

This report summarizes all accidental deaths of motorcyclists in traffic-related motor vehicle incidents (MVIs) between January 1, 2012 and December 31, 2021.

Inclusion Criteria: In this report, the term “motorcyclist” is defined as an individual known to have been riding a motorcycle, moped, scooter, or street-legal, licensed dirt bike on a public highway when the MVI occurred.

For BC Coroners Service (BCCS) statistics, a traffic-related MVI is one occurring on a public “highway”, as defined in the *Motor Vehicle Act*. This definition encompasses any roadway intended for or used by the public for the passage of vehicles, and any private place to which the public has access or is invited (e.g., for parking or vehicle servicing). Private driveways and forest service roads are excluded, except where the forest service road is open to public use. Incidents involving off-road vehicles, industrial vehicles, and farm vehicles are included when occurring on public highways, but excluded when occurring off-road or on a worksite.

Caveats: As the BCCS operates in a live database environment, the data are considered preliminary and subject to change. These data were compiled by date of death, which may differ from the date of injury. In some cases, the death may occur months or years after injury. These statistics may vary from those reported by other agencies because of differences in data definitions or reporting standards.

Summary:

- In 2021, there were 37 reported motorcyclist deaths in B.C. (*Table 1*). The average number of motorcyclist deaths between 2012-2021 was 37.
- Over half of all fatalities for the ten-year period occurred in the summer months (55%) (*Fig. 1*). The months with the highest number of deaths were August (81) and July (80) (*Table 1*).
- Fatal injuries occurred more frequently on Saturdays (19%), followed by Sunday (17%) and Tuesday (17%) (*Fig. 2*).
- The majority of motorcyclists were male (92%) (*Fig. 3*).
- Individuals aged 30 to 59 accounted for 58% of the deaths (*Fig. 4*).
- Most motorcyclists were known to reside in B.C. (83%) (*Fig. 5*).
- The Interior and Fraser Health Authority had the highest percentages of motorcyclist deaths (36% and 28%, respectively) (*Fig. 6*).
- From 2012-2020, the annual death rate per 10,000 motorcycle licences ranged from 1.0 to 1.8 (*Fig. 7*). Data for 2021 is not yet available.

Table 1. Motorcyclist Deaths by Month, 2012-2021										
Month	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
January	1	1	1	1	0	0	0	1	0	0
February	0	1	0	0	1	1	0	0	0	1
March	1	2	0	2	0	0	0	1	0	1
April	1	1	4	2	3	1	3	3	1	1
May	1	5	7	4	3	1	4	6	5	5
June	0	0	4	6	2	5	7	7	4	8
July	8	3	7	9	12	6	19	5	5	6
August	6	9	7	6	7	11	10	8	13	4
September	3	5	5	2	5	5	6	6	5	4
October	2	3	0	4	0	3	4	4	4	5
November	3	2	2	0	0	0	0	1	0	2
December	0	1	0	0	1	1	0	0	0	0
Total	26	33	37	36	34	34	53	42	37	37

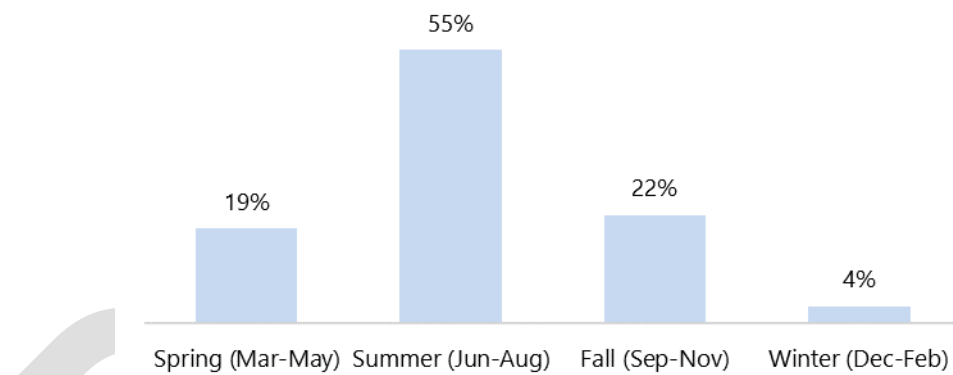


Fig. 1. Motorcyclist Deaths by Season of Injury as % of Total, 2012-2021^[1]

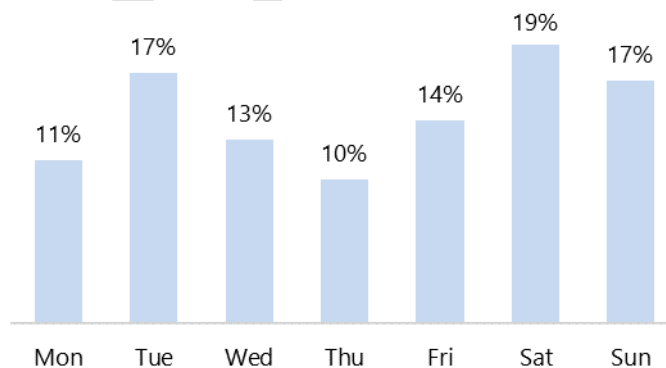


Fig. 2. Motorcyclist Deaths by Day of Injury as % of Total, 2012-2021^[1,5]

Table 2. Motorcyclist Deaths by Sex, 2012-2021										
Sex	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Female	1	3	2	4	3	5	4	4	4	1
Male	25	30	35	32	31	29	49	38	33	36
Total	26	33	37	36	34	34	53	42	37	37

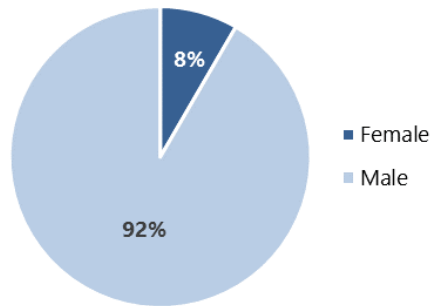


Fig. 3. Motorcyclist Deaths by Sex as % of Total, 2012-2021

Table 3. Motorcyclist Deaths by Age Group, 2012-2021										
Age	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<19	0	0	1	0	1	0	0	0	0	1
19-29	6	9	1	5	5	1	16	4	8	4
30-39	5	6	5	7	6	8	9	4	6	5
40-49	6	2	5	9	9	5	4	12	8	4
50-59	5	6	14	7	5	10	8	13	5	12
60-69	3	5	10	5	7	6	10	5	5	9
70+	1	5	1	3	1	4	6	4	5	2
Total	26	33	37	36	34	34	53	42	37	37

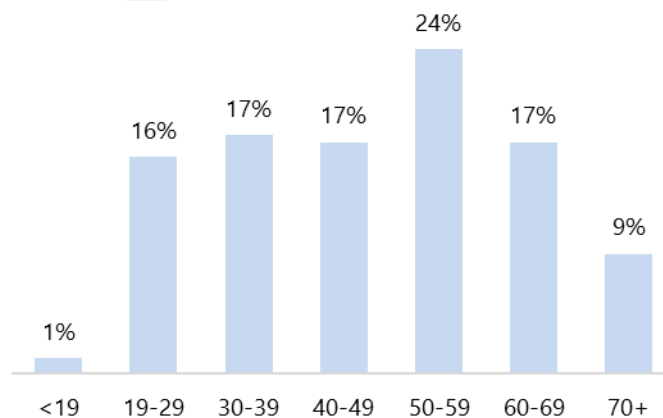


Fig. 4. Motorcyclist Deaths by Age Group as % of Total, 2012-2021^[5]

Table 4. Motorcyclist Deaths by Decedent Residence, 2012-2021										
Place of Residence	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
British Columbia	17	30	29	32	26	26	44	35	34	33
Other Province	3	3	6	4	8	4	5	5	3	3
USA	1	0	1	0	0	3	2	0	0	0
Data Not Available	5	0	1	0	0	1	2	2	0	1
Total	26	33	37	36	34	34	53	42	37	37

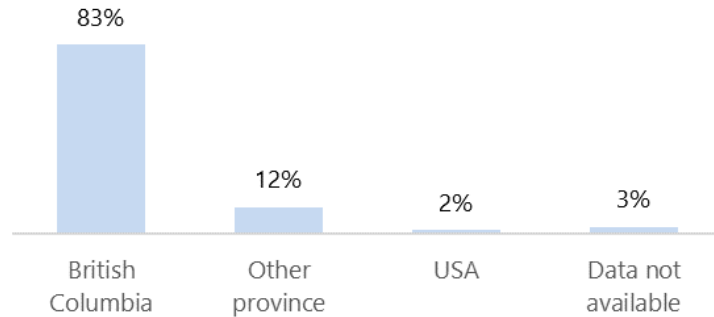


Fig. 5. Motorcyclist Deaths by Place of Residence, 2012-2021

Table 5. Motorcyclist Deaths by Health Authority of Injury, 2012-2021 ^[2,3]										
HA	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Interior	7	4	18	15	14	13	15	19	15	11
Fraser	8	8	9	10	10	9	19	11	9	9
Van. Coastal	2	8	6	5	6	4	13	8	5	2
Island	5	6	2	3	2	4	3	4	6	9
Northern	4	7	2	3	2	4	3	0	2	6
Total	26	33	37	36	34	34	53	42	37	37

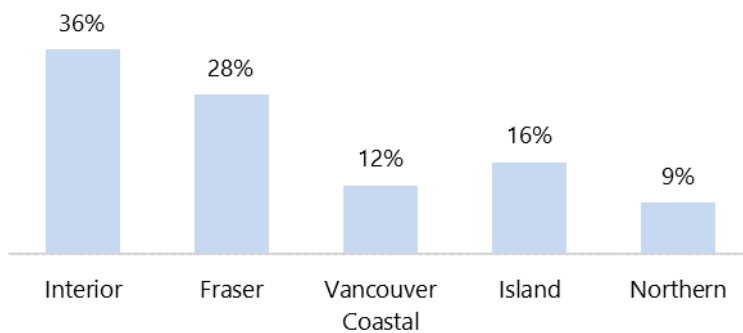


Fig. 6. Motorcyclist Deaths by Health Authority of Injury, 2012-2021^[2,3,5]

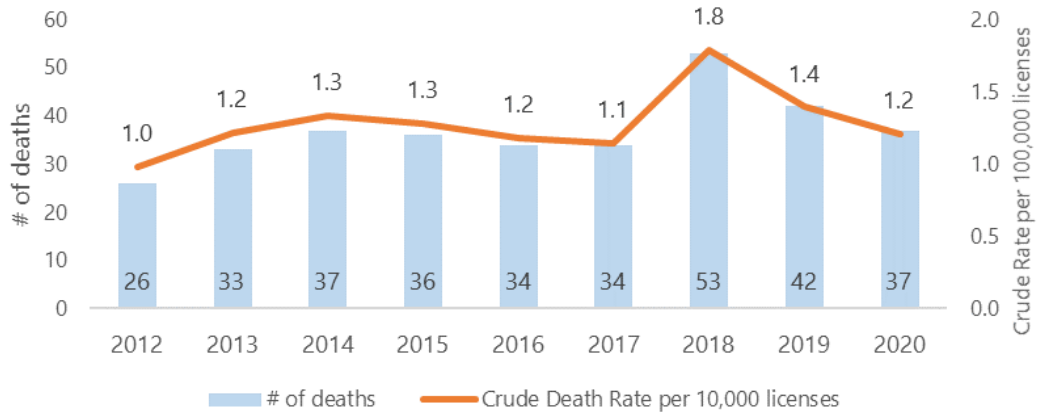


Fig. 7. Motorcyclist Deaths per 10,000 Motorcycle Licences, 2012-2020^[4]

Notes

1. Excludes one death with an unknown date of injury.
2. Health Region breakdowns can be found at: <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/landuse/administrative-boundaries/health-boundaries>
3. Health authority is derived from injury township. Death township is used in cases of unknown or out-of-province injury township.
4. Motorcycle licence counts were provided by ICBC. Counts include active Class 6 and Class 8 motorcycle licences on December 31st of each year. Data for 2021 is not yet available. Data can be found at: <https://www.icbc.com/about-icbc/newsroom/Pages/Statistics.aspx>
5. Percentages may not sum to 100 due to rounding.