

Table 1

Reportable aircraft occurrences

	March			Year to date (March)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of reportable accidents	13	12	13	22	35	34
Accidents in Canada involving Canadian-registered aircraft	12	11	12	21	32	31
Accidents outside Canada involving Canadian-registered aircraft	1	1	0	1	3	2
Accidents in Canada involving foreign-registered aircraft	0	0	1	0	0	1
Number of accidents by operator type	13	12	13	22	35	34
Commercial	5	2	5	12	13	15
Airliner (705)	0	1	1	1	2	1
Commuter (704)	0	0	1	0	0	1
Air taxi (703)	2	0	2	4	2	5
Aerial work (702)	1	0	0	3	3	2
Foreign/Other (a)	2	1	2	4	6	7
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (b)	8	10	9	10	22	19
Number of accidents by aircraft type	13	12	13	22	35	34
Aeroplane	10	11	10	18	28	26
Helicopter	3	1	2	4	5	5
Ultralight	0	0	1	0	1	2
Other (c)	0	0	0	0	1	1
Number of aircraft involved in accidents*	13	12	14	22	36	36
Aeroplanes	10	11	11	18	29	28
Helicopters	3	1	2	4	5	5
Ultralights	0	0	1	0	1	2
Others (c)	0	0	0	0	1	1
Number of fatal accidents by aircraft type	3	0	1	4	2	2
Aeroplane	2	0	1	3	1	2
Helicopter	1	0	0	1	1	0
Ultralight	0	0	0	0	0	0
Other (c)	0	0	0	0	0	0
Reportable accident fatalities	4	0	2	6	7	5
Reportable accident serious injuries	1	1	1	2	8	4
Accidents in Canada involving foreign-registered aircraft	0	0	1	0	0	1
Fatal accidents	0	0	0	0	0	0
Fatalities	0	0	1	0	0	1
Serious Injuries	0	0	0	0	0	0
Occurrences with a dangerous good release	0	0	0	1	1	0
Number of reportable incidents**	70	60	67	222	216	204
Incidents in Canada involving Canadian-registered aircraft	45	42	50	153	148	152
Incidents outside Canada involving Canadian-registered aircraft	18	11	9	52	44	28
Incidents in Canada involving foreign-registered aircraft	8	8	9	22	29	28
Number of reportable incidents by type	70	60	67	222	216	204
Risk of collision/Loss of separation	12	12	9	32	40	31
Declared emergency	22	22	29	86	94	86
Engine failure	9	6	8	27	17	22
Smoke/Fire	10	7	8	24	24	25
Collision	2	2	2	9	5	4
Other	15	11	12	44	36	37

Data extracted 16 April 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

	March			Year to date (March)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by aircraft and operator type	13	12	11	22	34	31
Aeroplane accidents	10	11	9	18	28	25
Commercial	3	2	3	9	10	11
Airliner (705)	0	1	1	1	2	1
Commuter (704)	0	0	1	0	0	1
Air taxi (703)	1	0	1	3	2	2
Aerial work (702)	0	0	0	1	0	1
Other	2	1	1	4	6	6
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	7	9	6	9	18	14
Helicopter accidents	3	1	2	4	5	5
Commercial	2	0	1	3	3	4
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	1	1	0	1	2	1
Other aircraft accidents (b)	0	0	0	0	1	1
Number of fatal accidents by aircraft and operator type	3	0	1	4	2	2
Aeroplane accidents	2	0	1	3	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	2	0	0	2	1	1
Helicopter accidents	1	0	0	1	1	0
Other aircraft accidents (b)	0	0	0	0	0	0
Accident fatalities	4	0	1	6	7	3
Accident serious injuries	1	1	1	2	8	3
Number of incidents by type*	63	53	59	205	192	181
Risk of collision/Loss of separation	11	12	9	30	38	27
Declared emergency	20	17	24	78	79	74
Engine failure	8	5	7	25	15	20
Smoke/Fire	8	7	7	20	21	22
Collision	1	2	1	8	5	3
Other	15	10	11	44	34	34
Number of accidents involving ultralight aircraft	0	0	1	0	1	2
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 16 April 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

	March			Year to date (March)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by operation type	13	12	11	22	33	30
Aeroplane accidents	10	11	9	18	28	25
Training	3	1	2	5	5	6
Pleasure/Travel	5	6	5	7	16	12
Business	0	2	0	0	2	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	1	1	2	4	4	4
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	1	1	2	1	2
Helicopter accidents	3	1	2	4	5	5
Training	0	0	0	0	0	1
Pleasure/Travel	1	1	0	1	2	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	2	0	1	2	0	1
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	1	1	3	2
Number of fatal accidents by operation type	3	0	1	4	2	2
Training	0	0	0	0	0	0
Pleasure/Travel	2	0	0	2	2	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	1	0	0
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	0	1	0	0
Fatalities	4	0	1	6	7	3
Serious injuries	1	1	1	2	8	3

Data extracted 16 April 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.