

Table 1
Reportable aircraft occurrences

	October			Year to date (October)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of reportable accidents	11	10	15	155	216	213
Accidents in Canada involving Canadian-registered aircraft	11	10	14	150	202	196
Accidents outside Canada involving Canadian-registered aircraft	0	0	1	5	7	9
Accidents in Canada involving foreign-registered aircraft	0	0	0	0	8	8
Number of accidents by operator type¹	11	10	15	155	216	213
Commercial	3	5	5	45	81	69
Airliner (CAR 705)	0	0	0	3	7	6
Commuter (CAR 704)	0	0	0	3	3	3
Air taxi (CAR 703)	0	2	2	9	26	23
Aerial work (CAR 702)	0	1	1	13	21	17
Foreign air operator (CAR 701)	0	0	0	0	1	1
Flight training units (CAR 406)	3	2	1	17	24	20
Other commercial	0	0	0	0	0	1
Private	7	5	10	107	134	142
Private operators (CAR 604)	0	0	1	2	3	3
Recreational	6	5	9	101	126	133
Other private	1	0	0	4	5	7
State	0	0	0	0	1	1
Other/Unknown	1	0	0	3	0	2
Number of accidents by aircraft type¹	11	10	15	155	216	213
Aeroplane	9	9	11	118	167	162
Helicopter	1	0	2	15	26	25
Ultralight	0	1	2	17	18	20
Other ²	1	0	1	5	6	7
Number of aircraft involved in accidents^{1,3}	11	10	16	157	219	218
Aeroplanes	9	9	11	120	169	166
Helicopters	1	0	2	15	26	25
Ultralights	0	1	2	17	18	20
Other ²	1	0	1	5	6	7
Number of fatal accidents by aircraft type¹	0	1	3	11	30	24
Aeroplane	0	1	2	6	24	18
Helicopter	0	0	1	2	3	3
Ultralight	0	0	0	3	3	3
Other ²	0	0	0	0	1	1
Reportable accident fatalities	0	3	5	15	59	41
Reportable accident serious injuries	0	0	2	17	31	26
Accidents in Canada involving foreign-registered aircraft	0	0	0	0	8	8
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	2	0	1	7	6
Number of reportable incidents⁴	18	63	69	381	755	718
Incidents in Canada involving Canadian-registered aircraft	12	46	49	287	546	538
Incidents outside Canada involving Canadian-registered aircraft	3	11	13	61	149	112
Incidents in Canada involving foreign-registered aircraft	3	7	8	40	90	92
Number of reportable incidents by category⁴	18	63	69	381	755	718
Risk of collision / Loss of separation	0	7	9	44	113	118
Declared emergency	10	25	28	167	302	281
Engine failure	3	6	9	47	85	88
Smoke / Fire	2	10	8	24	76	76
Collision	0	1	2	8	28	18
Other	3	14	12	91	151	137

Data extracted 17 November 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

	October			Year to date (October)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by aircraft and operator type	11	9	13	138	191	186
Aeroplane accidents	9	9	11	118	161	155
Commercial	3	4	3	37	65	51
Airliner (CAR 705)	0	0	0	3	7	6
Commuter (CAR 704)	0	0	0	3	3	3
Air taxi (CAR 703)	0	2	1	6	21	15
Aerial work (CAR 702)	0	1	1	8	11	9
Flight training units (CAR 406)	3	1	1	17	23	17
Other commercial	0	0	0	0	0	0
Private	6	5	7	81	95	104
Private operators (CAR 604)	0	0	1	2	3	3
Recreational	5	5	7	76	89	98
Other private	1	0	0	3	3	4
State	0	0	0	0	1	1
Other/Unknown	0	0	0	0	0	1
Helicopter accidents	1	0	2	15	25	25
Commercial	0	0	1	8	15	17
Private	1	0	1	7	10	8
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	1	0	1	5	6	7
Number of fatal accidents by aircraft and operator type^{1,2}	0	1	2	8	24	20
Aeroplane accidents	0	1	2	6	21	17
Commercial	0	1	1	0	8	5
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	0	1	0	0	6	2
Aerial work (CAR 702)	0	0	0	0	1	2
Flight training units (CAR 406)	0	0	0	0	1	1
Other commercial	0	0	0	0	0	0
Private	0	0	1	6	13	12
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	0	0	1	6	13	11
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	1	2	3	3
Commercial	0	0	0	1	1	2
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	1
Accident fatalities²	0	3	4	12	50	35
Accident serious injuries²	0	0	2	13	26	21
Number of incidents by category^{2,4}	15	57	62	348	695	650
Risk of collision/Loss of separation	0	7	9	43	106	110
Declared emergency	9	20	24	148	266	247
Engine failure	2	6	8	42	79	80
Smoke/Fire	1	9	7	20	69	68
Collision	0	1	2	8	26	16
Other	3	14	12	87	149	129
Number of accidents involving ultralight aircraft	0	1	2	17	18	19
Fatal accidents	0	0	0	3	3	3
Fatalities	0	0	0	3	5	3
Serious injuries	0	0	0	4	4	3

Data extracted 17 November 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

	October			Year to date (October)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by operation type	10	9	13	133	186	180
Aeroplane accidents	9	9	11	118	161	155
Training	3	1	1	20	27	20
Pleasure/Travel	5	3	6	67	78	91
Business	0	1	0	4	4	3
Forest fire management	0	0	0	1	2	1
Test/Demonstration/Ferry	0	0	0	2	3	2
Aerial application	0	0	0	8	6	6
Inspection	0	0	0	0	0	0
Air transport	0	2	2	10	28	22
Air ambulance	0	0	0	1	1	1
Sightseeing	0	0	0	0	2	1
Other/Unknown	1	2	1	5	10	9
Helicopter accidents	1	0	2	15	25	25
Training	0	0	0	0	1	3
Pleasure/Travel	1	0	0	6	8	7
Business	0	0	0	0	1	1
Forest fire management	0	0	0	1	1	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	2	3	2
Inspection	0	0	0	0	0	0
Air transport	0	0	1	1	9	6
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	5	2	5
Number of fatal accidents by operation type	0	1	2	8	24	20
Training	0	0	1	1	1	1
Pleasure/Travel	0	0	1	6	12	11
Business	0	0	0	0	1	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	1	1
Aerial application	0	0	0	0	0	1
Inspection	0	0	0	0	0	0
Air transport	0	1	0	0	7	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	1	2	2
Fatalities	0	3	4	12	50	34
Serious injuries	0	0	2	12	26	21

Data extracted 17 November 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.