

Table 1

Reportable aircraft occurrences

	November			Year to date (November)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of reportable accidents	9	11	12	196	227	241
Accidents in Canada involving Canadian-registered aircraft	8	10	12	175	211	226
Accidents outside Canada involving Canadian-registered aircraft	0	0	0	11	10	7
Accidents in Canada involving foreign-registered aircraft	1	1	0	11	6	8
Number of accidents by operator type	9	11	12	196	227	241
Commercial	4	5	4	63	90	75
Airliner (705)	0	1	0	7	8	6
Commuter (704)	1	0	0	1	5	3
Air taxi (703)	0	3	2	22	27	27
Aerial work (702)	1	0	0	16	17	17
Foreign/Other (a)	2	1	1	17	34	23
State	0	0	0	1	0	2
Corporate	0	0	0	0	0	1
Private/Other (b)	5	6	8	133	137	163
Number of accidents by aircraft type	9	11	12	196	227	241
Aeroplane	6	9	10	150	166	181
Helicopter	3	1	1	25	26	28
Ultralight	0	1	1	17	25	23
Other (c)	0	0	0	4	10	9
Number of aircraft involved in accidents*	10	11	13	202	233	246
Aeroplanes	7	9	10	156	171	185
Helicopters	3	1	1	25	26	28
Ultralights	0	1	1	17	25	23
Others (c)	0	0	0	4	11	9
Number of fatal accidents by aircraft type	3	1	1	24	18	25
Aeroplane	2	1	1	18	15	18
Helicopter	1	0	0	4	1	3
Ultralight	0	0	0	2	1	3
Other (c)	0	0	0	0	1	1
Reportable accident fatalities	4	2	3	40	27	40
Reportable accident serious injuries	1	0	1	28	27	26
Accidents in Canada involving foreign-registered aircraft	1	1	0	11	6	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	2	0	7	8	5
Number of reportable incidents**	53	86	70	782	859	728
Incidents in Canada involving Canadian-registered aircraft	40	62	53	554	624	564
Incidents outside Canada involving Canadian-registered aircraft	9	16	10	145	168	84
Incidents in Canada involving foreign-registered aircraft	5	9	9	104	98	102
Number of reportable incidents by type	53	86	70	782	859	728
Risk of collision/Loss of separation	7	15	11	132	161	117
Declared emergency	21	33	29	303	320	289
Engine failure	3	3	7	88	90	92
Smoke/Fire	7	12	8	88	89	79
Collision	1	1	2	22	22	15
Other	14	22	14	149	177	136

Data extracted December 17, 2018

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

	November			Year to date (November)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by aircraft and operator type	8	9	11	169	196	210
Aeroplane accidents	5	8	10	140	160	174
Commercial	1	4	3	44	66	52
Airliner (705)	0	1	0	7	8	6
Commuter (704)	1	0	0	1	5	3
Air taxi (703)	0	2	2	17	17	16
Aerial work (702)	0	0	0	6	12	10
Other	0	1	1	13	24	18
State	0	0	0	1	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	4	4	6	96	94	120
Helicopter accidents	3	1	1	25	26	28
Commercial	2	1	1	16	21	21
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	0	0	9	5	7
Other aircraft accidents (b)	0	0	0	4	10	9
Number of fatal accidents by aircraft and operator type	3	1	1	22	17	20
Aeroplane accidents	2	1	1	18	15	17
Commercial	0	0	0	4	6	5
Airliner (705)	0	0	0	0	0	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	2	1	1	14	9	12
Helicopter accidents	1	0	0	4	1	3
Other aircraft accidents (b)	0	0	0	0	1	1
Accident fatalities	4	2	2	38	26	33
Accident serious injuries	1	0	1	21	21	22
Number of incidents by type*	49	78	62	699	792	648
Risk of collision/Loss of separation	6	14	10	126	148	107
Declared emergency	19	27	24	265	292	250
Engine failure	3	2	5	76	81	83
Smoke/Fire	7	12	7	74	84	70
Collision	1	1	2	17	21	14
Other	13	22	14	141	166	125
Number of accidents involving ultralight aircraft	0	1	1	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 December 17, 2018

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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

	November			Year to date (November)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by operation type	8	9	11	165	186	202
Aeroplane accidents	5	8	10	140	160	174
Training	0	1	1	13	27	22
Pleasure/Travel	4	4	5	82	85	107
Business	1	0	0	8	1	3
Forest fire management	0	0	0	1	0	2
Test/Demonstration/Ferry	0	1	0	1	4	3
Aerial application	0	0	0	5	6	6
Inspection	0	0	0	0	1	1
Air transport	1	2	2	24	26	21
Air ambulance	0	0	0	1	1	1
Sightseeing	0	0	0	1	1	1
Other/Unknown	0	0	0	7	8	9
Helicopter accidents	3	1	1	25	26	28
Training	1	1	0	1	7	3
Pleasure/Travel	0	0	0	6	4	6
Business	0	0	0	1	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	1	3	3	9
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	1	1	0
Other/Unknown	2	0	0	9	5	5
Number of fatal accidents by operation type	3	1	1	22	16	19
Training	0	0	0	0	4	2
Pleasure/Travel	2	1	1	15	7	10
Business	1	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	0	0	2	1	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	0	4	3	2
Fatalities	4	2	2	38	25	33
Serious injuries	1	0	1	21	20	21

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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.