

Table 1
Reportable aircraft occurrences

	August			Year to date (August)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of reportable accidents	22	36	29	126	180	169
Accidents in Canada involving Canadian-registered aircraft	21	36	28	121	167	156
Accidents outside Canada involving Canadian-registered aircraft	1	0	0	5	6	6
Accidents in Canada involving foreign-registered aircraft	0	1	1	0	8	7
Number of accidents by operator type¹	22	36	29	126	180	169
Commercial	9	11	8	39	67	56
Airliner (CAR 705)	0	1	1	3	7	4
Commuter (CAR 704)	0	0	0	3	3	2
Air taxi (CAR 703)	1	6	4	9	22	18
Aerial work (CAR 702)	4	3	2	13	18	14
Foreign air operator (CAR 701)	0	1	0	0	1	1
Flight training units (CAR 406)	4	1	1	11	17	16
Other commercial	0	0	0	0	0	0
Private	13	24	20	85	112	111
Private operators (CAR 604)	0	0	0	3	3	2
Recreational	13	21	19	80	104	104
Other private	0	3	2	2	5	6
State	0	1	0	0	1	0
Other/Unknown	0	0	0	2	0	2
Number of accidents by aircraft type¹	22	36	29	126	180	169
Aeroplane	17	28	21	94	139	130
Helicopter	4	5	3	14	24	20
Ultralight	1	2	3	14	12	14
Other ²	0	1	2	4	6	5
Number of aircraft involved in accidents^{1,3}	22	37	29	128	182	172
Aeroplanes	17	29	21	96	140	133
Helicopters	4	5	3	14	24	20
Ultralights	1	2	3	14	12	14
Other ²	0	1	2	4	6	5
Number of fatal accidents by aircraft type¹	1	4	3	10	25	17
Aeroplane	0	4	3	5	20	14
Helicopter	1	0	0	2	2	1
Ultralight	0	0	0	3	3	2
Other ²	0	0	0	0	1	0
Reportable accident fatalities	1	5	5	13	51	31
Reportable accident serious injuries	1	8	4	15	31	19
Accidents in Canada involving foreign-registered aircraft	0	1	1	0	8	7
Fatal accidents	0	0	0	0	3	1
Fatalities	0	0	0	0	4	3
Serious Injuries	0	0	0	0	1	1
Occurrences with a dangerous good release	0	1	2	1	4	5
Number of reportable incidents⁴	25	91	83	332	618	583
Incidents in Canada involving Canadian-registered aircraft	20	68	62	248	442	437
Incidents outside Canada involving Canadian-registered aircraft	4	21	14	55	129	91
Incidents in Canada involving foreign-registered aircraft	1	8	12	36	73	76
Number of reportable incidents by category⁴	25	91	83	332	618	583
Risk of collision / Loss of separation	3	16	17	40	92	96
Declared emergency	9	42	32	139	245	227
Engine failure	2	7	8	42	72	70
Smoke / Fire	1	4	8	22	57	61
Collision	2	1	2	6	24	14
Other	8	21	16	83	128	115

Data extracted 16 September 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

	August			Year to date (August)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by aircraft and operator type	21	34	25	112	161	148
Aeroplane accidents	17	28	20	94	133	124
Commercial	6	7	6	31	54	42
Airliner (CAR 705)	0	1	1	3	7	4
Commuter (CAR 704)	0	0	0	3	3	2
Air taxi (CAR 703)	1	5	3	6	18	13
Aerial work (CAR 702)	1	0	1	8	9	8
Flight training units (CAR 406)	4	1	1	11	17	15
Other commercial	0	0	0	0	0	0
Private	11	20	15	63	78	82
Private operators (CAR 604)	0	0	0	2	3	2
Recreational	11	18	14	60	72	77
Other private	0	2	1	1	3	3
State	0	1	0	0	1	0
Other/Unknown	0	0	0	0	0	1
Helicopter accidents	4	5	3	14	23	19
Commercial	3	4	2	8	13	13
Private	1	1	1	6	10	6
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	1	2	4	6	5
Number of fatal accidents by aircraft and operator type^{1,2}	1	4	3	7	19	14
Aeroplane accidents	0	4	3	5	17	13
Commercial	0	1	1	0	6	4
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	0	1	1	0	5	2
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	0	3	1	5	11	9
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	0	3	1	5	11	9
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	1	0	0	2	2	1
Commercial	1	0	0	1	0	0
Private	0	0	0	1	2	1
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	0	0	0	1	0
Accident fatalities²	1	5	5	10	42	26
Accident serious injuries²	1	8	4	11	26	15
Number of incidents by category^{2,4}	24	89	75	303	571	528
Risk of collision/Loss of separation	3	15	16	39	86	89
Declared emergency	8	41	29	121	219	201
Engine failure	2	7	7	39	66	64
Smoke/Fire	1	4	6	19	52	54
Collision	2	1	2	6	22	13
Other	8	21	16	79	126	108
Number of accidents involving ultralight aircraft	1	2	3	14	12	14
Fatal accidents	0	0	0	3	3	2
Fatalities	0	0	0	3	5	2
Serious injuries	0	0	0	4	4	3

Data extracted 16 September 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

	August			Year to date (August)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by operation type	21	33	24	108	156	144
Aeroplane accidents	17	28	20	94	133	124
Training	5	0	1	14	20	17
Pleasure/Travel	9	16	13	50	66	72
Business	1	0	0	4	3	2
Forest fire management	0	1	0	1	2	1
Test/Demonstration/Ferry	1	2	1	2	2	2
Aerial application	0	0	1	7	5	5
Inspection	0	0	0	0	0	0
Air transport	0	5	3	10	25	17
Air ambulance	0	0	0	1	1	0
Sightseeing	0	2	1	0	2	1
Other/Unknown	1	2	1	5	7	7
Helicopter accidents	4	5	3	14	23	19
Training	0	0	0	0	1	2
Pleasure/Travel	1	1	1	5	8	5
Business	0	0	0	0	1	0
Forest fire management	0	0	0	1	1	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	1	2	1	2	3	2
Inspection	0	0	0	0	0	0
Air transport	0	2	1	1	7	4
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	2	0	0	5	2	4
Number of fatal accidents by operation type	1	4	3	7	19	14
Training	0	0	0	1	0	1
Pleasure/Travel	0	2	1	5	10	8
Business	0	0	0	0	1	0
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	1	0	0	1	0
Aerial application	0	0	0	0	0	1
Inspection	0	0	0	0	0	0
Air transport	0	1	1	0	5	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	0	1	2	1
Fatalities	1	5	5	10	42	25
Serious injuries	1	8	4	10	26	15

Data extracted 16 September 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.