

Table S17: Canadian-Registered Aircraft (CRA) Accident Rates for Aircraft Operating Under CARs, 2018 - 2023

	2018	2019 ^R	2020	2021 ^R	2022 ^R	2018 - 2022 Average	2023 ^P
CRA Accidents¹	152	186	147	159	139	156.6	136
Private/Recreational Aviation²	95	108	95	103	89	98.0	62
Airplanes	83	95	85	90	80	86.6	58
Balloons	0	0	0	2	1	0.6	0
Gliders	1	3	2	3	2	2.2	1
Gyroplanes	2	0	1	0	0	0.6	0
Helicopters	9	10	8	8	6	8.2	3
Basic and Advanced Ultralights	15	17	15	19	11	15.4	17
Hours Flown^R (thousands)	5,016	4,844	3,098	3,422	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
Accident Rate (per 100,000 hours flown)	3.0	3.8	4.7	4.6	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
Canadian Civil Aircraft Registered¹	29,110	29,169	29,088	29,115	29,234	29,143.2	29,332
Private/Recreational Aviation²	21,862	21,785	21,773	21,714	21,654	21,757.6	21,602
Airplanes	19,387	19,331	19,271	19,208	19,120	19,263.4	19,059
Balloons	501	492	498	497	502	498.0	503
Gliders	716	714	714	712	704	712.0	701
Gyroplanes	230	230	229	230	228	229.4	231
Helicopters	1,028	1,018	1,061	1,067	1,100	1,054.8	1108
Basic and Advanced Ultralights	7,590	7,682	7,785	7,903	7,995	7,791.0	8,072
Accident Rate (per 1,000 Canadian civil aircraft registered)	5.2	6.5	5.0	5.4	4.8	5.4	5
Private/Recreational Aviation	4.3	5.0	4.3	4.7	4.1	4.5	2.9
Airplanes	4.3	5.0	4.4	4.6	4.2	4.5	3.0
Balloons	0	0	0	4	2.0	1.2	0
Gliders	1.4	4.2	2.8	4.2	2.8	3.1	1.4
Gyroplanes	8.7	0	4.4	0	0	2.6	0
Helicopters	8.8	10.8	6.6	7.5	5.5	7.8	2.7
Basic and Advanced Ultralights	2.0	2.1	1.9	2.4	1.3	1.9	2.1

Notes and Sources

Notes: R= Revised data. P= Preliminary data. CARs= Canadian Aviation Regulations.

Canadian-registered aircraft, other than ultra-lights, operating in Canada and based on the Canadian Aviation Regulations (CARs). Aircraft accidents not operating in accordance with CARs (i.e. military and state aircraft not operating under CARs) are excluded.

1 Excludes aircraft accidents not operating in accordance with CARs. Ultralight aircraft are excluded.

2 Recreational aviation comprises all privately registered aircraft except those operated in accordance with CAR 604.

The collection of hours flown for 2022 and 2023 has been suspended and therefore an accident rate for 2022 and 2023 cannot be calculated at this

time. No revision to hours flown for previous years.

Sources: Transport Canada, adapted from the Transportation Safety Board, preliminary data as of April 16, 2024.