

Table 1

Reportable aircraft occurrences

	October			Year to date (October)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of reportable accidents	11	19	18	187	216	229
Accidents in Canada involving Canadian-registered aircraft	11	17	16	167	201	214
Accidents outside Canada involving Canadian-registered aircraft	0	2	2	11	10	7
Accidents in Canada involving foreign-registered aircraft	0	0	0	10	5	8
Number of accidents by operator type	11	19	18	187	216	229
Commercial	2	8	5	59	85	71
Airliner (705)	0	1	1	7	7	5
Commuter (704)	0	1	0	0	5	3
Air taxi (703)	2	2	2	22	24	25
Aerial work (702)	0	0	1	15	17	17
Foreign/Other (a)	0	4	2	15	33	22
State	0	0	0	1	0	2
Corporate	0	0	0	0	0	1
Private/Other (b)	9	11	12	128	131	155
Number of accidents by aircraft type	11	19	18	187	216	229
Aeroplane	6	12	13	144	157	171
Helicopter	2	2	2	22	25	27
Ultralight	2	3	2	17	24	23
Other (c)	1	2	1	4	10	9
Number of aircraft involved in accidents*	11	20	18	192	222	233
Aeroplanes	6	12	13	149	162	175
Helicopters	2	2	2	22	25	27
Ultralights	2	3	2	17	24	23
Others (c)	1	3	1	4	11	9
Number of fatal accidents by aircraft type	1	2	3	21	17	23
Aeroplane	1	1	2	16	14	17
Helicopter	0	1	1	3	1	3
Ultralight	0	0	0	2	1	3
Other (c)	0	0	0	0	1	1
Reportable accident fatalities	1	3	5	36	25	37
Reportable accident serious injuries	1	5	2	26	27	24
Accidents in Canada involving foreign-registered aircraft	0	0	0	10	5	8
Fatal accidents	0	0	0	0	0	2
Fatalities	0	0	0	0	0	3
Serious Injuries	0	0	0	4	0	0
Occurrences with a dangerous good release	0	0	0	7	6	5
Number of reportable incidents**	72	76	67	729	773	658
Incidents in Canada involving Canadian-registered aircraft	44	51	50	515	562	511
Incidents outside Canada involving Canadian-registered aircraft	16	21	10	136	152	74
Incidents in Canada involving foreign-registered aircraft	14	5	8	98	89	93
Number of reportable incidents by type	72	76	67	729	773	658
Risk of collision/Loss of separation	10	10	10	124	146	107
Declared emergency	33	28	26	283	287	260
Engine failure	8	11	10	84	87	86
Smoke/Fire	9	9	8	82	77	70
Collision	3	2	2	21	21	13
Other	9	16	11	135	155	121

Data extracted November 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

	October			Year to date (October)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by aircraft and operator type	9	16	15	161	187	199
Aeroplane accidents	6	12	12	135	152	164
Commercial	1	5	4	43	62	49
Airliner (705)	0	1	1	7	7	5
Commuter (704)	0	1	0	0	5	3
Air taxi (703)	1	2	1	17	15	14
Aerial work (702)	0	0	0	6	12	10
Other	0	1	1	13	23	17
State	0	0	0	1	0	1
Corporate	0	0	0	0	0	1
Private/Other (a)	5	7	9	92	90	114
Helicopter accidents	2	2	2	22	25	27
Commercial	1	2	1	14	20	20
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	0	1	8	5	7
Other aircraft accidents (b)	1	2	1	4	10	8
Number of fatal accidents by aircraft and operator type	1	2	2	19	16	19
Aeroplane accidents	1	1	2	16	14	16
Commercial	0	1	1	4	6	5
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	1	0	0	3	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	0	1	12	8	11
Helicopter accidents	0	1	1	3	1	3
Other aircraft accidents (b)	0	0	0	0	1	1
Accident fatalities	1	3	4	34	24	31
Accident serious injuries	0	5	2	19	21	20
Number of incidents by type*	60	72	60	651	714	585
Risk of collision/Loss of separation	10	10	9	120	134	97
Declared emergency	27	27	23	247	265	225
Engine failure	6	8	8	72	79	78
Smoke/Fire	6	9	7	68	72	62
Collision	2	2	2	16	20	13
Other	9	16	11	128	144	111
Number of accidents involving ultralight aircraft	2	3	2	17	24	22
Fatal accidents	0	0	0	2	1	3
Fatalities	0	0	0	2	1	3
Serious injuries	1	0	0	3	6	4

Data extracted November 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.

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.

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 3

Accidents involving Canadian-registered fixed-wing and rotary-wing aircraft by type of operation

	October			Year to date (October)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Number of accidents by operation type	8	14	15	157	177	191
Aeroplane accidents	6	12	12	135	152	164
Training	1	1	1	13	26	20
Pleasure/Travel	3	7	8	78	81	102
Business	0	0	0	7	1	3
Forest fire management	0	0	0	1	0	2
Test/Demonstration/Ferry	0	0	0	1	3	3
Aerial application	0	0	0	5	6	6
Inspection	0	0	0	0	1	0
Air transport	0	3	2	23	24	19
Air ambulance	0	1	0	1	1	1
Sightseeing	0	0	0	1	1	1
Other/Unknown	2	0	0	7	8	9
Helicopter accidents	2	2	2	22	25	27
Training	0	2	1	0	6	3
Pleasure/Travel	1	0	1	6	4	6
Business	0	0	0	1	0	0
Forest fire management	0	0	0	2	2	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	3	1
Inspection	0	0	0	1	0	1
Air transport	0	0	1	3	3	8
Air ambulance	0	0	0	0	1	0
Sightseeing	1	0	0	1	1	0
Other/Unknown	0	0	0	7	5	5
Number of fatal accidents by operation type	1	2	2	19	15	18
Training	0	2	1	0	4	2
Pleasure/Travel	0	0	1	13	6	9
Business	0	0	0	0	0	1
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	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	0	3	3	2
Fatalities	1	3	4	34	23	30
Serious injuries	0	4	2	19	20	20

Data extracted November 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 operation type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

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

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.