

Santé publique Ohtariò

PARTENAIRES POUR LA SANTÉ

VULNERABLE ROAD USERS

PARTNERS FOR HEALTH

Rates of injury and death due to road traffic collisions have declined in Canada¹ and Ontario² over the past four decades.

	Injury*	Death*
1964	202.5	5.3
2010	69.8	0.6

In 2010, 579 Ontarians died due to road traffic collisions.2

Pedestrians and bicyclists are at high risk of road traffic injury and death.

While the rate of emergency department visits for road traffic injury in Ontario has decreased overall, this is not the case for pedestrians and bicyclists.3

Number of emergency department visits in 2012:

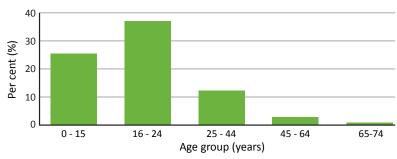




YOUNG DRIVERS

Road traffic collisions are the leading cause of injury-related death among 16-24 year olds in Ontario, accounting for 37.0% of preventable deaths.

Road traffic deaths as a proportion of all deaths from preventable causes by age group, Ontario, 2000-20094



road traffic deaths in 2010 were among those aged 16-24,2 which is higher than would be expected given the proportion of licensed drivers in this age group.

Young males have an increased risk of road traffic injury and death which may be due in part to a higher prevalence of risk-taking behaviour.5-7

THE JOURNEY AHEAD

Road safety is one of the greatest public health achievements of the 20th century.8 Continued effort to identify and address the factors that contribute to collisions is important to improving safety for all road users.

From 1971 to 2009, the rates of road traffic collisions and deaths declined in Ontario. During this time period. key road safety legislation^{1,2} and public health measures⁹⁻¹² were introduced.



- 1971: Seatbelts required in all new vehicles in Canada¹
- **1976:** Ontario first in North America to pass seatbelt law^{13,14}
- **1985:** Tougher penalties for impaired driving in Canada^{1,15}
- 1989: Public health mandate revised to support road safety among adolescents9
- **1990:** Daytime running lights required in all new vehicles ^{1,16}
- 1994: Graduated licensing program introduced^{2,17}
- 1997: Public health mandate revised to support crash reduction¹⁰
- **2002:** Chief Medical Officer of Health report calls for measures to reduce road traffic injury and death¹¹
- **2007:** Increased sanctions for street racing and aggressive driving^{2,18} New sanctions for drivers with blood alcohol concentrations (BAC) between 0.05 and 0.0818
- **2008:** Increased sentences for impaired driving in Canada^{1,19} New Ontario Public Health Standards address road safety¹²
- 2009: New and young drivers must maintain a zero blood alcohol concentration (BAC)^{2,20}

Hand-held cell phone use while driving banned^{1,2,21,22} Electronic speed limiters required in most large trucks to cap speed at 105 kph^{2,23}

CONTINUED THREATS TO ROAD SAFETY



Distracted



wearing seatbelts

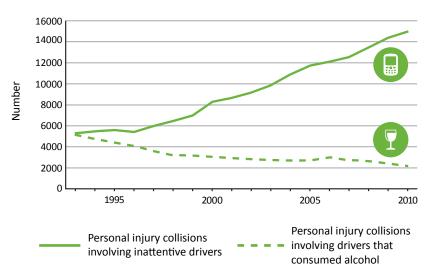


DISTRACTED DRIVING

Distracted or inattentive driving occurs when a driver voluntarily diverts attention to a task other than driving, 24,25 e.g., eating or talking on a phone. Distracted driving increases the risk of road traffic collision.24-26

Cell phone use, whether hand-held or hands-free, is a common driver distraction associated with an increased risk of road traffic collision.²⁴⁻²⁶

Number of road traffic collisions resulting in personal injury* in which drivers consumed alcohol or were inattentive[†], Ontario, 1993-2010²⁷



*Personal injury includes major (required hospitalization), minor (required treatment in an emergency department), and minimal (required no formal treatment) injuries.²⁷

†Inattentive: 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.²⁷

The proportion of Ontarians that have reported using a cell phone while driving has increased in Ontario²⁸

2003 = 41.6%2009/2010 = 48.8%

4. Data Source: Ontarior Montality Data, 2003-2009, Ontarior Ministry of Health and Long-Term Care, IntelliHEALTH Ontario, Date Extracted: 2012 Dec 1. 5. Shope JT, Bingham CR. Teen driving: motor-vehicle crashes and factors that contribute. Am J Prev Med. 2008;35(S)S261-71. 6. Bymes P, Miller DC, Schafer WD. Gender differences in risk taking: a meta-analysis. Psychol Bull. 1999;125(3):367-33. 7. Granie MA. Effects of gender, see 47-1277-83. 8. Centers for Disease Control and Prevention. Achievements in public health 1900-1999 motor-vehicle safety: a 20th century public health achievement MMWR 1999-48(18):369-74. Available from: http://www.cdc.gov/mmw/pr /mm4818a1 htm 9. Ontario, Ministry of Health, Mandatory health programs and services guidelines. Tomoto, ON-Queen's Printer for Ontario, 1989, 10. Ontario, Ministry of Health, Public Health, Branch, Mandatory health programs and services. Ontario: 1997. 11, D'Cunha CO. Initury, predictable and preventable. 2002 Chief Medical Officer of Health report, Toronto, ON: Queen's Printer for Ontario: 2003. Available from: http://www.nb.asvy.on.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario: 2008. Available from: http://www.nb.asvy.on.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario: 2008. Available from: http://www.nb.asty.or.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario: 2008. Available from: http://www.nb.asty.or.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario: 2008. Available from: http://www.nb.asty.or.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario: 2008. Available from: http://www.nb.asty.or.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. Ministry of Health and Lone-Term Care. Ontario public health standards 2008. Toronto, ON: Queen's Printer for Ontario. 2008. Available from: http://www.nb.asty.or.ca/en/orevention/CMOH-2002/iniurv.pdf 12. Ontario. 2008. Available from: http://www.nb. 613/76. 14. Ontario. Ministry of Transportation. Ontario asafety annual report 2006. Transport 2006. Transport 2006. Transport 2006. Transport 2006. Transport 2006. Transport c.13. Available from: http://www-elaws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused, sentencing and other amendments I.S.C. 2008. c.18. Available from: http://www-laws.gov.on.ca/Downlead/elaws. src 97/013. e.doc. 19. An Act to amend the Criminal procedure, language of the accused and the http://www.e-laws.gov.on.ca/html/source/regs/english/2009/elaws src signs of 30366 e.htm 23. Equipment. O. Reg. 587/09. Available from: http://www.e-laws.gov.on.ca/html/source/statutes/english/elaws regs 900587 ev004.htm 24. Mayhew D. Robertson R. Brown S. Vanlaar W. Driving distraction and hands-free testing while driving and Promoting Green Transportation Act. So. 2009. c. 4. Available from: http://www.e-laws.gov.on.ca/html/source/statutes/english/elaws regs 900587 ev004.htm 24. Mayhew D. Robertson R. Brown S. Vanlaar W. Driving distraction and hands-free testing while driving and Promoting Green Transportation Act. So. 2009. c. 4. Available from: http://www.e-laws.gov.on.ca/html/source/statutes/english/elaws regs 900587 ev004.htm 24. Mayhew D. Robertson R. Brown S. Vanlaar W. Driving distraction and hands-free testing while driving and Promoting Green Transportation Act. So. 2009. c. 4. Available from: http://www.e-laws.gov.on.ca/html/source/statutes/english/elaws regs 900587 ev004.htm 24. Mayhew D. Robertson R. Brown S. Vanlaar W. Driving distraction and hands-free testing while driving and Promoting Green Transportation Act. So. 2009. c. 4. Available from: http://www.e-laws.gov.on.ca/html/source/statutes/english/elaws regs 900587 ev004.htm 24. Mayhew D. Robertson R. Brown S. Vanlaar W. Driving distraction and hands-free testing while driving and hands-f Ottawa, ON Traffic injury Research Foundation; 2013. Available from: http://www.urh.com/violence injury prevention/publications/Foad traffic/distracted driving en.pdf 26. Ishigami y, Weiri R. Is a hands-free phone safer than a handheld phone y 15 afety Res. 2009.40:157-64. 27. Ontario, Ministry of Transportation. Ordario Road Safety Annual Reports. 1993 – 2010 Tinternet I. Toronto, ON Queen's Publisher for Ontario: e2009, Available from: http://www.mto.egv.on.ca/enelis/safety/orsar/ 28. Data Source: Canadian Community Health Survey 2003. 2009/2010. Statistics Canada. Ontario Share File. Distributed by Ontario Ministry of Health and Lone-Term Ca



^{*}Rate per 10,000 licensed drivers of road traffic injury and death in Ontario.