

Table 1

Reportable aircraft occurrences

	August			Year to date (August)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of reportable accidents	23	33	33	147	172	181
Accidents in Canada involving Canadian-registered aircraft	22	31	32	134	161	170
Accidents outside Canada involving Canadian-registered aircraft	0	1	0	7	7	5
Accidents in Canada involving foreign-registered aircraft	1	1	1	7	4	7
Number of accidents by operator type	23	33	33	147	172	181
Commercial	8	10	9	49	70	58
Airliner (705)	1	1	0	5	4	3
Commuter (704)	0	0	0	0	4	2
Air taxi (703)	4	2	2	18	20	20
Aerial work (702)	2	4	4	13	16	15
Foreign/Other (a)	1	3	2	13	26	18
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	1
Private/Other (b)	15	23	24	99	102	121
Number of accidents by aircraft type	23	33	33	147	172	181
Aeroplane	19	23	25	116	125	137
Helicopter	3	5	3	16	21	21
Ultralight	1	1	4	12	19	17
Other (c)	0	4	2	3	7	7
Number of aircraft involved in accidents*	23	33	34	151	176	184
Aeroplanes	19	23	25	120	129	139
Helicopters	3	5	3	16	21	21
Ultralights	1	1	4	12	19	17
Others (c)	0	4	2	3	7	7
Number of fatal accidents by aircraft type	4	2	4	17	12	17
Aeroplane	4	2	3	13	10	13
Helicopter	0	0	0	2	0	1
Ultralight	0	0	0	2	1	2
Other (c)	0	0	0	0	1	1
Reportable accident fatalities	8	3	6	31	18	27
Reportable accident serious injuries	6	3	3	22	19	18
Accidents in Canada involving foreign-registered aircraft	1	1	1	7	4	7
Fatal accidents	0	0	0	0	0	1
Fatalities	0	0	1	0	0	3
Serious Injuries	2	0	0	4	0	0
Occurrences with a dangerous good release	2	3	2	7	6	4
Number of reportable incidents**	86	74	73	588	628	529
Incidents in Canada involving Canadian-registered aircraft	60	54	57	415	464	413
Incidents outside Canada involving Canadian-registered aircraft	17	14	8	112	113	57
Incidents in Canada involving foreign-registered aircraft	12	11	12	78	77	75
Number of reportable incidents by type	86	74	73	588	628	529
Risk of collision/Loss of separation	17	15	15	99	121	86
Declared emergency	30	32	27	228	234	209
Engine failure	10	5	8	69	65	67
Smoke/Fire	12	4	7	62	63	55
Collision	3	3	2	14	17	10
Other	14	15	15	116	128	101

Data extracted September 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

	August			Year to date (August)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by aircraft and operator type	21	31	29	129	149	158
Aeroplane accidents	18	22	24	110	121	131
Commercial	6	7	7	38	52	41
Airliner (705)	1	1	0	5	4	3
Commuter (704)	0	0	0	0	4	2
Air taxi (703)	3	0	2	15	12	11
Aerial work (702)	1	3	3	6	11	9
Other	1	3	2	12	21	15
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	12	15	17	73	69	89
Helicopter accidents	3	5	3	16	21	21
Commercial	2	3	2	10	17	16
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	2	1	6	4	5
Other aircraft accidents (b)	0	4	2	3	7	7
Number of fatal accidents by aircraft and operator type	4	2	3	15	11	14
Aeroplane accidents	4	2	3	13	10	12
Commercial	3	1	1	4	5	4
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	2	0	1	2	1	2
Aerial work (702)	1	1	0	2	2	1
Other	0	0	0	0	2	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	1	2	9	5	8
Helicopter accidents	0	0	0	2	0	1
Other aircraft accidents (b)	0	0	0	0	1	1
Accident fatalities	8	3	5	29	17	22
Accident serious injuries	4	3	3	16	14	14
Number of incidents by type*	77	68	65	527	577	470
Risk of collision/Loss of separation	17	14	14	96	111	78
Declared emergency	26	29	23	200	214	181
Engine failure	9	5	7	60	60	61
Smoke/Fire	8	2	5	52	58	49
Collision	3	3	2	10	17	10
Other	14	15	14	109	117	91
Number of accidents involving ultralight aircraft	1	1	4	12	19	17
Fatal accidents	0	0	0	2	1	2
Fatalities	0	0	0	2	1	2
Serious injuries	0	0	0	2	5	4

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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

	August			Year to date (August)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by operation type	21	27	27	126	142	152
Aeroplane accidents	18	22	24	110	121	131
Training	1	3	3	12	23	18
Pleasure/Travel	11	14	15	63	63	78
Business	1	0	0	5	1	2
Forest fire management	0	0	0	0	0	2
Test/Demonstration/Ferry	0	1	1	1	2	2
Aerial application	0	2	2	4	5	5
Inspection	0	0	0	0	1	0
Air transport	4	1	2	21	18	14
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	1	1	1
Other/Unknown	1	1	1	4	7	8
Helicopter accidents	3	5	3	16	21	21
Training	0	0	0	0	4	2
Pleasure/Travel	1	1	1	4	3	4
Business	0	0	0	1	0	0
Forest fire management	0	1	1	1	2	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	2	0	1	3	1
Inspection	0	0	0	0	0	1
Air transport	1	1	1	3	2	6
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	0	1	0
Other/Unknown	1	0	0	6	5	4
Number of fatal accidents by operation type	4	2	3	15	10	13
Training	0	0	1	0	2	1
Pleasure/Travel	1	1	1	11	4	7
Business	0	0	0	0	0	0
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	1	0	1	1	1
Inspection	0	0	0	0	0	0
Air transport	2	0	1	2	1	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	0	1	2	1
Fatalities	8	3	5	29	16	21
Serious injuries	4	3	3	16	14	14

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Canadian-registered aircraft, excluding ultralights, balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types

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