

Table 1

Reportable aircraft occurrences

	May			Year to date (May)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of reportable accidents	24	28	31	71	74	81
Accidents in Canada involving Canadian-registered aircraft	23	25	29	64	64	75
Accidents outside Canada involving Canadian-registered aircraft	1	1	1	5	4	3
Accidents in Canada involving foreign-registered aircraft	0	2	2	2	6	4
Number of accidents by operator type	24	28	31	71	74	81
Commercial	13	5	8	39	23	28
Airliner (705)	1	0	1	2	0	2
Commuter (704)	0	0	0	3	1	1
Air taxi (703)	6	3	4	12	11	11
Aerial work (702)	3	2	2	4	3	4
Foreign/Other (a)	3	0	2	18	9	10
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	1
Private/Other (b)	11	23	22	32	51	52
Number of accidents by aircraft type	24	28	31	71	74	81
Aeroplane	21	24	24	55	60	62
Helicopter	2	3	3	7	9	11
Ultralight	1	1	3	8	4	6
Other (c)	0	0	1	1	1	2
Number of aircraft involved in accidents*	25	28	32	75	76	83
Aeroplanes	22	24	24	59	62	63
Helicopters	2	3	3	7	9	11
Ultralights	1	1	3	8	4	6
Others (c)	0	0	1	1	1	2
Number of fatal accidents by aircraft type	3	1	4	7	4	8
Aeroplane	3	1	3	7	4	5
Helicopter	0	0	0	0	0	1
Ultralight	0	0	1	0	0	1
Other (c)	0	0	0	0	0	0
Reportable accident fatalities	4	1	7	11	11	14
Reportable accident serious injuries	2	2	2	9	3	6
Accidents in Canada involving foreign-registered aircraft	0	2	2	2	6	4
Fatal accidents	0	0	0	0	1	1
Fatalities	0	0	0	0	7	2
Serious Injuries	0	0	0	0	0	0
Occurrences with a dangerous good release	1	0	0	2	1	1
Number of reportable incidents**	73	55	57	372	298	290
Incidents in Canada involving Canadian-registered aircraft	51	42	43	270	218	224
Incidents outside Canada involving Canadian-registered aircraft	18	4	4	69	35	24
Incidents in Canada involving foreign-registered aircraft	5	10	11	45	50	49
Number of reportable incidents by type	73	55	57	372	298	290
Risk of collision/Loss of separation	10	7	9	70	36	41
Declared emergency	24	21	21	135	119	122
Engine failure	12	8	9	42	40	36
Smoke/Fire	8	10	7	38	38	34
Collision	2	0	0	9	2	4
Other	17	9	11	78	63	52

Data extracted June 15, 2017

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 aircraft type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

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

a. The commercial service type is not available for foreign-registered aircraft.

b. Other: contains, but is not limited to, organizations that rent aircraft (i.e., flying schools, flying clubs, etc.).

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

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

**Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5700 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)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of accidents by aircraft and operator type	23	25	26	61	64	71
Aeroplane accidents	21	22	22	53	55	59
Commercial	12	3	5	32	16	19
Airliner (705)	1	0	1	2	0	2
Commuter (704)	0	0	0	3	1	1
Air taxi (703)	5	2	2	8	6	5
Aerial work (702)	3	1	1	4	2	2
Other	3	0	1	15	8	8
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other (a)	9	19	17	21	39	40
Helicopter accidents	2	3	3	7	8	11
Commercial	1	2	3	6	5	9
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	1	1	0	1	3	1
Other aircraft accidents (b)	0	0	1	1	1	2
Number of fatal accidents by aircraft and operator type	3	1	4	7	3	6
Aeroplane accidents	3	1	3	7	3	5
Commercial	1	0	1	4	0	1
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	1	0	0	1	0	1
Aerial work (702)	0	0	0	1	0	0
Other	0	0	0	2	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	2	1	2	3	3	4
Helicopter accidents	0	0	0	0	0	1
Other aircraft accidents (b)	0	0	0	0	0	0
Accident fatalities	4	1	6	11	4	12
Accident serious injuries	1	2	2	5	2	5
Number of incidents by type*	69	46	48	339	253	248
Risk of collision/Loss of separation	10	4	8	64	25	36
Declared emergency	23	18	18	123	103	101
Engine failure	11	6	7	37	35	32
Smoke/Fire	7	10	6	36	35	30
Collision	2	0	0	9	2	3
Other	16	8	9	70	53	46
Number of accidents involving ultralight aircraft	1	1	3	8	4	6
Fatal accidents	0	0	0	0	0	1
Fatalities	0	0	0	0	0	1
Serious injuries	1	0	1	4	1	2

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a. Other: contains, but is not limited to, organizations that rent aircraft (i.e., flying schools, flying clubs, etc.).

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

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Table 3

Accidents involving Canadian-registered fixed-wing and rotary-wing aircraft by type of operation

	May			Year to date (May)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
Number of accidents by operation type	23	25	25	60	63	70
Aeroplane accidents	21	22	22	53	55	59
Training	3	0	1	16	11	11
Pleasure/Travel	8	19	16	18	35	34
Business	0	0	1	1	1	1
Forest fire management	0	1	0	0	1	0
Test/Demonstration/Ferry	0	1	0	0	1	0
Aerial application	1	0	0	1	0	0
Inspection	0	0	0	0	0	0
Air transport	6	1	3	12	4	7
Air ambulance	0	0	0	0	1	1
Sightseeing	1	0	0	1	0	0
Other/Unknown	2	0	1	4	2	4
Helicopter accidents	2	3	3	7	8	11
Training	0	0	1	2	0	1
Pleasure/Travel	1	1	0	1	3	1
Business	0	0	0	0	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	1
Air transport	0	0	1	0	2	4
Air ambulance	1	0	0	1	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	2	1	3	3	3
Number of fatal accidents by operation type	3	1	3	7	3	6
Training	0	0	0	2	0	0
Pleasure/Travel	2	1	2	2	3	3
Business	0	0	1	0	0	1
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	1	0	0	1	0	1
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	2	0	1
Fatalities	4	1	6	11	4	11
Serious injuries	1	2	2	5	2	5

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Canadian-registered aircraft, excluding ultralights, balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types

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