

Table 1
Reportable Aircraft Occurrences

	August			Year to Date (August)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of reportable accidents	24	27	36	161	178	192
Accidents in Canada involving Canadian-registered aircraft	24	27	33	148	167	179
Accidents outside Canada involving Canadian-registered aircraft	0	0	0	6	4	4
Accidents in Canada involving foreign-registered aircraft	0	0	3	7	7	9
Number of accidents by operator type	24	27	36	161	178	192
Commercial	4	5	9	40	52	63
Airliner (705)	0	0	1	0	5	4
Commuter (704)	0	0	0	2	2	2
Air taxi (703)	2	4	3	18	14	22
Aerial work (702)	0	1	4	8	15	18
Foreign/Other (a)	2	0	1	13	16	17
State	0	0	0	0	1	2
Corporate	0	0	1	0	0	2
Private/Other (b)	20	22	26	121	126	125
Number of accidents by aircraft type	24	27	36	161	178	192
Aeroplane	15	20	27	126	141	142
Helicopter	3	1	4	15	23	25
Ultralight	6	4	3	16	11	18
Other (c)	0	3	2	4	5	7
Number of aircraft involved in accidents*	25	28	37	164	182	194
Aeroplanes	16	20	27	129	143	144
Helicopters	3	1	4	15	23	25
Ultralights	6	4	3	16	11	18
Others (c)	0	3	2	4	5	7
Number of fatal accidents by aircraft type	4	1	5	16	17	22
Aeroplane	2	1	4	14	13	15
Helicopter	0	0	0	0	1	3
Ultralight	2	0	0	2	3	3
Other (c)	0	0	0	0	0	1
Reportable accident fatalities	4	6	11	24	30	37
Reportable accident serious injuries	1	2	5	4	18	24
Accidents in Canada involving foreign-registered aircraft	0	0	3	7	7	9
Fatal accidents	0	0	1	1	2	1
Fatalities	0	0	1	7	3	2
Serious Injuries	0	0	1	0	0	1
Occurrences with a dangerous good release	0	2	1	3	4	2
Number of reportable incidents**	73	79	66	526	548	475
Incidents in Canada involving Canadian-registered aircraft	58	60	51	396	459	376
Incidents outside Canada involving Canadian-registered aircraft	8	7	4	67	39	35
Incidents in Canada involving foreign-registered aircraft	9	18	14	76	71	79
Number of reportable incidents by type	73	79	66	526	548	475
Risk of collision/Loss of separation	16	15	14	88	78	75
Declared emergency	28	30	24	207	222	195
Engine failure	8	12	9	67	77	64
Smoke/Fire	10	8	5	60	58	51
Collision	2	0	1	9	7	7
Other	9	14	14	95	106	84

Data extracted September 15, 2016

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)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by aircraft and operator type	18	23	30	138	161	165
Aeroplane accidents	15	20	25	120	136	135
Commercial	3	5	6	30	36	42
Airliner (705)	0	0	1	0	5	4
Commuter (704)	0	0	0	2	2	2
Air taxi (703)	1	4	2	11	8	12
Aerial work (702)	0	1	3	6	9	10
Other	2	0	1	12	12	15
State	0	0	0	0	1	1
Corporate	0	0	0	0	0	1
Private/Other (a)	12	15	18	90	100	91
Helicopter accidents	3	1	4	14	22	25
Commercial	1	0	3	8	16	19
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	2	1	1	6	6	5
Other aircraft accidents (b)	0	3	2	4	5	6
Number of fatal accidents by aircraft and operator type	2	1	4	13	13	17
Aeroplane accidents	2	1	4	13	12	14
Commercial	0	1	2	2	4	4
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	1	1	1	2	3
Aerial work (702)	0	0	0	1	1	1
Other	0	0	0	0	1	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	2	0	2	11	9	9
Helicopter accidents	0	0	0	0	1	3
Other aircraft accidents (b)	0	0	0	0	0	1
Accident fatalities	2	6	9	15	25	32
Accident serious injuries	1	2	4	3	15	19
Number of incidents by type*	66	67	56	463	498	411
Risk of collision/Loss of separation	16	14	12	77	72	69
Declared emergency	24	24	19	179	194	161
Engine failure	8	9	7	61	73	57
Smoke/Fire	7	6	4	53	53	43
Collision	2	0	1	9	6	6
Other	9	14	12	84	100	75
Number of accidents involving ultralight aircraft	6	4	3	16	10	18
Fatal accidents	2	0	0	2	2	3
Fatalities	2	0	0	2	2	3
Serious injuries	0	0	0	1	3	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)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by operation type	18	21	29	134	158	160
Aeroplane accidents	15	20	25	120	136	135
Training	2	0	2	16	12	18
Pleasure/Travel	11	13	16	77	87	80
Business	0	0	0	2	0	3
Forest fire management	0	0	1	1	2	2
Test/Demonstration/Ferry	0	1	1	2	1	2
Aerial application	0	2	2	6	5	4
Inspection	0	0	0	0	1	0
Air transport	1	2	2	10	14	16
Air ambulance	0	0	0	1	0	1
Sightseeing	0	1	1	0	1	2
Other/Unknown	1	1	1	6	14	8
Helicopter accidents	3	1	4	14	22	25
Training	0	0	0	1	5	2
Pleasure/Travel	2	1	1	6	6	5
Business	0	0	0	0	0	0
Forest fire management	0	0	0	0	2	2
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	1	1
Inspection	0	0	0	0	0	1
Air transport	1	0	2	3	4	8
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	1	3	4	4
Number of fatal accidents by operation type	2	1	4	13	13	17
Training	0	0	1	0	1	1
Pleasure/Travel	2	0	2	9	8	9
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	1	0
Test/Demonstration/Ferry	0	0	0	1	0	0
Aerial application	0	0	0	2	0	0
Inspection	0	0	0	0	0	0
Air transport	0	0	1	1	2	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	1	0	0	1	1
Other/Unknown	0	0	0	0	1	1
Fatalities	2	6	9	15	25	32
Serious injuries	1	2	4	2	15	18

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

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