

Table 1

Reportable aircraft occurrences

	May			Year to date (May)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of reportable accidents	21	25	27	51	70	75
Accidents in Canada involving Canadian-registered aircraft	17	23	25	46	64	68
Accidents outside Canada involving Canadian-registered aircraft	1	1	1	2	5	4
Accidents in Canada involving foreign-registered aircraft	3	1	1	3	2	3
Number of accidents by operator type¹	21	25	27	51	70	75
Commercial	7	7	9	22	22	29
Airliner (CAR 705)	2	0	1	3	2	2
Commuter (CAR 704)	2	0	0	2	0	1
Air taxi (CAR 703)	0	2	3	6	5	10
Aerial work (CAR 702)	2	3	3	5	6	5
Foreign air operator (CAR 701)	0	0	0	0	0	0
Flight training units (CAR 406)	1	2	2	6	8	11
Other commercial	0	0	0	0	1	1
Private	13	18	18	28	48	44
Private operators (CAR 604)	1	0	0	1	2	1
Recreational	11	16	17	26	44	41
Other private	1	2	1	1	3	2
State	0	0	0	0	0	0
Other/Unknown	1	0	0	1	0	1
Number of accidents by aircraft type¹	21	25	27	51	70	75
Aeroplane	14	20	21	37	57	58
Helicopter	3	2	3	8	7	9
Ultralight	3	2	2	4	4	6
Other ²	1	1	1	2	2	2
Number of aircraft involved in accidents^{1,3}	21	25	27	51	72	77
Aeroplanes	14	20	22	37	59	60
Helicopters	3	2	3	8	7	9
Ultralights	3	2	2	4	4	6
Other ²	1	1	1	2	2	2
Number of fatal accidents by aircraft type¹	4	1	2	8	3	5
Aeroplane	3	1	2	6	2	4
Helicopter	0	0	0	1	1	0
Ultralight	1	0	0	1	0	0
Other ²	0	0	0	0	0	0
Reportable accident fatalities	7	2	3	14	9	9
Reportable accident serious injuries	1	1	2	2	9	7
Accidents in Canada involving foreign-registered aircraft	3	1	1	3	2	3
Fatal accidents	2	0	0	2	0	0
Fatalities	3	0	0	3	0	2
Serious Injuries	1	1	0	1	1	0
Occurrences with a dangerous good release	0	0	1	1	2	1
Number of reportable incidents⁴	74	59	62	371	335	324
Incidents in Canada involving Canadian-registered aircraft	53	44	46	263	238	244
Incidents outside Canada involving Canadian-registered aircraft	15	11	9	80	65	44
Incidents in Canada involving foreign-registered aircraft	10	4	8	42	38	45
Number of reportable incidents by category⁴	74	59	62	371	335	324
Risk of collision / Loss of separation	12	5	9	52	53	49
Declared emergency	29	27	23	146	149	134
Engine failure	9	8	10	48	32	38
Smoke / Fire	8	5	7	42	34	36
Collision	5	1	1	14	8	6
Other	11	13	13	69	59	62

Data extracted 17 June 2019

¹ Breakdowns may not add up to totals. For example, when an occurrence involves an airplane and a helicopter, the occurrence is counted in each type, but only once in the total.

² Includes balloons, gyroplanes, gliders, airships, hang gliders, unmanned aerial vehicles (UAV) and similar aircraft types.

³ "Number of aircraft involved in accidents" are aircraft counts, all other data are accident counts.

⁴ New TSB regulations came into effect on 1 July 2014. Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5 700 kg); b) aircraft being operated under an air operator certificate issued under CARs Part VII.

Table 2

Occurrences involving Canadian-registered aircraft

	May			Year to date (May)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by aircraft and operator type	15	22	24	44	65	67
Aeroplane accidents	12	19	21	35	56	56
Commercial	6	6	6	18	18	21
Airliner (CAR 705)	2	0	1	3	2	2
Commuter (CAR 704)	2	0	0	2	0	1
Air taxi (CAR 703)	0	2	3	5	5	6
Aerial work (CAR 702)	1	2	2	2	2	3
Flight training units (CAR 406)	1	2	1	6	8	10
Other commercial	0	0	0	0	1	0
Private	5	13	14	16	38	34
Private operators (CAR 604)	1	0	0	1	2	1
Recreational	4	13	14	15	36	32
Other private	0	0	0	0	0	1
State	0	0	0	0	0	0
Other/Unknown	1	0	0	1	0	1
Helicopter accidents	2	2	3	7	7	9
Commercial	1	1	2	4	4	7
Private	1	1	1	3	3	2
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	1	1	1	2	2	2
Number of fatal accidents by aircraft and operator type^{1,2}	1	1	2	5	3	4
Aeroplane accidents	1	1	2	4	2	4
Commercial	0	0	1	1	0	1
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	0	0	0	1	0	0
Aerial work (CAR 702)	0	0	0	0	0	1
Flight training units (CAR 406)	0	0	0	0	0	0
Other commercial	0	0	0	0	0	0
Private	1	1	1	3	2	3
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	1	1	1	3	2	2
Other private	0	0	0	0	0	0
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Helicopter accidents	0	0	0	1	1	0
Commercial	0	0	0	0	0	0
Private	0	0	0	1	1	0
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	0	0	0
Accident fatalities²	2	2	3	9	9	7
Accident serious injuries²	0	0	1	1	8	5
Number of incidents by category^{2,4}	68	55	55	343	303	288
Risk of collision/Loss of separation	11	5	7	49	51	43
Declared emergency	26	25	21	131	131	117
Engine failure	8	7	8	45	28	34
Smoke/Fire	8	5	7	38	30	33
Collision	4	0	1	12	6	5
Other	11	13	11	68	57	56
Number of accidents involving ultralight aircraft	3	2	2	4	4	5
Fatal accidents	1	0	0	1	0	0
Fatalities	2	0	0	2	0	0
Serious injuries	0	0	1	0	0	2

Data extracted 17 June 2019

¹ Breakdowns may not add up to totals. For example, when an occurrence involves an airplane and a helicopter, the occurrence is counted in each type, but only once in the total.

² Excludes ultralight aircraft

³ Includes balloons, gyroplanes, gliders, airships, hang gliders, unmanned aerial vehicles (UAV) and similar aircraft types.

⁴ New TSB regulations came into effect on 1 July 2014. Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5 700 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

	May			Year to date (May)		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Number of accidents by operation type	14	21	24	42	63	65
Aeroplane accidents	12	19	21	35	56	56
Training	2	2	1	8	8	11
Pleasure/Travel	4	11	13	13	32	30
Business	0	1	0	2	3	2
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	1	0
Aerial application	0	1	1	0	1	1
Inspection	0	0	0	0	0	0
Air transport	4	2	3	8	8	8
Air ambulance	0	0	0	1	0	0
Sightseeing	0	1	0	0	1	0
Other/Unknown	2	1	1	3	2	4
Helicopter accidents	2	2	3	7	7	9
Training	1	0	1	1	0	2
Pleasure/Travel	0	0	0	2	2	2
Business	0	0	0	0	0	0
Forest fire management	1	0	0	1	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	2	0	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	2	1	1	5	3
Number of fatal accidents by operation type	1	1	2	5	3	4
Training	0	0	0	0	0	0
Pleasure/Travel	1	1	1	3	3	2
Business	0	0	0	1	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	1
Fatalities	2	2	3	9	9	7
Serious injuries	0	0	1	1	8	5

Data extracted 17 June 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 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.