

Table 1

Reportable aircraft occurrences

	February			Year to date (February)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of reportable accidents	3	14	11	9	23	21
Accidents in Canada involving Canadian-registered aircraft	3	13	10	9	21	19
Accidents outside Canada involving Canadian-registered aircraft	0	1	1	0	2	2
Accidents in Canada involving foreign-registered aircraft	0	0	0	0	0	1
Number of accidents by operator type	3	14	11	9	23	21
Commercial	2	7	5	7	11	11
Airliner (705)	0	0	0	1	1	1
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	2	1	2	2	3
Aerial work (702)	0	1	0	2	3	2
Foreign/Other (a)	2	4	3	2	5	5
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (b)	1	7	6	2	12	10
Number of accidents by aircraft type	3	14	11	9	23	21
Aeroplane	3	11	8	8	17	16
Helicopter	0	2	2	1	4	3
Ultralight	0	0	0	0	1	1
Other (c)	0	1	0	0	1	0
Number of aircraft involved in accidents*	3	14	11	9	24	22
Aeroplanes	3	11	9	8	18	17
Helicopters	0	2	2	1	4	3
Ultralights	0	0	0	0	1	1
Others (c)	0	1	0	0	1	0
Number of fatal accidents by aircraft type	0	2	1	1	2	1
Aeroplane	0	1	1	1	1	1
Helicopter	0	1	0	0	1	0
Ultralight	0	0	0	0	0	0
Other (c)	0	0	0	0	0	0
Reportable accident fatalities	0	7	2	2	7	2
Reportable accident serious injuries	0	7	2	1	7	3
Accidents in Canada involving foreign-registered aircraft	0	0	0	0	0	1
Fatal accidents	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0
Serious Injuries	0	0	0	0	0	0
Occurrences with a dangerous good release	0	1	0	1	1	0
Number of reportable incidents**	68	77	67	151	156	137
Incidents in Canada involving Canadian-registered aircraft	43	49	50	106	106	103
Incidents outside Canada involving Canadian-registered aircraft	18	17	10	35	33	19
Incidents in Canada involving foreign-registered aircraft	7	13	9	14	21	19
Number of reportable incidents by type	68	77	67	151	156	137
Risk of collision/Loss of separation	5	9	9	20	28	21
Declared emergency	30	36	28	64	72	57
Engine failure	6	6	8	17	11	14
Smoke/Fire	6	9	9	14	17	17
Collision	4	1	1	7	3	2
Other	17	16	13	29	25	25

Data extracted March 19, 2019

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

	February			Year to date (February)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by aircraft and operator type	3	14	10	9	22	19
Aeroplane accidents	3	11	8	8	17	16
Commercial	2	6	4	6	8	7
Airliner (705)	0	0	0	1	1	1
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	2	1	2	2	2
Aerial work (702)	0	0	0	1	0	1
Other	2	4	3	2	5	4
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	5	4	2	9	8
Helicopter accidents	0	2	2	1	4	3
Commercial	0	1	1	1	3	3
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	0	1	1	0	1	1
Other aircraft accidents (b)	0	1	0	0	1	0
Number of fatal accidents by aircraft and operator type	0	2	1	1	2	1
Aeroplane accidents	0	1	1	1	1	1
Commercial	0	0	0	1	0	0
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	1	0	0
Aerial work (702)	0	0	0	0	0	0
Other	0	0	0	0	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	0	1	1	0	1	1
Helicopter accidents	0	1	0	0	1	0
Other aircraft accidents (b)	0	0	0	0	0	0
Accident fatalities	0	7	2	2	7	2
Accident serious injuries	0	7	2	1	7	3
Number of incidents by type*	61	66	60	141	139	122
Risk of collision/Loss of separation	4	9	8	19	26	18
Declared emergency	25	28	25	58	62	51
Engine failure	6	5	7	16	10	13
Smoke/Fire	5	8	8	12	14	15
Collision	4	1	1	7	3	2
Other	17	15	12	29	24	23
Number of accidents involving ultralight aircraft	0	0	0	0	1	1
Fatal accidents	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	1

Data extracted March 19, 2019

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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

	February			Year to date (February)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by operation type	3	13	10	9	21	19
Aeroplane accidents	3	11	8	8	17	16
Training	2	3	2	2	4	4
Pleasure/Travel	1	6	4	2	10	7
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	0	0	0
Inspection	0	0	0	0	0	0
Air transport	0	2	1	3	3	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	1	1	0	2
Helicopter accidents	0	2	2	1	4	3
Training	0	0	0	0	0	1
Pleasure/Travel	0	1	1	0	1	1
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	0	0	0
Inspection	0	0	0	0	0	0
Air transport	0	0	0	0	0	1
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	0	1	3	1
Number of fatal accidents by operation type	0	2	1	1	2	1
Training	0	0	0	0	0	0
Pleasure/Travel	0	2	0	0	2	0
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	0	0	0
Inspection	0	0	0	0	0	0
Air transport	0	0	0	1	0	0
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Fatalities	0	7	2	2	7	2
Serious injuries	0	7	2	1	7	3

Data extracted March 19, 2019

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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.