

Table 1
Reportable aircraft occurrences

	December			Year to date (December)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of reportable accidents	6	8	9	169	227	230
Accidents in Canada involving Canadian-registered aircraft	6	6	8	164	210	212
Accidents outside Canada involving Canadian-registered aircraft	0	1	1	5	8	10
Accidents in Canada involving foreign-registered aircraft	0	1	0	0	10	9
Number of accidents by operator type¹	6	8	9	169	227	230
Commercial	3	1	4	53	83	77
Airliner (CAR 705)	0	0	1	4	7	7
Commuter (CAR 704)	0	1	0	3	4	3
Air taxi (CAR 703)	2	0	1	13	26	25
Aerial work (CAR 702)	0	0	1	13	21	18
Foreign air operator (CAR 701)	0	0	0	0	1	2
Flight training units (CAR 406)	1	0	1	20	25	21
Other commercial	0	0	0	0	0	1
Private	3	7	5	114	143	151
Private operators (CAR 604)	0	1	0	2	4	3
Recreational	3	5	4	108	133	142
Other private	0	1	0	4	6	7
State	0	0	0	0	1	1
Other/Unknown	0	0	0	2	0	2
Number of accidents by aircraft type¹	6	8	9	169	227	230
Aeroplane	6	7	7	133	176	176
Helicopter	0	1	1	15	28	28
Ultralight	0	0	0	17	18	20
Other ²	0	0	0	4	6	7
Number of aircraft involved in accidents^{1,3}	6	8	9	171	230	235
Aeroplanes	6	7	8	135	178	180
Helicopters	0	1	1	15	28	28
Ultralights	0	0	0	17	18	20
Other ²	0	0	0	4	6	7
Number of fatal accidents by aircraft type¹	1	2	2	12	33	27
Aeroplane	1	2	2	7	27	21
Helicopter	0	0	0	2	3	3
Ultralight	0	0	0	3	3	3
Other ²	0	0	0	0	1	1
Reportable accident fatalities	1	4	3	16	70	47
Reportable accident serious injuries	0	0	2	17	31	28
Accidents in Canada involving foreign-registered aircraft	0	1	0	0	10	9
Fatal accidents	0	0	0	0	4	2
Fatalities	0	0	0	0	11	4
Serious Injuries	0	0	0	0	1	1
Occurrences with a dangerous good release	0	0	1	1	8	7
Number of reportable incidents⁴	26	80	78	419	915	867
Incidents in Canada involving Canadian-registered aircraft	21	60	56	317	654	644
Incidents outside Canada involving Canadian-registered aircraft	2	14	15	66	181	140
Incidents in Canada involving foreign-registered aircraft	3	7	9	43	113	111
Number of reportable incidents by category⁴	26	80	78	419	915	867
Risk of collision / Loss of separation	1	10	10	47	138	140
Declared emergency	15	31	32	190	366	340
Engine failure	3	8	8	50	103	102
Smoke / Fire	1	10	9	25	91	92
Collision	0	2	2	8	31	21
Other	6	19	17	99	186	171

Data extracted 15 January 2021

¹ Breakdowns may not add up to totals. For example, when an occurrence involves an airplane and a helicopter, the occurrence is counted in each type, but only once in the total.

² Includes balloons, gyroplanes, gliders, airships, hang gliders, unmanned aerial vehicles (UAV) and similar aircraft types.

³ "Number of aircraft involved in accidents" are aircraft counts, all other data are accident counts.

⁴ New TSB regulations came into effect on 1 July 2014. Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5 700 kg); b) aircraft being operated under an air operator certificate issued under CARs Part VII.

Table 2
Occurrences involving Canadian-registered aircraft

	December			Year to date (December)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by aircraft and operator type	6	7	8	152	200	202
Aeroplane accidents	6	6	7	133	168	168
Commercial	3	1	3	45	66	55
Airliner (CAR 705)	0	0	1	4	7	7
Commuter (CAR 704)	0	1	0	3	4	3
Air taxi (CAR 703)	2	0	1	10	21	17
Aerial work (CAR 702)	0	0	0	8	11	9
Flight training units (CAR 406)	1	0	1	20	23	19
Other commercial	0	0	0	0	0	0
Private	3	5	4	88	101	112
Private operators (CAR 604)	0	1	0	2	4	3
Recreational	3	4	4	83	94	105
Other private	0	0	0	3	3	4
State	0	0	0	0	1	1
Other/Unknown	0	0	0	0	0	1
Helicopter accidents	0	1	1	15	27	28
Commercial	0	0	1	8	16	19
Private	0	1	0	7	11	9
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	4	6	7
Number of fatal accidents by aircraft and operator type^{1,2}	1	2	2	9	26	23
Aeroplane accidents	1	2	2	7	23	19
Commercial	1	0	0	1	8	6
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	1	0	0	1	6	3
Aerial work (CAR 702)	0	0	0	0	1	2
Flight training units (CAR 406)	0	0	0	0	1	1
Other commercial	0	0	0	0	0	0
Private	0	2	1	6	15	14
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	0	2	1	6	15	13
Other private	0	0	0	0	0	0
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Helicopter accidents	0	0	0	2	3	3
Commercial	0	0	0	1	1	2
Private	0	0	0	1	2	1
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	0	1	1
Accident fatalities²	1	4	3	13	54	39
Accident serious injuries²	0	0	2	13	26	24
Number of incidents by category^{2,4}	23	74	70	383	835	784
Risk of collision/Loss of separation	1	10	10	46	128	130
Declared emergency	14	29	27	170	318	297
Engine failure	2	8	7	44	96	93
Smoke/Fire	1	9	8	21	83	83
Collision	0	0	1	8	27	19
Other	5	18	16	94	183	161
Number of accidents involving ultralight aircraft	0	0	0	17	18	20
Fatal accidents	0	0	0	3	3	3
Fatalities	0	0	0	3	5	3
Serious injuries	0	0	0	4	4	3

Data extracted 15 January 2021

¹ Breakdowns may not add up to totals. For example, when an occurrence involves an airplane and a helicopter, the occurrence is counted in each type, but only once in the total.

² Excludes ultralight aircraft

³ Includes balloons, gyroplanes, gliders, airships, hang gliders, unmanned aerial vehicles (UAV) and similar aircraft types.

⁴ New TSB regulations came into effect on 1 July 2014. Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5 700 kg); b) aircraft being operated under an air operator certificate issued under CARs Part VII.

Table 3

Accidents involving Canadian-registered fixed-wing and rotary-wing aircraft by type of operation

	December			Year to date (December)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by operation type	6	7	8	148	195	196
Aeroplane accidents	6	6	7	133	168	168
Training	1	0	1	23	27	22
Pleasure/Travel	3	4	4	74	83	99
Business	0	1	0	4	5	3
Forest fire management	0	0	0	1	2	1
Test/Demonstration/Ferry	0	0	0	2	3	2
Aerial application	0	0	0	8	6	6
Inspection	0	0	0	0	0	0
Air transport	2	1	2	15	29	24
Air ambulance	0	0	0	1	1	1
Sightseeing	0	0	0	0	2	1
Other/Unknown	0	0	0	5	10	9
Helicopter accidents	0	1	1	15	27	28
Training	0	0	0	0	2	3
Pleasure/Travel	0	1	0	6	9	7
Business	0	0	0	0	1	1
Forest fire management	0	0	0	1	1	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	2	3	2
Inspection	0	0	0	0	0	0
Air transport	0	0	0	1	9	6
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	1	5	2	6
Number of fatal accidents by operation type	1	2	2	9	26	23
Training	0	0	0	1	1	1
Pleasure/Travel	0	2	1	6	14	13
Business	0	0	0	0	1	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	1	1
Aerial application	0	0	0	0	0	1
Inspection	0	0	0	0	0	0
Air transport	1	0	0	1	7	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	1	2	2
Fatalities	1	4	3	13	54	39
Serious injuries	0	0	2	12	26	23

Data extracted 15 January 2021

Reportable accidents and incidents are reported in accordance with the TSB's regulations for mandatory reporting of occurrences. Breakdowns may not add up to totals. For example, in the total "Number of accidents by operation type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

Canadian-registered aircraft, excluding ultralights, balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types. New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.