

Table 1

Reportable aircraft occurrences

	September			Year to date (September)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of reportable accidents	25	25	30	173	197	211
Accidents in Canada involving Canadian-registered aircraft	20	23	28	154	184	198
Accidents outside Canada involving Canadian-registered aircraft	3	1	1	10	8	5
Accidents in Canada involving foreign-registered aircraft	2	1	1	10	5	7
Number of accidents by operator type	25	25	30	173	197	211
Commercial	8	7	7	56	77	65
Airliner (705)	2	2	1	7	6	4
Commuter (704)	0	0	0	0	4	2
Air taxi (703)	2	2	3	19	22	23
Aerial work (702)	2	1	1	15	17	16
Foreign/Other (a)	2	3	1	15	29	20
State	1	0	0	1	0	2
Corporate	0	0	0	0	0	1
Private/Other (b)	16	18	22	117	120	143
Number of accidents by aircraft type	25	25	30	173	197	211
Aeroplane	20	20	22	137	145	158
Helicopter	3	2	3	19	23	25
Ultralight	2	2	4	14	21	21
Other (c)	0	1	1	3	8	8
Number of aircraft involved in accidents*	26	26	31	178	202	215
Aeroplanes	21	21	22	142	150	161
Helicopters	3	2	3	19	23	25
Ultralights	2	2	4	14	21	21
Others (c)	0	1	1	3	8	8
Number of fatal accidents by aircraft type	3	3	4	20	15	21
Aeroplane	2	3	2	15	13	15
Helicopter	1	0	1	3	0	2
Ultralight	0	0	1	2	1	3
Other (c)	0	0	0	0	1	1
Reportable accident fatalities	4	4	6	35	22	32
Reportable accident serious injuries	3	3	4	25	22	22
Accidents in Canada involving foreign-registered aircraft	2	1	1	10	5	7
Fatal accidents	0	0	0	0	0	1
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	6	5
Number of reportable incidents**	67	69	62	656	697	591
Incidents in Canada involving Canadian-registered aircraft	55	47	48	470	511	461
Incidents outside Canada involving Canadian-registered aircraft	7	18	8	120	131	64
Incidents in Canada involving foreign-registered aircraft	5	7	10	84	84	85
Number of reportable incidents by type	67	69	62	656	697	591
Risk of collision/Loss of separation	14	15	11	114	136	97
Declared emergency	23	25	24	250	259	234
Engine failure	8	11	9	76	76	76
Smoke/Fire	9	5	7	71	68	62
Collision	4	2	2	18	19	12
Other	9	11	9	127	139	110

Data extracted October 15, 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

	September			Year to date (September)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by aircraft and operator type	21	22	25	150	171	183
Aeroplane accidents	18	19	21	128	140	152
Commercial	5	5	5	42	57	45
Airliner (705)	2	2	1	7	6	4
Commuter (704)	0	0	0	0	4	2
Air taxi (703)	2	1	2	16	13	13
Aerial work (702)	0	1	0	6	12	9
Other	1	1	1	13	22	16
State	1	0	0	1	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	12	14	16	86	83	106
Helicopter accidents	3	2	3	19	23	24
Commercial	2	1	2	12	18	18
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	1	1	7	5	6
Other aircraft accidents (b)	0	1	1	3	8	8
Number of fatal accidents by aircraft and operator type	3	3	3	18	14	17
Aeroplane accidents	2	3	2	15	13	14
Commercial	0	0	0	4	5	4
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	2	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	2	3	2	11	8	10
Helicopter accidents	1	0	1	3	0	2
Other aircraft accidents (b)	0	0	0	0	1	1
Accident fatalities	4	4	5	33	21	27
Accident serious injuries	3	2	4	19	16	18
Number of incidents by type*	62	65	56	590	642	525
Risk of collision/Loss of separation	13	13	10	110	124	88
Declared emergency	21	24	21	220	238	202
Engine failure	7	11	9	66	71	70
Smoke/Fire	8	5	6	60	63	55
Collision	4	1	1	14	18	11
Other	9	11	9	120	128	100
Number of accidents involving ultralight aircraft	2	2	4	14	21	20
Fatal accidents	0	0	1	2	1	2
Fatalities	0	0	1	2	1	2
Serious injuries	0	1	0	2	6	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

	September			Year to date (September)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by operation type	21	21	24	147	163	176
Aeroplane accidents	18	19	21	128	140	152
Training	0	2	1	12	25	20
Pleasure/Travel	11	11	15	74	74	93
Business	1	0	0	7	1	3
Forest fire management	1	0	0	1	0	2
Test/Demonstration/Ferry	0	1	1	1	3	3
Aerial application	1	1	0	5	6	6
Inspection	0	0	0	0	1	0
Air transport	3	3	3	23	21	17
Air ambulance	1	0	0	1	0	0
Sightseeing	0	0	0	1	1	1
Other/Unknown	1	1	0	5	8	8
Helicopter accidents	3	2	3	19	23	24
Training	0	0	0	0	4	2
Pleasure/Travel	1	1	1	5	4	5
Business	0	0	0	1	0	0
Forest fire management	0	0	0	1	2	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	3	1
Inspection	1	0	0	1	0	1
Air transport	0	1	1	3	3	7
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	0	1	0
Other/Unknown	1	0	1	7	5	5
Number of fatal accidents by operation type	3	3	3	18	13	16
Training	0	0	0	0	2	1
Pleasure/Travel	2	2	2	13	6	9
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	0	0	1	1	1
Inspection	0	0	0	0	0	0
Air transport	0	0	0	2	1	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	1	1	2	3	1
Fatalities	4	4	4	33	20	26
Serious injuries	3	2	4	19	16	18

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

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