



RoadSafetyBC

# Motor Vehicle Related Crashes, Injuries and Fatalities 10-year Statistics for British Columbia, 2013-2022

RoadSafetyBC

Business Intelligence, Business Integration and Enhanced Enforcement Programs (BIEEP)

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# Introduction

This report presents police-reported data on motor vehicle crashes in British Columbia for the ten-year period 2013-2022. The report is updated every year and is valuable in measuring the province's progress towards achieving Vision Zero for fatalities and injuries.

The MV6020 form is the primary data source for this report. MV6020 forms are completed by police soon after a motor vehicle crash and manually entered into the Traffic Accident System (TAS), managed by ICBC. Other motor vehicle crash information is from the "loss event" database, also maintained by ICBC, containing motor vehicle insurance claims data. The statistics for Canada and Ontario Fatal Victims per 100,000 population is from [Transport Canada](#).

The **2022 data is preliminary** and the motor vehicle fatality and injury counts may change slightly should new or adjusted data be received. Manual data entry into TAS is prioritized for crashes involving fatalities and/or injuries over those where no fatalities and/or injuries occurred. The total number of police-reported crashes for 2022 is expected to increase.

Police-reported TAS data only represents the most serious motor vehicle crashes. ICBC crash claims data represents nearly all crashes involving British Columbia road users. In the ten-year period between 2013-2022, there were an average of 289,500 ICBC reported crashes per year. Police completed MV6020 forms for approximately 10% of all motor vehicle crashes.

Various factors influence road safety data such as legislative and policy changes, the total number of vehicle kilometers driven and licensed drivers, enforcement practices and policies, seasonal weather, road conditions and roadway characteristics and design.

#### Additional Information:

- Data is as of **October 3, 2023**.
- Data does not include crashes on roads where the Motor Vehicle Act does not apply, such as forest-service roads, industrial roads and private driveways. Fatal victims of off-road snowmobile crashes, homicides, natural cause deaths, and suicides are also excluded.
- Statistics on crash contributing factors, vehicle and occupant types are available on [ICBC's Quick Statistics](#).

## Road Safety Summary

**Table 1: Key Figures**

Year	Fatal Victims	Injuries in Police-Reported Crashes	Injuries in ICBC-Reported Crashes	Police-Reported Crashes*	ICBC-Reported Crashes**	% of ICBC-Reported Crashes with a Corresponding Police Report*
2013	269	20,789	85,000	34,399	265,000	13%
2014	289	21,209	83,000	34,992	280,000	12%
2015	295	22,510	83,000	36,949	300,000	12%
2016	288	22,109	91,000	38,262	325,000	12%
2017	287	21,209	94,000	37,704	335,000	11%
2018	299	19,809	95,000	35,486	316,000	11%
2019	270	16,119	93,000	25,518	299,000	9%
2020	253	12,584	64,000	20,068	225,000	9%
2021	295	13,956	72,000	21,835	263,000	8%
2022	302	12,777	68,000	20,147	287,000	7%

\*, \*\* See Data Notes page for more detail.

The significant drop in fatal victims seen in 2020 may be attributable in part to reduced traffic volumes related to the COVID-19 pandemic. Example dataset detailing the traffic reduction: <https://theimtc.com/border-data/2021-traffic-volumes/> and <https://vancouver.ca/streets-transportation/traffic-count-data.aspx>.

## Road Safety Key Performance Indicators

**Table 2: Key Performance Indicators Police-Reported Crashes**

Per 100,000 Population			Per 100,000 Licensed Drivers			
Year	Fatal Victims***	Injured Victims***	Crashes	Fatalities per Licenced Drivers***	Injuries per Licenced Drivers***	Crashes per Licenced Drivers
<b>2013</b>	5.9	445.6	742.9	8.3	627.5	1,056.2
<b>2014</b>	6.3	455.5	743.4	8.9	644.7	1,066.8
<b>2015</b>	6.3	478.9	773.6	8.8	669.5	1,099.6
<b>2016</b>	6.1	463.0	787.4	8.5	644.1	1,118.5
<b>2017</b>	5.7	437.4	764.9	7.9	605.3	1,082.3
<b>2018</b>	5.6	393.4	708.2	8.0	555.7	1,004.4
<b>2019</b>	5.3	315.2	500.9	7.5	446.1	709.6
<b>2020</b>	4.8	243.1	389.3	6.8	344.0	550.6
<b>2021</b>	5.7	269.9	419.7	7.9	370.8	581.6
<b>2022</b>	5.7	240.2	378.8	7.9	335.1	528.4

\*\*\*See Data Notes page for more detail.

The significant drop in fatal victims seen in 2020 is likely attributable in part to reduced traffic volumes related to the COVID-19 pandemic. Example dataset detailing the traffic reduction: <https://theimtc.com/border-data/2021-traffic-volumes/> and <https://vancouver.ca/streets-transportation/traffic-count-data.aspx>.

## Jurisdictional Rate Comparison

**Table 3: Fatality and Injury Rate Comparison  
National, Provincial and Global Leaders**

Year	Fatalities per 100,000 population				Injuries per 100,000 population			
	BC	Canada***	Ontario***	Sweden^	BC Injuries***	Canada Injuries***	Ontario Injuries***	Sweden Injuries^
<b>2013</b>	5.9	5.50	3.50	2.7	445.60	470.20	440.40	210.1
<b>2014</b>	6.3	5.20	3.50	2.8	455.50	421.70	347.40	179.8
<b>2015</b>	6.3	5.20	3.60	2.6	478.90	451.60	401.10	199.4
<b>2016</b>	6.1	5.20	4.00	2.7	463.00	442.10	396.20	186.7
<b>2017</b>	5.7	5.00	4.10	2.5	437.40	421.90	362.20	194.3
<b>2018</b>	5.6	5.20	4.20	3.2	393.40	412.40	356.90	180.8
<b>2019</b>	5.3	4.70	3.90	2.1	315.20	374.50	318.20	171.6
<b>2020</b>	4.8	4.60	3.60	2.0	243.10	267.00	213.90	147.9
<b>2021</b>	5.7	4.70	3.80	2.0	269.90	284.00	216.40	152.4
<b>2022</b>	5.7			2.2	240.20			145.0

\*\*\*, ^See Data Notes page for more detail.

Police-Reported Crash data for **the most recent year** is omitted until next year, when manual data entry will be finalized.

## Data Notes

**Fatality:** Refers to a road user who dies within 30 days after an injury sustained in a crash involving at least one motor vehicle on a 'highway' as defined in the Motor Vehicle Act (largely any public roadway). NOTE: Efforts are made to reconcile Traffic Accident System (TAS) data with BC Coroners Service data. Fatality data may differ between TAS and the Coroners Service because Coroners Service data also includes fatalities that occur more than 30 days after an injury was sustained as a result of a motor vehicle crash.

**Injury:** Refers to a road user who has reported any injury, at any level of severity, resulting from a motor vehicle crash occurring on a 'highway' as defined in the Motor Vehicle Act. This includes serious injuries where a road user was admitted to hospital for an overnight stay.

**Road User:** Refers to a driver, passenger, pedestrian or cyclist who is travelling on a 'highway' as defined in the Motor Vehicle Act.

\* Since 2008, there have been several legislative changes regarding the reporting of motor vehicle crashes to/by a police officer. This has led to a decrease in the number of police-attended crash reports submitted to ICBC, particularly for crashes that do not involve fatalities.

\*\* As of September 2019, multiple counting of a small number of crashes has been adjusted. Crash counts for years 2013 or later may be slightly lower than previously published.

\*\*\* Data from Transport Canada Annual Report: Canadian Motor Vehicle Traffic Crash Statistics. Except for the most recent year, which is calculated using TAS fatality and injury counts and BC stats population data. Crash counts for the most recent year are unavailable for Total Canada and Ontario.

<https://tc.canada.ca/en/road-transportation/statistics-data>

^Sweden road safety data is provided by their government's Transport Analysis agency.

<https://www.trafa.se/en/road-traffic/road-traffic-injuries/>