

Table 1

Reportable aircraft occurrences

	August			Year to date (August)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of reportable accidents	33	24	35	172	162	187
Accidents in Canada involving Canadian-registered aircraft	31	24	32	161	149	175
Accidents outside Canada involving Canadian-registered aircraft	1	0	0	7	6	4
Accidents in Canada involving foreign-registered aircraft	1	0	2	4	7	8
Number of accidents by operator type	33	24	35	172	162	187
Commercial	10	4	8	69	40	56
Airliner (705)	1	0	0	4	0	3
Commuter (704)	0	0	0	4	2	2
Air taxi (703)	2	2	3	20	18	21
Aerial work (702)	4	0	4	15	8	15
Foreign/Other (a)	3	2	2	26	13	16
State	0	0	0	0	0	2
Corporate	0	0	0	0	0	1
Private/Other (b)	23	20	25	103	122	127
Number of accidents by aircraft type	33	24	35	172	162	187
Aeroplane	23	15	26	125	127	139
Helicopter	5	3	3	21	15	22
Ultralight	1	6	4	19	16	19
Other (c)	4	0	2	7	4	7
Number of aircraft involved in accidents*	33	25	35	176	165	190
Aeroplanes	23	16	26	129	130	141
Helicopters	5	3	3	21	15	23
Ultralights	1	6	4	19	16	19
Others (c)	4	0	2	7	4	7
Number of fatal accidents by aircraft type	2	4	5	12	16	20
Aeroplane	2	2	4	10	14	14
Helicopter	0	0	0	0	0	2
Ultralight	0	2	1	1	2	3
Other (c)	0	0	0	1	0	1
Reportable accident fatalities	3	4	8	18	24	33
Reportable accident serious injuries	3	1	5	19	6	20
Accidents in Canada involving foreign-registered aircraft	1	0	2	4	7	8
Fatal accidents	0	0	0	0	1	1
Fatalities	0	0	1	0	7	3
Serious Injuries	0	0	1	0	0	1
Occurrences with a dangerous good release	3	0	1	6	3	3
Number of reportable incidents**	71	80	71	624	533	486
Incidents in Canada involving Canadian-registered aircraft	51	62	56	461	400	382
Incidents outside Canada involving Canadian-registered aircraft	14	10	5	112	69	40
Incidents in Canada involving foreign-registered aircraft	11	10	14	77	77	78
Number of reportable incidents by type	71	80	71	624	533	486
Risk of collision/Loss of separation	14	18	15	119	90	76
Declared emergency	31	27	25	233	206	198
Engine failure	5	8	9	65	67	64
Smoke/Fire	4	11	7	63	61	52
Collision	3	2	1	17	9	7
Other	14	14	15	127	100	90

Data extracted September 18, 2017

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)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of accidents by aircraft and operator type	31	18	28	149	139	160
Aeroplane accidents	22	15	24	121	121	133
Commercial	7	3	6	52	30	38
Airliner (705)	1	0	0	4	0	3
Commuter (704)	0	0	0	4	2	2
Air taxi (703)	0	1	2	12	11	12
Aerial work (702)	3	0	2	11	6	9
Other	3	2	2	21	12	14
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	15	12	17	69	91	93
Helicopter accidents	5	3	3	21	14	22
Commercial	3	1	2	16	8	16
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	2	2	1	5	6	5
Other aircraft accidents (b)	4	0	2	7	4	6
Number of fatal accidents by aircraft and operator type	2	2	4	11	13	16
Aeroplane accidents	2	2	3	10	13	13
Commercial	1	0	1	5	2	3
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	1	1	1	2
Aerial work (702)	1	0	0	2	1	1
Other	0	0	0	2	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	2	2	5	11	10
Helicopter accidents	0	0	0	0	0	2
Other aircraft accidents (b)	0	0	0	1	0	1
Accident fatalities	3	2	6	17	15	27
Accident serious injuries	3	1	4	14	5	15
Number of incidents by type*	65	72	61	573	469	422
Risk of collision/Loss of separation	13	17	13	109	78	69
Declared emergency	28	23	21	213	178	164
Engine failure	5	8	8	60	61	57
Smoke/Fire	2	8	5	58	54	44
Collision	3	2	1	17	9	7
Other	14	14	13	116	89	80
Number of accidents involving ultralight aircraft	1	6	4	19	16	18
Fatal accidents	0	2	1	1	2	3
Fatalities	0	2	1	1	2	3
Serious injuries	0	0	0	5	1	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)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of accidents by operation type	27	18	27	142	135	155
Aeroplane accidents	22	15	24	121	121	133
Training	3	2	2	23	16	17
Pleasure/Travel	14	11	15	62	78	81
Business	0	0	0	1	2	3
Forest fire management	0	0	1	0	1	2
Test/Demonstration/Ferry	1	0	1	2	2	2
Aerial application	2	0	2	5	6	5
Inspection	0	0	0	1	0	0
Air transport	1	1	1	18	10	13
Air ambulance	0	0	0	0	1	1
Sightseeing	0	0	1	1	0	2
Other/Unknown	1	1	1	8	6	7
Helicopter accidents	5	3	3	21	14	22
Training	0	0	0	4	1	2
Pleasure/Travel	1	2	1	3	6	4
Business	0	0	0	0	0	0
Forest fire management	1	0	0	2	0	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	2	0	0	3	1	1
Inspection	0	0	0	0	0	1
Air transport	1	1	1	2	3	7
Air ambulance	0	0	0	1	0	0
Sightseeing	0	0	0	1	0	0
Other/Unknown	0	0	0	5	3	4
Number of fatal accidents by operation type	2	2	3	10	13	15
Training	0	0	1	2	0	1
Pleasure/Travel	1	2	2	4	9	9
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	1	0
Aerial application	1	0	0	1	2	1
Inspection	0	0	0	0	0	0
Air transport	0	0	1	1	1	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	2	0	1
Fatalities	3	2	6	16	15	26
Serious injuries	3	1	3	14	4	14

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

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