle Class	Model Years										Total	
	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999		1998 and earlier
Passenger	135,418	492,875	483,863	485,964	416,586	513,199	500,065	430,934	468,920	369,967	2,041,598	6,339,389
Motorcycle	1,273	12,526	14,962	13,464	11,985	14,670	11,375	10,457	9,704	6,560	66,338	173,314
Moped	0	9	96	385	103	50	89	311	98	49	696	1,886
Commercial*	24,423	93,029	87,864	85,856	84,080	91,331	77,584	73,011	86,390	76,210	507,715	1,287,493
Bus	721	1,778	2,913	2,295	2,822	2,203	1,917	2,230	2,619	2,300	9,945	31,743
Motorized Snow Vehicle	3,411	7,268	8,870	8,352	8,773	9,126	10,248	7,157	9,769	10,295	227,529	310,798
Off-Road Vehicle	2,242	19,587	21,774	22,896	24,845	20,237	16,153	18,685	15,278	10,514	127,638	299,849
Total	167,488	627,072	620,342	619,212	549,194	650,816	617,431	542,785	592,778	475,895	2,981,459	8,444,472

* Excludes vehicles registered under the PRORATE-P program (62,928 vehicles)

Table 5.7: Vehicle Damage Level by Class of Collision, 2007

Damage	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
None	68	8,307	20,906	29,281
Light	117	22,932	143,969	167,018
Moderate	116	22,680	100,205	123,001
Severe	205	19,317	31,756	51,278
Demolished	656	9,822	6,375	16,853
Unknown	47	4,769	37,056	41,872
Total	1,209	87,827	340,267	429,303

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.

6A. MOTORCYCLES

Table 6.1: Motorcyclists* Killed and Injured, 1998–2007

Year	Drivers		Passengers	
	Killed	Injured	Killed	Injured
1998	32	1,068	3	263
1999	38	1,115	3	223
2000	37	1,161	1	257
2001	49	1,166	3	318
2002	35	1,161	3	311
2003	46	1,087	6	268
2004	44	1,107	3	297
2005	68	1,206	6	362
2006	48	1,219	5	352
2007	48	1,274	4	399

* Excludes hangers on, moped drivers and passengers.

Table 6.2: Selected Factors Relevant to Fatal Motorcycle Collisions, 2007

Factors (not mutually exclusive)	%
Unlicensed Motorcycle Drivers	4.2
Under 25 Years Old	16.7
Alcohol Used	
Ability Impaired Alcohol > .08	16.7
Had Been Drinking	8.3
Unknown	0.0
Helmet Not Worn (Fatalities)	6.4
Motorcycle Driver Error	
Speed Too Fast/Lost Control	52.1
Other Error	20.8
Single Vehicle Collisions	35.4
Day/Night	77/23
Weekend	43.7

6B. SCHOOL VEHICLES**Table 6.3: Pupils Transported Daily, Total Number of School Vehicles Involved in Collisions – School Years 2002/2003 – 2006/2007**

School Year	Pupils Transported Daily	Number of School Vehicles in Collisions
2002/2003	721,680	1,283
2003/2004	685,325	1,239
2004/2005*	N/A	1,186
2005/2006	847,205	1,101
2006/2007	838,326	1,186

* Data from Ministry of Education not available

Table 6.4: School Vehicle Type by Nature of Collision, 2006/2007

School Vehicle Type	Nature of Collision				Total Number of Collisions	Five Year Total (2002/2003 – 2006/2007)
	Fatal	Pupil Injury	Non-Pupil Injury	Property Damage		
School Bus	5	72	86	949	1,112	5,473
School Van	0	2	8	31	41	227
Other School Vehicles	0	1	4	28	33	295
Total	5	75	98	1,008	1,186	5,995

Table 6.5: Pupil Injury by Collision Event and Vehicle Type, 2006/2007 (Number of Persons)

School Vehicle Type	Collision Event						Total		Five Year Total (2002/2003 – 2006/2007)	
	Crossing Road		Within School Vehicle		Other					
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
School Bus	1	2	1	135	0	5	2	142	2	618
School Van	0	1	0	1	0	0	0	2	0	18
Other School Vehicles	0	0	0	0	0	0	0	0	0	8
Total	1	3	1	136	0	5	2	144	2	644

6C. LARGE TRUCKS**Table 6.6: Number of Persons Killed in Collisions Involving Large Trucks, 2003–2007**

Year	Persons Killed in Truck Collisions			
	Where Truck Driver Not Driving Properly	% Where Truck Driver Not Driving Properly	All Truck Collisions	% of Total Deaths
2003	51	32.9	155	18.7
2004	55	34.8	158	19.8
2005	34	27.2	125	16.3
2006	47	32.9	143	18.6
2007	56	32.9	170	22.2
Total	243	32.1	751	18.3

Table 6.7: Number of Large Trucks in All Classes of Collisions, 2007

Truck Types	Class of Collision			Total
	Fatal	Personal Injury	Property Damage	
Straight Truck	55	1,277	7,476	8,808
Straight Truck & Trailer	5	142	599	746
Tractor Only	21	570	3,704	4,295
Tractor & Semi-Trailer	89	874	4,416	5,379
"A-C" Train Double	2	13	94	109
"B" Train Double	4	28	122	154
Other/Unknown	9	135	906	1,145
Total	185	3,039	17,317	20,636

Table 6.8: Registered Trucks, 2007

Driver Licence Required	Registered Trucks
G	1,091,868
D	70,501
A*	188,052**
Total	1,350,421

* Tractor/trailer combination only.

** Includes vehicles registered under the PRORATE-P program (62,928 vehicles).

Table 6.9: Selected Factors Relevant to Fatal Large Truck Collisions, 2007

Factors in Fatal Collisions	%
Drivers	
Alcohol Involved	2
Driving Properly	73
Collisions	
Single Vehicle	19
Weather Condition – Clear	76
Daylight	68
Vehicles	
Vehicle Defect Present *	1

* Excludes unknown category

6D. OFF-ROAD VEHICLES

Table 6.10: Collision Location by Off-Road Vehicle* Drivers Killed and Injured, 2003–2007

Location	Killed					Injured				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
On-Highway	6	7	9	11	16	93	122	114	131	141
Off-Highway	3	7	11	8	8	101	100	109	119	117
Total	9	14	20	19	24	194	222	223	250	258

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

Table 6.11a: Collision Location by Off-Road Vehicle* Passengers Killed and Injured, 2003–2007

Location	Killed					Injured				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
On-Highway	0	0	0	0	1	62	64	51	91	89
Off-Highway	0	2	0	0	3	55	63	51	54	54
Total	0	2	0	0	4	117	127	102	145	143

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

Table 6.11b: Collision Location by Off-Road Vehicle* Pedestrians Killed and Injured, 2003–2007

Location	Killed					Injured				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
On-Highway	0	0	0	0	0	5	3	8	5	1
Off-Highway	0	1	0	0	0	2	6	2	6	3
Total	0	1	0	0	0	7	9	10	11	4

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

Table 6.12: Registered Off-Road Vehicles, 2003–2007

Year	Vehicles Registered
2003	211,073
2004	232,200
2005	254,653
2006	276,800
2007	299,849

Table 6.13: Selected Factors Relevant to All Off-Road Vehicle Collisions, 2007

Factors	%
Drivers Under 25 Years of Age	38
Alcohol Used	26
Speeding	17
Helmet Not Worn	32
Daytime	82
Two-Wheeled	14
Three-Wheeled	6
Four-Wheeled	80

6E. MOTORIZED SNOW VEHICLES

Table 6.14: Drivers of Motorized Snow Vehicles* Killed and Injured by Collision Location – Riding Seasons 2002/2003 – 2006/2007

Location	Killed					Injured				
	02/03	03/04	04/05	05/06	06/07	02/03	03/04	04/05	05/06	06/07
On-Highway	4	4	7	6	4	73	50	55	48	46
Off-Highway	26	24	16	22	10	161	131	178	119	100
Total	30	28	23	28	14	234	181	233	167	146

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

Table 6.15a: Passengers of Motorized Snow Vehicles* Killed and Injured by Collision Location – Riding Seasons 2002/2003 – 2006/2007

Location	Killed					Injured				
	02/03	03/04	04/05	05/06	06/07	02/03	03/04	04/05	05/06	06/07
On-Highway	0	0	0	0	0	36	28	33	27	12
Off-Highway	2	1	0	2	1	79	59	79	61	42
Total	2	1	0	2	1	115	87	112	88	54

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

Table 6.15b: Pedestrians Killed and Injured Relating to Motorized Snow Vehicles* by Collision Location – Riding Seasons 2002/2003 – 2006/2007

Location	Killed					Injured				
	02/03	03/04	04/05	05/06	06/07	02/03	03/04	04/05	05/06	06/07
On-Highway	0	0	0	0	0	8	4	0	2	1
Off-Highway	2	1	2	0	2	4	7	8	7	1
Total	2	1	2	0	2	12	11	8	9	2

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

Table 6.16: Registered Motorized Snow Vehicles, 2003–2007

Year	Registered Motorized Snow Vehicles
2003	331,704
2004	321,445
2005	317,254
2006	306,479
2007	310,798

Table 6.17: Selected Factors Relevant to All Motorized Snow Vehicle Collisions, 2006/2007

Factors	%
Unlicensed Operators	3
Rider Error; Speed too Fast	37
Alcohol Used	23
Surface Condition; Icy or Packed Snow	66

6F. BICYCLES

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

Table 6.18: Bicyclists* Killed and Injured, 2003–2007

Year	Drivers		Passengers	
	Killed	Injured	Killed	Injured
2003	13	2,398	0	243
2004	19	2,526	0	288
2005	21	2,449	0	361
2006	32	2,091	0	401
2007	19	2,126	1	394

* Includes hangers on

Table 6.19: Age of Bicyclists Involved in Collisions by Light Condition, 2007

Light Condition	Age Groups					UK*	Total
	0–5	6–15	16–30	31–60	61+		
Daylight	1	41	227	273	58	2,040	2,640
Dawn	0	0	3	10	0	26	39
Dusk	0	4	6	12	1	95	118
Dark	0	1	40	47	4	374	466
Other	0	0	0	1	0	2	3
Unknown	0	0	0	0	0	1	1
Total	1	46	276	343	63	2,538	3,267

* UK = Unknown

Table 6.20: Selected Factors Relevant to All Bicycle Collisions, 2007

Factors	%
Driving Properly (Bicyclist)	44
Driving Properly (Motor Vehicle Driver)	52
Intersection Related	68
Going Ahead (Bicyclist)	86
Alcohol Related (Bicyclist)	3
No Apparent Vehicle Defect (Bicycle)	97
Clear Visibility	92
Weekend	19

CONVICTION, OFFENCE AND SUSPENSION DATA

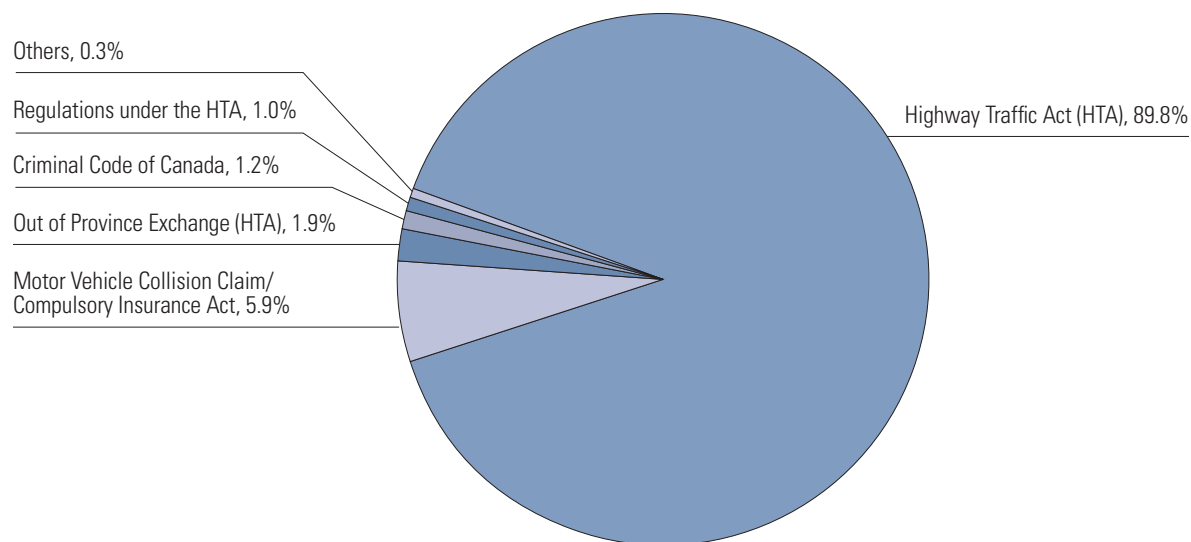


7. CONVICTION, OFFENCE AND SUSPENSION DATA

This section presents conviction, offence and suspension data related to motor vehicle use in Ontario. Convictions are summarized by legislation and conviction type. A record of the total number of Administrative Driver Licence Suspensions (immediate 90-day suspensions for failing or refusing a roadside breath test) issued since 1996 is also presented in Table 7.4.

In 2007, nearly 90 per cent of motor vehicle convictions were related to Highway Traffic Act (HTA) offences and less than 1.2 per cent were related to the Criminal Code of Canada (e.g., drinking and driving, dangerous driving, fail to remain).

Figure 7 Motor Vehicle Convictions in Ontario by Type, 2007



7A. CONVICTION DATA

Table 7.1: Summary of Motor Vehicle Related Convictions, 2007

Convictions*	Number
Highway Traffic Act (HTA)	1,305,599
Regulations under the HTA	14,235
Criminal Code of Canada**	16,938
Municipal By-Law***	1
Motor Vehicle Collision Claim/Compulsory Insurance Act	85,738
Motorized Snow Vehicles Act	1,639
Off-Road Vehicles Act	1,744
Out of Province Exchange (HTA)	27,928
Others****	392
Total	1,454,214

* Includes manually recorded convictions.

** This figure does not include 709 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.

Table 7.2: Motor Vehicle Convictions Related to the Highway Traffic Act, 2007

Convictions	Number
Equipment	25,155
Administrative*	174,716
Seat Belt (Driver & Passenger)**	65,415
Other Non-Pointable Convictions ***	70,684
Speeding	813,026
Other Pointable Convictions (2–4 pts)	133,361
Other Pointable Convictions (5–7 pts)	10,921
Driving While Suspended	12,321
Total	1,305,599

* 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, 2007*

Convictions	Number
Alcohol Related**	12,723
Criminal Negligence	20
Fail to Remain at Collision	539
Fail to Stop for Police Officer	471
Driving While Disqualified	1,862
Dangerous Driving	1,321
Motor Manslaughter	2
Total	16,938

* Does not include 709 convictions for young offenders.

** Includes some out-of-province convictions.

7B. OFFENCE DATA

Table 7.4: Number of Convicted Drivers* with Criminal Code of Canada Offences, 1998–2007

Conviction Type	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Criminal Negligence	34	0	20	31	26	22	13	18	12	7
Fail to Remain	437	608	656	626	624	579	562	493	469	299
Dangerous Driving	1,150	1,060	1,073	1,161	1,107	1,161	1,111	1,239	1,184	640
Impaired Driving	9,532	9,102	9,264	8,878	8,200	7,329	6,626	6,424	5,995	3,829
Blood/Alcohol over .08	7,366	7,149	7,169	7,205	6,488	5,646	5,314	5,096	4,419	2,862
Fail to Provide Breath Sample	1,269	1,361	1,313	1,372	1,227	1,156	1,049	974	888	462
Driving While Disqualified	2,339	2,035	2,005	1,825	1,783	1,809	1,794	1,776	1,723	1,163
Motor Manslaughter	0	0	0	0	0	0	0	1	0	2
Undefined	0	0	0	214	423	476	422	436	479	321
Total	22,127	21,315	21,500	21,312	19,878	18,178	16,891	16,457	15,169	9,585

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

As of May 30, 2008, there were 9,585 Criminal Code offences recorded for 2007. The 2007 breakdown will be updated in the 2008 annual report to accommodate the lag time in the recording of offences (offences are only recorded upon conviction).

Table 7.5: Administrative Driver Licence Suspensions, Monthly Suspensions Issued, 1998–2007*

Suspensions	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
January	1,337	1,352	1,550	1,500	1,416	1,349	1,203	1,330	1,228	1,210
February	1,471	1,567	1,487	1,450	1,452	1,391	1,501	1,330	1,197	1,206
March	1,608	1,664	1,662	1,874	1,683	1,566	1,400	1,424	1,317	1,410
April	1,681	1,592	1,799	1,816	1,574	1,412	1,494	1,393	1,340	1,375
May	1,801	1,763	1,634	1,752	1,756	1,578	1,528	1,468	1,247	1,430
June	1,665	1,531	1,646	1,768	1,811	1,608	1,391	1,366	1,307	1,456
July	1,665	1,720	1,854	1,795	1,712	1,589	1,483	1,531	1,452	1,480
August	1,750	1,660	1,808	1,699	1,675	1,639	1,476	1,317	1,399	1,455
September	1,609	1,570	1,699	1,837	1,720	1,498	1,385	1,386	1,396	1,517
October	1,663	1,839	1,724	1,691	1,671	1,568	1,555	1,450	1,487	1,444
November	1,617	1,686	1,624	1,790	1,668	1,591	1,377	1,315	1,412	1,392
December	1,810	1,760	1,879	1,986	1,792	1,578	1,468	1,645	1,709	1,533
Total	19,677	19,704	20,366	20,958	19,930	18,367	17,261	16,955	16,491	16,908

* Administrative Driver Licence Suspension (ADLS) began on November 29, 1996

See Appendix for a more detailed explanation of ADLS.

7C. SUSPENSION DATA

Table 7.6: Demerit Point Suspensions by Driver Age, 2007

Driver Age	Demerit Point Suspensions				
	Probationary	Novice First Accumulation	Novice Second Accumulation	Regular First Accumulation	Regular Second Accumulation
16	0	1	0	0	0
17	0	26	0	0	0
18	0	180	5	3	0
19	0	354	11	23	0
20–24	0	1,338	127	311	31
25–34	0	623	89	555	54
35–44	0	157	14	270	22
45–54	0	67	9	127	8
55–64	0	21	2	45	7
65–74	0	2	0	15	0
75 +	0	1	0	3	0
Total	0	2,770	257	1,352	122

8. APPENDIX

8A. GLOSSARY

Ability Impaired – Alcohol:

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

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 both drivers reported as ability impaired by alcohol and drivers reported as "had been drinking".

Class G1 Driver's Licence:

A holder of a Class G1 driver's licence:

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

Level One lasts 12 months, but that time can be reduced to eight months by completing an approved driver education course. For information about approved courses, call ServiceOntario at 1-800-268-4686. At the end of the level, drivers must pass a road test before proceeding to Level Two.

Class G2 Driver's Licence:

A holder of a Class G2 driver's licence:

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

- during the first 6 months on G2, a driver under the age of 20 driving between midnight and 5 a.m. must restrict the number of teenage passengers to one when driving without an accompanied full “G” driver; after 6 months of driving at the G2 level, the number of teenage passengers can’t exceed three (since 2005).

Level Two lasts 12 months. After completing this level, 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:

- is allowed to 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);
- is only allowed to drive on roads with speed limits of 80 km/h or less, except where there is no other route to take; Class M1 Motorcycle Driver’s Licence holders may drive on highways 11, 17, 61, 69, 71, 101, 102, 144, and 655; and
- may not carry passengers.

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

Class M2 Motorcycle Driver’s Licence:

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

- must have a zero blood alcohol concentration while driving.

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

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.

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. Blood alcohol concentration between .05 and .08 results in a 12-hour automatic driver licence 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, e.g., riding in back of 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.

HTA Reportable Collision:

A motor vehicle collision occurring on a public road that involves at least one motor vehicle in motion.

Kilometres Travelled:

Prior to 2000, vehicle fleet mileage was estimated on the basis of taxed gasoline and motor fuel sales. Total litres sold were converted to kilometres travelled based on a conversion factor of 22.0 kilometres per gallon. 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 than 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:

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

On-Highway Collisions:

A motor vehicle collision which occurs on the highway between the property lines.

Pedestrian:

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

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.

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 rose from \$200 to \$400 on January 1, 1978 and rose again to \$700 on January 1, 1985. As of January 1, 1998, the minimum reportable level for property damage only collision is \$1,000.

8B. ACKNOWLEDGEMENTS

The Ministry of Transportation would like to acknowledge the following for their assistance:

Police Officers of Ontario

Ministry of Community Safety and Correctional Services

Office of the Chief Coroner

Traffic Injury Research Foundation (TIRF)

Ministry of the Attorney General

Management Information Office

Ministry of Health and Long-Term Care

Health Solutions Delivery Branch

Knowledge Management Branch

Ministry of Finance

Ministry of Education

Cover photos:

Highway 406, St. Catharines Ontario

Hani Farghaly

Design & Contract Standards Office

Ministry of Transportation

Robin Drew, Enforcement Supervisor

Alf Brown

Carrier Enforcement Program Office

Ministry of Transportation

Highway 401 at Exit 222

Laurie Esseltine

Planning & Design Engineering Office

Ministry of Transportation


Police Vehicle

Novice Driver

Garry Williamson

Road Safety Marketing Office

Ministry of Transportation



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ISSN #0832-8269 (Printed version)
ISSN #1710-2499 (CD-ROM Version)
ISSN #1710-2480 (Internet Version)



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