

Table 1

Reportable aircraft occurrences

	December			Year to date (December)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of reportable accidents	6	13	8	201	240	249
Accidents in Canada involving Canadian-registered aircraft	5	11	8	179	222	234
Accidents outside Canada involving Canadian-registered aircraft	1	1	0	12	11	7
Accidents in Canada involving foreign-registered aircraft	0	1	0	11	7	8
Number of accidents by operator type	6	13	8	201	240	249
Commercial	3	7	4	66	97	80
Airliner (705)	1	1	0	8	9	6
Commuter (704)	0	0	0	1	5	3
Air taxi (703)	1	1	2	23	28	29
Aerial work (702)	1	1	1	17	18	18
Foreign/Other (a)	0	4	1	17	38	24
State	1	0	0	2	0	2
Corporate	0	0	0	0	0	1
Private/Other (b)	2	7	4	134	144	167
Number of accidents by aircraft type	6	13	8	201	240	249
Aeroplane	5	12	7	154	178	187
Helicopter	1	1	1	26	27	30
Ultralight	0	0	0	17	25	24
Other (c)	0	0	0	4	10	9
Number of aircraft involved in accidents*	6	14	9	207	247	255
Aeroplanes	5	13	7	160	184	192
Helicopters	1	1	1	26	27	30
Ultralights	0	0	0	17	25	24
Others (c)	0	0	0	4	11	9
Number of fatal accidents by aircraft type	0	4	2	23	22	26
Aeroplane	0	3	2	17	18	19
Helicopter	0	1	0	4	2	3
Ultralight	0	0	0	2	1	3
Other (c)	0	0	0	0	1	1
Reportable accident fatalities	0	7	3	38	34	42
Reportable accident serious injuries	0	6	2	28	33	28
Accidents in Canada involving foreign-registered aircraft	0	1	0	11	7	8
Fatal accidents	0	0	0	0	0	2
Fatalities	0	0	0	0	0	3
Serious Injuries	0	0	0	4	0	0
Occurrences with a dangerous good release	0	0	1	7	8	6
Number of reportable incidents**	74	80	69	860	939	797
Incidents in Canada involving Canadian-registered aircraft	48	55	52	605	679	616
Incidents outside Canada involving Canadian-registered aircraft	18	19	10	163	187	94
Incidents in Canada involving foreign-registered aircraft	9	8	9	115	106	111
Number of reportable incidents by type	74	80	69	860	939	797
Risk of collision/Loss of separation	7	11	9	141	172	126
Declared emergency	34	28	31	339	348	319
Engine failure	3	8	9	91	98	101
Smoke/Fire	11	11	7	99	100	85
Collision	3	2	1	25	24	16
Other	16	20	13	165	197	149

Data extracted January 15, 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 aircraft type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

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

a. The commercial service type is not available for foreign-registered aircraft.

b. Other: contains, but is not limited to, organizations that rent aircraft (i.e., flying schools, flying clubs, etc.).

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

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

**Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5700 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)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by aircraft and operator type	6	12	8	174	208	218
Aeroplane accidents	5	11	6	144	171	180
Commercial	2	5	3	46	71	55
Airliner (705)	1	1	0	8	9	6
Commuter (704)	0	0	0	1	5	3
Air taxi (703)	1	1	1	18	18	17
Aerial work (702)	0	0	0	6	12	10
Other	0	3	1	13	27	20
State	1	0	0	2	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	2	7	4	97	101	124
Helicopter accidents	1	1	1	26	27	29
Commercial	1	1	1	17	22	22
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	0	0	0	9	5	7
Other aircraft accidents (b)	0	0	0	4	10	9
Number of fatal accidents by aircraft and operator type	0	4	2	21	21	22
Aeroplane accidents	0	3	2	17	18	18
Commercial	0	1	0	4	7	5
Airliner (705)	0	1	0	0	1	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	2	1	2
Aerial work (702)	0	0	0	2	2	1
Other	0	0	0	0	3	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	0	2	1	13	11	13
Helicopter accidents	0	1	0	4	2	3
Other aircraft accidents (b)	0	0	0	0	1	1
Accident fatalities	0	7	3	36	33	36
Accident serious injuries	0	6	2	21	27	24
Number of incidents by type*	66	74	62	768	866	709
Risk of collision/Loss of separation	6	11	9	133	159	115
Declared emergency	30	24	26	297	316	275
Engine failure	3	7	8	79	88	91
Smoke/Fire	11	11	6	85	95	76
Collision	3	2	1	20	23	15
Other	13	19	12	154	185	137
Number of accidents involving ultralight aircraft	0	0	0	17	25	23
Fatal accidents	0	0	0	2	1	3
Fatalities	0	0	0	2	1	3
Serious injuries	0	0	0	3	6	4

Data extracted January 15, 2019

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a. Other: contains, but is not limited to, organizations that rent aircraft (i.e., flying schools, flying clubs, etc.).

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

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Table 3

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

	December			Year to date (December)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by operation type	6	12	8	170	198	210
Aeroplane accidents	5	11	6	144	171	180
Training	1	4	1	14	31	23
Pleasure/Travel	2	6	3	83	91	110
Business	0	0	0	8	1	3
Forest fire management	0	0	0	1	0	2
Test/Demonstration/Ferry	0	0	0	1	4	3
Aerial application	0	0	0	5	6	6
Inspection	0	0	0	0	1	1
Air transport	2	1	1	26	27	23
Air ambulance	0	0	0	1	1	1
Sightseeing	0	0	0	1	1	1
Other/Unknown	0	1	0	7	9	9
Helicopter accidents	1	1	1	26	27	29
Training	0	0	0	1	7	3
Pleasure/Travel	0	0	0	6	4	6
Business	1	0	0	2	0	0
Forest fire management	0	0	0	2	2	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	3	1
Inspection	0	0	0	1	0	1
Air transport	0	0	0	3	3	9
Air ambulance	0	0	0	0	1	1
Sightseeing	0	0	0	1	1	0
Other/Unknown	0	1	1	9	6	5
Number of fatal accidents by operation type	0	4	2	21	20	21
Training	0	0	0	0	4	2
Pleasure/Travel	0	2	1	14	9	11
Business	0	0	0	1	0	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	1	1
Inspection	0	0	0	0	0	0
Air transport	0	1	0	2	2	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	0	4	4	2
Fatalities	0	7	3	36	32	35
Serious injuries	0	6	2	21	26	23

Data extracted January 15, 2019

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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.