

Table 1

Reportable aircraft occurrences

	June			Year to date (June)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of reportable accidents	24	36	29	70	88	99
Accidents in Canada involving Canadian-registered aircraft	24	35	28	69	82	91
Accidents outside Canada involving Canadian-registered aircraft	0	0	0	1	2	4
Accidents in Canada involving foreign-registered aircraft	0	1	1	0	4	5
Number of accidents by operator type¹	24	36	29	70	88	99
Commercial	4	12	8	22	35	35
Airline (CAR 705)	0	0	0	3	3	2
Commuter (CAR 704)	1	1	0	3	3	2
Air taxi (CAR 703)	0	4	3	7	10	11
Aerial work (CAR 702)	0	3	2	3	9	7
Foreign air operator (CAR 701)	0	0	0	0	0	0
Flight training units (CAR 406)	3	4	2	6	10	13
Other commercial	0	0	0	0	0	0
Private	20	24	22	47	53	63
Private operators (CAR 604)	0	1	1	3	2	1
Recreational	20	23	20	43	50	58
Other private	0	0	1	1	1	3
State	0	0	0	0	0	0
Other/Unknown	0	0	0	1	0	1
Number of accidents by aircraft type¹	24	36	29	70	88	99
Aeroplane	19	30	22	52	66	77
Helicopter	0	5	4	7	13	12
Ultralight	5	1	3	11	7	8
Other ²	0	0	1	0	2	2
Number of aircraft involved in accidents^{1,3}	25	36	30	72	88	102
Aeroplanes	20	30	23	54	66	80
Helicopters	0	5	4	7	13	12
Ultralights	5	1	3	11	7	8
Other ²	0	0	1	0	2	2
Number of fatal accidents by aircraft type¹	2	2	3	6	11	9
Aeroplane	1	2	2	3	8	7
Helicopter	0	0	0	0	1	0
Ultralight	1	0	0	3	2	1
Other ²	0	0	0	0	0	0
Reportable accident fatalities	2	4	4	7	21	16
Reportable accident serious injuries	0	6	3	5	10	9
Accidents in Canada involving foreign-registered aircraft	0	1	1	0	4	5
Fatal accidents	0	0	0	0	2	1
Fatalities	0	0	0	0	3	3
Serious Injuries	0	0	0	0	1	1
Occurrences with a dangerous good release	0	1	1	0	2	2
Number of reportable incidents⁴	27	77	71	259	452	413
Incidents in Canada involving Canadian-registered aircraft	23	54	54	183	319	308
Incidents outside Canada involving Canadian-registered aircraft	2	14	10	50	96	64
Incidents in Canada involving foreign-registered aircraft	2	11	10	33	53	53
Number of reportable incidents by category⁴	27	77	71	259	452	413
Risk of collision / Loss of separation	1	11	12	35	63	64
Declared emergency	14	30	29	112	176	167
Engine failure	6	8	8	28	58	49
Smoke / Fire	2	6	6	19	48	44
Collision	1	5	1	4	19	9
Other	3	17	14	61	88	79

Data extracted 16 July 2020

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

	June			Year to date (June)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by aircraft and operator type	19	34	25	59	77	87
Aeroplane accidents	19	29	21	52	63	73
Commercial	4	9	5	18	28	26
Airliner (CAR 705)	0	0	0	3	3	2
Commuter (CAR 704)	1	1	0	3	3	2
Air taxi (CAR 703)	0	3	2	4	8	7
Aerial work (CAR 702)	0	1	1	2	4	4
Flight training units (CAR 406)	3	4	2	6	10	11
Other commercial	0	0	0	0	0	0
Private	15	20	16	34	35	47
Private operators (CAR 604)	0	1	1	2	2	1
Recreational	15	19	15	32	33	44
Other private	0	0	0	0	0	1
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	1
Helicopter accidents	0	5	4	7	12	12
Commercial	0	3	2	4	7	8
Private	0	2	2	3	5	4
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	1	0	2	2
Number of fatal accidents by aircraft and operator type^{1,2}	1	2	2	3	7	7
Aeroplane accidents	1	2	2	3	6	6
Commercial	0	0	0	0	2	2
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	0	1	1
Aerial work (CAR 702)	0	0	0	0	1	1
Flight training units (CAR 406)	0	0	0	0	0	1
Other commercial	0	0	0	0	0	0
Private	1	2	2	3	4	5
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	1	2	2	3	4	5
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	0	1	0
Commercial	0	0	0	0	0	0
Private	0	0	0	0	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	1	4	3	4	15	12
Accident serious injuries²	0	4	2	2	6	6
Number of incidents by category^{2,4}	25	68	64	233	415	372
Risk of collision/Loss of separation	1	10	11	35	59	58
Declared emergency	13	24	25	95	155	147
Engine failure	5	7	7	25	54	45
Smoke/Fire	2	5	5	16	43	40
Collision	1	5	1	4	17	8
Other	3	17	13	58	87	74
Number of accidents involving ultralight aircraft	5	1	3	11	7	7
Fatal accidents	1	0	0	3	2	1
Fatalities	1	0	0	3	3	1
Serious injuries	0	2	1	3	3	2

Data extracted 16 July 2020

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

	June			Year to date (June)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by operation type	19	34	25	59	75	85
Aeroplane accidents	19	29	21	52	63	73
Training	4	5	3	7	13	13
Pleasure/Travel	13	20	14	28	32	41
Business	1	0	0	3	2	2
Forest fire management	0	0	0	1	0	0
Test/Demonstration/Ferry	0	0	0	1	0	0
Aerial application	0	0	0	1	0	1
Inspection	0	0	0	0	0	0
Air transport	1	4	2	9	12	10
Air ambulance	0	0	0	1	1	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	1	1	3	5
Helicopter accidents	0	5	4	7	12	12
Training	0	0	0	0	1	2
Pleasure/Travel	0	2	1	2	4	3
Business	0	0	0	0	0	0
Forest fire management	0	0	0	1	1	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	1	0	0	1	0
Inspection	0	0	0	0	0	0
Air transport	0	1	0	1	3	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	1	3	2	4
Number of fatal accidents by operation type	1	2	2	3	7	7
Training	0	0	0	0	0	1
Pleasure/Travel	1	2	2	3	4	5
Business	0	0	0	0	1	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	1	1
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	0	1	1
Fatalities	1	4	3	4	15	12
Serious injuries	0	4	2	2	6	6

Data extracted 16 July 2020

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.