

Table 1
Reportable aircraft occurrences

	July			Year to date (July)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of reportable accidents	30	55	41	100	143	140
Accidents in Canada involving Canadian-registered aircraft	28	48	37	97	130	128
Accidents outside Canada involving Canadian-registered aircraft	2	4	2	3	6	6
Accidents in Canada involving foreign-registered aircraft	0	3	2	0	7	6
Number of accidents by operator type¹	30	55	41	100	143	140
Commercial	7	21	13	29	56	48
Airliner (CAR 705)	0	3	1	3	6	4
Commuter (CAR 704)	0	0	0	3	3	2
Air taxi (CAR 703)	1	6	4	8	16	15
Aerial work (CAR 702)	5	6	5	8	15	12
Foreign air operator (CAR 701)	0	0	0	0	0	0
Flight training units (CAR 406)	1	6	2	7	16	15
Other commercial	0	0	0	0	0	0
Private	23	34	28	70	87	91
Private operators (CAR 604)	0	1	0	3	3	2
Recreational	22	32	27	65	82	85
Other private	1	1	1	2	2	4
State	0	0	0	0	0	0
Other/Unknown	0	0	0	1	0	1
Number of accidents by aircraft type¹	30	55	41	100	143	140
Aeroplane	22	45	32	74	111	109
Helicopter	3	6	4	10	19	17
Ultralight	2	3	4	13	10	11
Other ²	3	2	1	3	4	3
Number of aircraft involved in accidents^{1,3}	30	56	41	102	144	143
Aeroplanes	22	45	32	76	111	111
Helicopters	3	6	4	10	19	17
Ultralights	2	3	4	13	10	11
Other ²	3	2	1	3	4	3
Number of fatal accidents by aircraft type¹	3	10	6	9	21	14
Aeroplane	2	8	4	5	16	11
Helicopter	1	1	1	1	2	1
Ultralight	0	1	1	3	3	2
Other ²	0	1	0	0	1	0
Reportable accident fatalities	5	25	10	12	46	26
Reportable accident serious injuries	8	13	6	13	23	15
Accidents in Canada involving foreign-registered aircraft	0	3	2	0	7	6
Fatal accidents	0	1	0	0	3	1
Fatalities	0	1	0	0	4	3
Serious Injuries	0	0	0	0	1	1
Occurrences with a dangerous good release	1	1	1	1	3	3
Number of reportable incidents⁴	47	75	87	307	527	500
Incidents in Canada involving Canadian-registered aircraft	44	55	68	228	374	376
Incidents outside Canada involving Canadian-registered aircraft	1	12	13	51	108	77
Incidents in Canada involving foreign-registered aircraft	2	12	10	35	65	63
Number of reportable incidents by category⁴	47	75	87	307	527	500
Risk of collision / Loss of separation	2	13	16	37	76	80
Declared emergency	18	27	28	130	203	195
Engine failure	11	7	12	40	65	61
Smoke / Fire	2	5	8	21	53	52
Collision	0	4	3	4	23	12
Other	14	19	20	75	107	99

Data extracted 17 August 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

	July			Year to date (July)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by aircraft and operator type	28	49	35	87	126	123
Aeroplane accidents	22	42	30	74	105	104
Commercial	6	19	10	24	47	36
Airliner (CAR 705)	0	3	1	3	6	4
Commuter (CAR 704)	0	0	0	3	3	2
Air taxi (CAR 703)	1	5	3	5	13	10
Aerial work (CAR 702)	4	5	4	6	9	7
Flight training units (CAR 406)	1	6	2	7	16	13
Other commercial	0	0	0	0	0	0
Private	16	23	20	50	58	67
Private operators (CAR 604)	0	1	0	2	3	2
Recreational	15	21	19	47	54	63
Other private	1	1	1	1	1	2
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	1
Helicopter accidents	3	6	4	10	18	16
Commercial	1	2	3	5	9	11
Private	2	4	1	5	9	5
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	3	2	1	3	4	3
Number of fatal accidents by aircraft and operator type^{1,2}	3	8	5	6	15	12
Aeroplane accidents	2	7	4	5	13	10
Commercial	0	3	1	0	5	3
Airliner (CAR 705)	0	0	0	0	0	0
Commuter (CAR 704)	0	0	0	0	0	0
Air taxi (CAR 703)	0	3	1	0	4	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	2	4	3	5	8	8
Private operators (CAR 604)	0	0	0	0	0	0
Recreational	2	4	3	5	8	7
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	1	1	1	2	1
Commercial	0	0	0	0	0	0
Private	1	1	0	1	2	1
State	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0
Other aircraft accidents ³	0	1	0	0	1	0
Accident fatalities²	5	22	8	9	37	21
Accident serious injuries²	7	12	5	9	18	12
Number of incidents by category^{2,4}	45	67	81	279	482	453
Risk of collision/Loss of separation	1	12	15	36	71	73
Declared emergency	18	23	25	113	178	172
Engine failure	11	5	12	37	59	56
Smoke/Fire	2	5	8	18	48	48
Collision	0	4	3	4	21	11
Other	13	18	18	71	105	92
Number of accidents involving ultralight aircraft	2	3	4	13	10	11
Fatal accidents	0	1	1	3	3	2
Fatalities	0	2	1	3	5	2
Serious injuries	1	1	1	4	4	3

Data extracted 17 August 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

	July			Year to date (July)		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Number of accidents by operation type	25	48	35	84	123	120
Aeroplane accidents	22	42	30	74	105	104
Training	2	7	2	9	20	15
Pleasure/Travel	11	18	18	39	50	59
Business	0	1	0	3	3	2
Forest fire management	0	1	0	1	1	1
Test/Demonstration/Ferry	0	0	0	1	0	1
Aerial application	5	5	3	6	5	4
Inspection	0	0	0	0	0	0
Air transport	1	8	4	10	20	15
Air ambulance	0	0	0	1	1	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	3	2	1	4	5	6
Helicopter accidents	3	6	4	10	18	16
Training	0	0	0	0	1	2
Pleasure/Travel	2	3	1	4	7	4
Business	0	1	0	0	1	0
Forest fire management	0	0	1	1	1	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	1	0	1	1	1	1
Inspection	0	0	0	0	0	0
Air transport	0	2	1	1	5	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	3	2	4
Number of fatal accidents by operation type	3	8	5	6	15	11
Training	1	0	0	1	0	1
Pleasure/Travel	2	4	3	5	8	7
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	1	0	0	1
Inspection	0	0	0	0	0	0
Air transport	0	3	1	0	4	2
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	0	0	2	1
Fatalities	5	22	8	9	37	21
Serious injuries	6	12	5	8	18	11

Data extracted 17 August 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.