

Table 1
Reportable aircraft occurrences

	November			Year to date (November)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of reportable accidents	3	9	11	217	195	226
Accidents in Canada involving Canadian-registered aircraft	2	8	10	202	175	210
Accidents outside Canada involving Canadian-registered aircraft	0	0	0	7	10	8
Accidents in Canada involving foreign-registered aircraft	1	1	0	9	11	8
Number of accidents by operator type¹	3	9	11	217	195	226
Commercial	1	4	5	81	63	72
Airliner (CAR 705)	0	0	0	7	7	6
Commuter (CAR 704)	0	1	0	3	1	3
Air taxi (CAR 703)	0	0	2	26	22	25
Aerial work (CAR 702)	0	1	1	20	16	16
Foreign air operator (CAR 701)	0	1	0	1	3	1
Flight training units (CAR 406)	1	1	1	25	13	20
Other commercial	0	0	0	0	1	1
Private	2	5	6	134	132	151
Private operators (CAR 604)	0	1	0	3	5	3
Recreational	2	5	6	125	122	143
Other private	0	0	0	6	7	6
State	0	0	0	1	1	1
Other/Unknown	0	0	0	1	0	3
Number of accidents by aircraft type¹	3	9	11	217	195	226
Aeroplane	2	6	8	166	148	169
Helicopter	1	3	2	27	25	28
Ultralight	0	0	0	20	18	23
Other ²	0	0	0	5	4	7
Number of aircraft involved in accidents^{1,3}	3	10	11	220	201	231
Aeroplanes	2	7	9	168	154	173
Helicopters	1	3	2	27	25	28
Ultralights	0	0	0	20	18	23
Other ²	0	0	0	5	4	7
Number of fatal accidents by aircraft type¹	1	3	1	30	23	22
Aeroplane	1	2	1	25	17	17
Helicopter	0	1	0	3	4	2
Ultralight	0	0	0	2	2	3
Other ²	0	0	0	1	0	0
Reportable accident fatalities	7	4	2	63	38	35
Reportable accident serious injuries	0	1	1	30	28	27
Accidents in Canada involving foreign-registered aircraft	1	1	0	9	11	8
Fatal accidents	1	0	0	4	0	1
Fatalities	7	0	0	11	0	3
Serious Injuries	0	0	0	1	4	1
Occurrences with a dangerous good release	2	0	0	9	7	6
Number of reportable incidents⁴	79	57	70	830	784	760
Incidents in Canada involving Canadian-registered aircraft	47	45	53	591	558	580
Incidents outside Canada involving Canadian-registered aircraft	18	8	11	166	143	102
Incidents in Canada involving foreign-registered aircraft	16	7	8	105	106	101
Number of reportable incidents by category⁴	79	57	70	830	784	760
Risk of collision / Loss of separation	15	9	9	127	134	122
Declared emergency	33	22	29	334	306	298
Engine failure	10	3	6	95	88	94
Smoke / Fire	5	8	9	81	88	84
Collision	1	1	2	29	22	17
Other	15	14	16	164	146	144

Data extracted 16 December 2019

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

	November			Year to date (November)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by aircraft and operator type	2	8	10	189	167	196
Aeroplane accidents	1	5	8	159	138	162
Commercial	0	1	3	64	44	50
Airliner (CAR 705)	0	0	0	7	7	6
Commuter (CAR 704)	0	1	0	3	1	2
Air taxi (CAR 703)	0	0	1	21	17	16
Aerial work (CAR 702)	0	0	0	10	6	9
Flight training units (CAR 406)	0	0	1	23	12	18
Other commercial	0	0	0	0	1	0
Private	1	4	5	93	94	110
Private operators (CAR 604)	0	1	0	2	5	2
Recreational	1	4	5	88	88	105
Other private	0	0	0	3	2	3
State	0	0	0	1	1	1
Other/Unknown	0	0	0	1	0	1
Helicopter accidents	1	3	2	26	25	28
Commercial	1	2	1	16	16	20
Private	0	1	0	10	9	8
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	5	4	7
Number of fatal accidents by aircraft and operator type^{1,2}	0	3	1	24	21	18
Aeroplane accidents	0	2	1	21	17	16
Commercial	0	0	0	7	4	4
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	0	0	0	6	2	1
Aerial work (CAR 702)	0	0	0	0	2	2
Flight training units (CAR 406)	0	0	0	1	0	1
Other commercial	0	0	0	0	0	0
Private	0	2	1	14	13	12
Private operators (CAR 604)	0	1	0	0	1	0
Recreational	0	2	1	14	13	11
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	1	0	3	4	2
Commercial	0	0	0	1	1	1
Private	0	1	0	2	3	1
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	1	0	0
Accident fatalities²	0	4	2	48	36	29
Accident serious injuries²	0	1	1	25	21	22
Number of incidents by category^{2,4}	65	53	64	757	701	682
Risk of collision/Loss of separation	12	8	9	118	128	112
Declared emergency	23	20	25	288	268	262
Engine failure	9	3	5	88	76	85
Smoke/Fire	5	8	8	74	74	74
Collision	1	1	1	27	17	15
Other	15	13	15	162	138	133
Number of accidents involving ultralight aircraft	0	0	0	20	18	22
Fatal accidents	0	0	0	2	2	2
Fatalities	0	0	0	4	2	2
Serious injuries	0	0	0	4	3	4

Data extracted 16 December 2019

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

	November			Year to date (November)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by operation type	2	8	10	185	163	189
Aeroplane accidents	1	5	8	159	138	162
Training	0	0	1	27	13	20
Pleasure/Travel	1	4	5	77	81	98
Business	0	1	1	4	7	4
Forest fire management	0	0	0	2	1	1
Test/Demonstration/Ferry	0	0	0	3	1	3
Aerial application	0	0	0	6	5	5
Inspection	0	0	0	0	0	0
Air transport	0	1	2	28	24	21
Air ambulance	0	0	0	1	1	1
Sightseeing	0	0	0	2	1	1
Other/Unknown	0	0	0	9	6	8
Helicopter accidents	1	3	2	26	25	28
Training	1	1	0	2	1	3
Pleasure/Travel	0	0	0	8	6	7
Business	0	0	0	1	1	0
Forest fire management	0	0	0	1	2	1
Test/Demonstration/Ferry	0	0	0	0	1	0
Aerial application	0	0	0	3	1	2
Inspection	0	0	0	0	1	1
Air transport	0	0	1	9	3	8
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	1
Other/Unknown	0	2	0	2	8	5
Number of fatal accidents by operation type	0	3	1	24	21	18
Training	0	0	0	1	0	1
Pleasure/Travel	0	2	1	13	14	11
Business	0	1	0	1	1	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	1	1	0
Aerial application	0	0	0	0	1	1
Inspection	0	0	0	0	0	0
Air transport	0	0	0	7	2	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	0	1	3	2
Fatalities	0	4	2	48	36	29
Serious injuries	0	1	1	25	21	21

Data extracted 16 December 2019

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.