



Transport
Canada

Transports
Canada

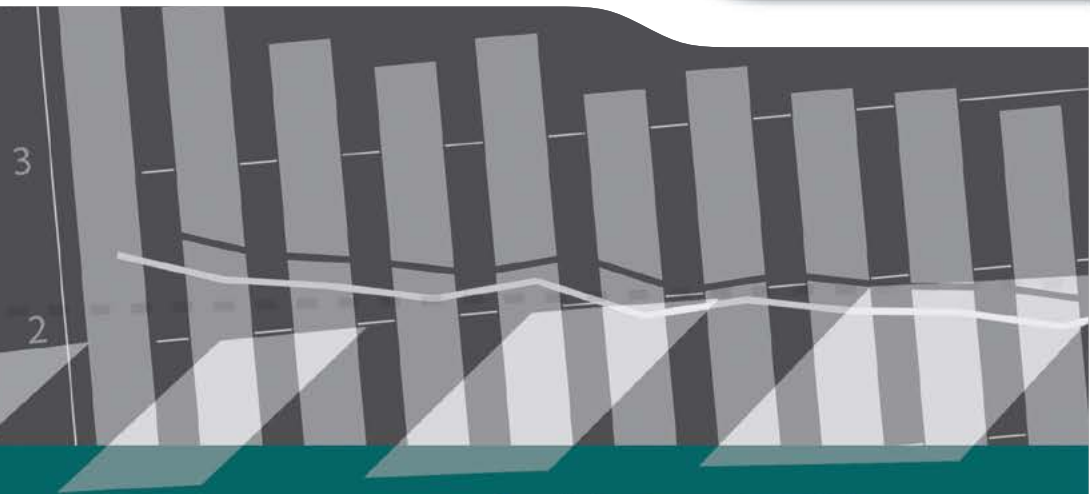


Canadian Motor Vehicle Traffic

Collision Statistics

2011

Collected in cooperation with the Canadian Council
of Motor Transport Administrators



© Her Majesty the Queen in Right of Canada, represented by the Minister of Transport, 2013.

Cette publication est aussi disponible en français sous le titre Statistiques sur les collisions de la route au Canada 2011.

Catalogue No.: T45-3/2011E-PDF

ISBN: 1701-6223

Permission to reproduce

Transport Canada grants permission to copy and/or reproduce the contents of this publication for personal and public non-commercial use. Users must reproduce the materials accurately, identify Transport Canada as the source and not present theirs as an official version, or as having been produced with the help or the endorsement of Transport Canada.

To request permission to reproduce materials from this publication for commercial purposes, contact:

Publishing and Depository Services
Public Works and Government Services Canada
Ottawa, ON K1A 0S5
droitdauteur.copyright@tpsgc-pwgsc.gc.ca

To find out more about national road safety programs or initiatives, call Transport Canada toll free at 1-800-333-0371 or e-mail us at mvs-sa@tc.gc.ca. You can also visit our web site at www.tc.gc.ca/motorvehiclesafety or the Canadian Council of Motor Transport Administrators' web site at www.ccmata.ca.

More detailed motor vehicle collision data can be queried using the National Collision Database (NCDB) On-Line tool located at www.tc.gc.ca/VehicleCollisions.

INTRODUCTION

The federal, provincial and territorial governments in Canada work to improve road safety to reduce the number of fatalities and serious injuries and to have the safest roads in the world. The year 2011 saw much fewer motor vehicle casualty collisions in Canada, as evidenced by the continued downward trend in fatalities and serious injuries. In fact, they were the lowest since the data was first collected by Transport Canada in the early 1970's.

- In 2011, the number of motor vehicle fatalities was 2,006; down significantly (10.3%) from 2,237 in 2010.
- The downward trend for serious injuries continued as well, dropping to 10,443 in 2011; down 10.3% from 2010 (11,645).
- The rate for the number of fatalities per 100,000 population was 5.8 in 2011, down from 6.5 in 2010.
- 2011 marked the first year that the fatality rate per 10,000 registered vehicles (of 0.90) fell below 1.0.

Transport Canada's National Collision Database (NCDB), the source for the data in this document, contains data on all reportable motor vehicle collisions in Canada that the provinces and territories provide each year.

2011

COLLISIONS AND CASUALTIES 1992-2011

YEAR	COLLISIONS		VICTIMS		
	FATAL ¹	PERSONAL INJURY ²	FATALITIES ³	SERIOUS INJURIES ⁴	INJURIES ⁵ (TOTAL)
1992	3,073	169,640	3,501	25,521	249,823
1993	3,121	168,106	3,615	23,902	247,593
1994	2,837	164,642	3,230	21,564 ^r	241,899
1995	2,817	161,950	3,313	20,188 ^r	238,458
1996	2,740	153,944	3,129	18,734	227,283
1997	2,660	147,549	3,076	17,294	217,401
1998	2,583	145,615	2,919	16,197	213,319
1999	2,632	148,683	2,980	16,187	218,457
2000	2,547	153,300	2,903	15,581 ^r	222,840 ^r
2001*	2,413	148,996	2,756	15,283 ^r	216,463 ^r
2002	2,583	153,859	2,921	15,906 ^r	222,681 ^r
2003	2,487 ^r	150,503 ^r	2,777	15,120 ^r	216,147 ^r
2004	2,436	145,161 ^r	2,731	15,585 ^r	206,125 ^r
2005	2,550 ^r	145,572 ^r	2,898	15,812 ^r	204,725 ^r
2006	2,587 ^r	142,521 ^r	2,872 ^r	15,882 ^r	199,984 ^r
2007	2,462	138,612	2,753 ^r	14,235	192,744
2008	2,192 ^r	127,678 ^r	2,436 ^r	12,722	176,527 ^r
2009	2,011 ^r	123,516	2,223 ^r	11,831 ^r	170,877 ^r
2010	2,026 ^r	123,141	2,237 ^r	11,645 ^r	170,629
2011	1,834	121,159	2,006	10,443	166,725

1. "Fatal collisions" include all reported motor vehicle crashes that resulted in at least one death, where death occurred within 30 days of the collision, except in Quebec before 2007 (eight days).
2. Personal injury collisions" include all reported motor vehicle crashes which resulted in at least one injury but not death within 30 days of the collision, except in Quebec before 2007 (eight days).
3. "Fatalities" include all those who died as a result of a reported traffic collision within 30 days of its occurrence, except in Quebec before 2007 (eight days).
4. "Serious Injuries" include persons admitted to hospital for treatment or observation. Serious injuries were estimated from 1992 to 2011 because several jurisdictions under-reported these numbers.
5. "Total Injuries" include all reported severities of injuries ranging from minimal to serious.

* Data for Nunavut are not reported for 2001, except for fatalities.

^r Revised.

FATALITIES AND INJURIES BY AGE GROUP 2011

AGE GROUP (YRS)	FATALITIES	SERIOUS INJURIES	INJURIES (TOTAL)
0-4	16	81	2,116
5-14	47	362	7,021
15-19	204	1,218	18,295
20-24	252	1,331	21,042
25-34	312	1,759	30,463
35-44	228	1,505	25,473
45-54	283	1,643	25,698
55-64	231	1,150	16,803
65 +	417	1,142	14,372
NOT STATED	16	252	5,442
TOTAL	2,006	10,443	166,725

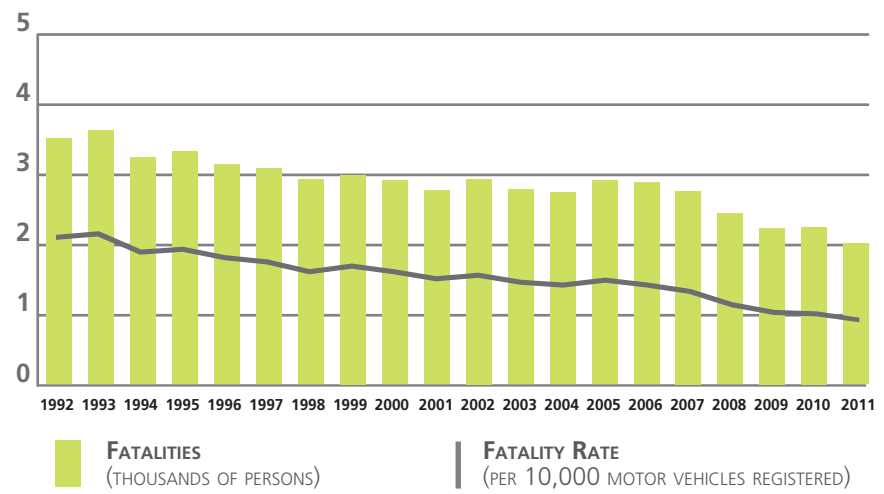
FATALITIES BY ROAD USER CLASS 2007-2011

ROAD USER CLASS		2007	2008	2009	2010	2011
DRIVERS	#	1,415 ^r	1,306 ^r	1,159 ^r	1,132 ^r	1,033
	%	51.4 ^r	53.6 ^r	52.1 ^r	50.6 ^r	51.5
PASSENGERS	#	613 ^r	501 ^r	446 ^r	491 ^r	387
	%	22.3 ^r	20.6 ^r	20.1 ^r	21.9 ^r	19.3
PEDESTRIANS	#	379 ^r	308 ^r	316 ^r	305 ^r	315
	%	13.8 ^r	12.6 ^r	14.2	13.6 ^r	15.7
BICYCLISTS	#	67 ^r	44 ^r	45 ^r	62 ^r	52
	%	2.4	1.8	2.0	2.8 ^r	2.6
MOTORCYCLISTS*	#	226 ^r	224 ^r	199 ^r	192 ^r	168
	%	8.2 ^r	9.2 ^r	9.0 ^r	8.6 ^r	8.4
NOT STATED/OTHER	#	53 ^r	53	58 ^r	55 ^r	51
	%	1.9 ^r	2.2	2.6	2.5 ^r	2.5
TOTAL	#	2,753 ^r	2,436 ^r	2,223 ^r	2,237 ^r	2,006
	%	100.0	100.0	100.0	100.0	100.0

* Includes moped riders.

^r Revised.

FATALITIES 1992-2011



CASUALTY RATES 2011

	PER 100,000 POPULATION ¹		PER BILLION VEHICLE-KILOMETRES ²		PER 100,000 LICENSED DRIVERS	
	FATALITIES	INJURIES	FATALITIES	INJURIES	FATALITIES	INJURIES
CANADA	5.8	483.5	5.8	485.0	8.4	699.6
N.L.	5.5	402.8	5.5	407.5	7.7	567.1
P.E.I.	12.4	465.4	13.4	503.6	17.9	675.7
N.S.	6.7	520.2	6.2	480.1	9.3	716.5
N.B.	8.3	376.3	7.6	344.3	11.4	512.8
QUE.	6.1	519.4	6.6	565.6	9.4	803.6
ONT.	3.5	458.1	3.7	479.8	5.0	653.6
MAN.	8.8	657.3	8.9	662.6	13.5	1,011.1
SASK.	14.2	650.1	11.2	512.6	20.4	934.8
ALTA.	8.3	491.9	5.7	338.7	11.1	657.7
B.C.	6.4	426.3	8.0	536.1	9.2	615.0
Y.T.	25.4	545.2	17.9	383.0	41.8	896.7
N.W.T.	0.0	244.3	0.0	332.5	0.0	437.4
NVT.	8.9	128.2	83.5	1,197.0	49.9	715.1

1.

Statistics Canada, Annual Demographic Estimates: Canada, Provinces and Territories, 2012, Catalogue No. 91-215-X.
2.

Statistics Canada, 'Canadian Vehicle Survey', Catalogue No. 53-223-XIE.

Notes: Vehicle KMs Data were not available for 2011 (or 2010) so they were estimated using average yearly change for the years 2005-2009.

Data for Ontario are preliminary for 2011.

Recent changes in how traffic accident reports are collected in Manitoba resulted in an increased number of injuries of a minimal nature being captured in 2011.

PERCENTAGE OF DRIVER AND PASSENGER FATALITIES AND SERIOUS INJURIES BY AGE GROUP 2011

AGE GROUP (YRS)	FATALITIES		SERIOUS INJURIES	
	DRIVERS	PASSENGERS	DRIVERS	PASSENGERS
0-4	0.0	2.8	0.0	2.5
5-14	0.1	6.3	0.2	7.5
15-19	8.9	16.0	9.2	18.4
20-24	13.2	14.5	12.7	14.4
25-34	17.1	16.2	18.7	14.4
35-44	13.0	7.4	17.4	9.4
45-54	15.1	8.4	17.9	10.2
55-64	12.9	6.3	12.2	7.4
65 +	19.5	21.1	11.4	10.4
NOT STATED	0.2	1.0	0.3	5.4
TOTAL	100.0	100.0	100.0	100.0

NUMBER OF LICENSED DRIVERS BY GENDER AND BY AGE 2011

AGE GROUP (YRS)	MALES	FEMALES	TOTAL
<16	27,404	20,851	48,255
16-19	585,060	524,741	1,109,801
20-24	969,216	897,822	1,867,038
25-34	2,076,540	2,002,920	4,079,460
35-44	2,169,934	2,089,769	4,259,702
45-54	2,527,148	2,393,822	4,920,970
55-64	2,054,223	1,916,123	3,970,345
65 +	1,921,943	1,653,551	3,575,494
NOT STATED	0	0	0
TOTAL	12,331,467	11,499,598	23,831,065

LICENSED DRIVERS AND MOTOR VEHICLE REGISTRATIONS BY TYPE OF VEHICLE (IN THOUSANDS) 1992-2011

	LICENSED DRIVERS ¹	LIGHT-DUTY VEHICLES ²	COMMERCIAL VEHICLES ³	MOTOR-CYCLES ⁴
1992	18,465	12,781	3,461	339
1993	18,843	12,925	3,455	337
1994	19,243	13,131	3,510	330
1995	19,327	13,192	3,535	320
1996	19,964	13,251	3,620	312
1997	20,148	13,515	3,684	319
1998	20,744	13,887	3,767	334
1999	20,934	16,538	722	274
2000	20,593	16,832	739	311
2001	20,879	17,055	729	318
2002	21,163	17,543	724	350
2003	21,436	17,755	740	373
2004	21,673	17,920	752	409
2005	21,937	18,124	786	443
2006	22,278	18,739	841	485
2007	22,606	19,199	872	522
2008	22,972	19,613	907	567
2009	23,198	19,877	915	595
2010	23,541	20,272 ^e	941 ^e	637 ^e
2011	23,831	20,674 ^e	968 ^e	682 ^e

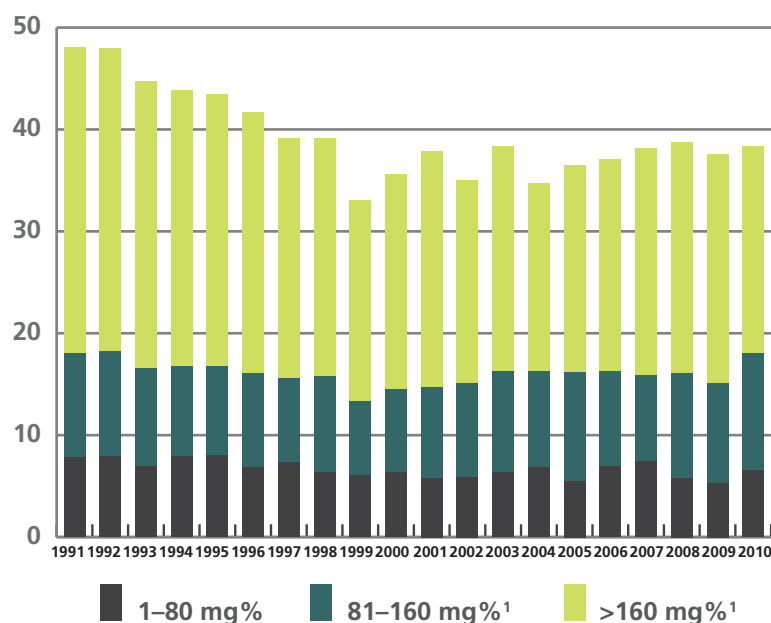
1. Excludes temporary permits prior to 1999.
2. Pre-1999, these registrations include passenger automobiles. From 1999, light-duty vehicles include passenger type vehicles (automobiles, passenger vans), light trucks and vans (less than 4 500 kg).
3. Pre-1999, these registrations include trucks, buses and other commercial vehicles, such as vans. From 1999, these registrations include commercial vehicles (trucks and buses) greater than 4 500 kg.
4. Includes mopeds.
- e Estimated.

Source: 1992 to 1998: Statistics Canada, Catalogue No. 53-219, "Road Motor Vehicles -Registrations". From 1999, the motor vehicle registration data are from Statistics Canada, CANSIM, Table 405-0004. From 1999 the licensed driver data were provided by each jurisdiction.

Notes: Registration Data were not available for 2010 and 2011 so they were estimated using average yearly change for the last 5 years

The decline in police reporting in British Columbia in years 1996 through 2004 has affected the British Columbia totals and, to a lesser extent, national totals reported in this publication.

PERCENTAGE OF FATALLY INJURED DRIVERS TESTED AND FOUND TO HAVE BEEN DRINKING (BAC* >0 mg%) 1991-2010



* BAC: Blood Alcohol Concentration.
mg%: Weight of alcohol in the bloodstream stated as milligrams in 100 millilitres of blood.

1. Prior to 2001, BAC categories were reported as 81-150 mg% and >150 mg%.

Source: BAC: 'The Alcohol Crash Problem in Canada' Strategies to Reduce Impaired Driving 2010, Canadian Council of Motor Transport Administrators, Ottawa, Canada

PERCENTAGE OF DRIVER AND PASSENGER FATALITIES AND SERIOUS INJURIES WHERE VICTIMS WERE NOT USING SEAT BELTS 2007-2011

	2007	2008	2009	2010	2011
DRIVERS					
FATALITIES	35.3	34.9	33.6	34.0	31.4
SERIOUS INJURIES	16.0	15.6	14.5	12.9	12.9
PASSENGERS					
FATALITIES	39.1	38.3	36.3	40.4	34.1
SERIOUS INJURIES	24.8	21.6	23.3	20.5	20.9

Note: "Serious Injuries" include victims admitted to hospital for treatment or observation.

PERCENTAGE OF FATALITIES AND SERIOUS INJURIES BY ROAD USER CLASS 2011

ROAD USER CLASS	FATALITIES	SERIOUS INJURIES
DRIVERS	51.5	47.3
PASSENGERS	19.3	21.8
PEDESTRIANS	15.7	13.5
BICYCLISTS	2.6	3.9
MOTORCYCLISTS	8.4	10.6
NOT STATED/OTHER	2.5	2.9
TOTAL	100.0	100.0

NUMBER OF COLLISIONS BY LOCATION 2011

LOCATION	FATAL	PERSONAL INJURY
URBAN ¹	771	89,759
RURAL ²	1,030	29,441
NOT STATED	33	1,959
TOTAL	1,834	121,159

1. Urban includes: (a) metropolitan roads and streets and other urban areas, or (b) a speed limit at the collision site of 60 km/h or less.
2. Rural includes: (a) primary or secondary highways, as well as local roads, or (b) a speed limit at the collision site exceeding 60 km/h.

Note: In Alberta, New Brunswick, Manitoba, and Saskatchewan, "urban" includes any area within the corporate boundaries of a city, town, village or hamlet. "Rural" includes any area outside of what is defined as "urban".