

Table 1
Reportable Aircraft Occurrences

	December			Year to Date (December)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of reportable accidents	9	8	7	229	251	265
Accidents in Canada involving Canadian-registered aircraft	9	7	7	213	232	248
Accidents outside Canada involving Canadian-registered aircraft	0	1	1	8	10	7
Accidents in Canada involving foreign-registered aircraft	0	0	0	8	9	11
Number of accidents by operator type	9	8	7	229	251	265
Commercial	6	4	3	63	74	86
Airliner (705)	1	1	0	2	9	6
Commuter (704)	0	0	0	2	3	4
Air taxi (703)	3	2	1	27	23	32
Aerial work (702)	2	0	0	15	18	22
Foreign/Other (a)	0	1	1	18	21	23
State	0	0	0	0	1	3
Corporate	0	0	0	0	0	3
Private/Other (b)	3	4	4	166	177	173
Number of accidents by aircraft type	9	8	7	229	251	265
Aeroplane	6	7	6	173	197	198
Helicopter	3	1	1	28	33	34
Ultralight	0	0	0	22	17	25
Other (c)	0	0	0	6	7	8
Number of aircraft involved in accidents*	9	9	8	233	259	270
Aeroplanes	6	8	6	177	202	202
Helicopters	3	1	1	28	33	34
Ultralights	0	0	0	22	17	25
Others (c)	0	0	0	6	7	8
Number of fatal accidents by aircraft type	1	2	1	29	29	32
Aeroplane	1	2	1	22	20	21
Helicopter	0	0	0	2	5	5
Ultralight	0	0	0	4	4	4
Other (c)	0	0	0	1	0	1
Reportable accident fatalities	2	2	2	45	47	52
Reportable accident serious injuries	2	3	2	16	32	37
Accidents in Canada involving foreign-registered aircraft	0	0	0	8	9	11
Fatal accidents	0	0	0	1	3	2
Fatalities	0	0	0	7	4	3
Serious Injuries	0	0	0	0	0	1
Occurrences with a dangerous good release	2	2	0	6	6	3
Number of reportable incidents**	87	60	54	823	789	705
Incidents in Canada involving Canadian-registered aircraft	60	46	42	607	649	557
Incidents outside Canada involving Canadian-registered aircraft	16	6	4	121	62	53
Incidents in Canada involving foreign-registered aircraft	11	10	8	116	106	118
Number of reportable incidents by type	87	60	54	823	789	705
Risk of collision/Loss of separation	15	9	5	138	111	108
Declared emergency	32	32	27	309	333	294
Engine failure	13	6	10	110	110	96
Smoke/Fire	5	6	5	83	87	80
Collision	2	0	0	17	8	10
Other	20	7	8	166	140	116

Data extracted January 16, 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**

	December			Year to Date (December)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by aircraft and operator type	9	8	7	199	227	230
Aeroplane accidents	6	7	6	166	190	189
Commercial	3	3	3	42	51	59
Airliner (705)	1	1	0	2	9	6
Commuter (704)	0	0	0	2	3	3
Air taxi (703)	2	1	1	16	12	19
Aerial work (702)	0	0	0	7	10	12
Other	0	1	1	16	17	20
State	0	0	0	0	1	2
Corporate	0	0	0	0	0	1
Private/Other (a)	3	4	3	124	139	128
Helicopter accidents	3	1	1	27	32	34
Commercial	3	1	1	18	23	25
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	0	0	0	9	9	8
Other aircraft accidents (b)	0	0	0	6	7	8
Number of fatal accidents by aircraft and operator type	1	2	1	24	23	26
Aeroplane accidents	1	2	1	21	18	20
Commercial	0	1	0	3	6	7
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	1
Air taxi (703)	0	1	0	1	3	4
Aerial work (702)	0	0	0	1	2	2
Other	0	0	0	1	1	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	1	1	18	13	13
Helicopter accidents	0	0	0	2	5	5
Other aircraft accidents (b)	0	0	0	1	0	1
Accident fatalities	2	2	2	34	40	46
Accident serious injuries	2	3	2	15	29	32
Number of incidents by type*	76	52	46	728	711	610
Risk of collision/Loss of separation	15	8	4	127	101	98
Declared emergency	26	27	22	262	290	244
Engine failure	11	6	9	101	102	86
Smoke/Fire	5	4	4	73	79	67
Collision	1	0	0	15	7	9
Other	18	7	7	150	132	105
Number of accidents involving ultralight aircraft	0	0	0	22	16	25
Fatal accidents	0	0	0	4	3	4
Fatalities	0	0	0	4	3	4
Serious injuries	0	0	0	1	3	5

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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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*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 3

Accidents Involving Canadian-Registered Fixed Wing and Rotary Wing Aircraft By Type of Operation

	December			Year to Date (December)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by operation type	9	8	7	193	222	223
Aeroplane accidents	6	7	6	166	190	189
Training	0	1	1	20	16	24
Pleasure/Travel	3	4	3	110	125	112
Business	0	0	0	3	1	5
Forest fire management	0	0	0	1	2	2
Test/Demonstration/Ferry	0	0	0	2	2	4
Aerial application	0	0	0	6	5	5
Inspection	0	0	0	0	1	1
Air transport	2	2	1	16	22	27
Air ambulance	1	0	0	3	0	1
Sightseeing	0	0	0	0	1	2
Other/Unknown	0	0	0	6	16	10
Helicopter accidents	3	1	1	27	32	34
Training	0	0	0	1	5	2
Pleasure/Travel	0	0	0	9	8	7
Business	0	0	0	0	1	1
Forest fire management	0	0	0	0	2	2
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	2	2
Inspection	0	0	0	2	0	2
Air transport	1	1	0	7	10	12
Air ambulance	0	0	0	0	0	1
Sightseeing	0	0	0	0	0	0
Other/Unknown	2	0	0	7	4	6
Number of fatal accidents by operation type	1	2	1	23	23	25
Training	0	0	0	1	1	2
Pleasure/Travel	1	1	1	16	12	12
Business	0	0	0	1	1	1
Forest fire management	0	0	0	0	1	0
Test/Demonstration/Ferry	0	0	0	1	0	1
Aerial application	0	0	0	2	1	0
Inspection	0	0	0	1	0	0
Air transport	0	1	0	1	5	6
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	1
Other/Unknown	0	0	0	0	2	3
Fatalities	2	2	2	33	40	45
Serious injuries	2	3	2	14	29	31

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

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