

Table 1

Reportable Aircraft Occurrences

	September			Year to Date (September)		
	2015	2014	2010-2014 Average	2015	2014	2010-2014 Average
Number of reportable accidents	37	28	31	216	214	228
Accidents in Canada involving Canadian-registered aircraft	35	27	30	203	203	213
Accidents outside Canada involving Canadian-registered aircraft	2	0	0	6	4	4
Accidents in Canada involving foreign-registered aircraft	0	1	1	7	7	11
Number of accidents by operator type	37	28	31	216	214	228
Commercial	12	9	9	65	53	60
Airliner (705)	3	0	1	8	3	4
Commuter (704)	1	1	0	3	1	3
Air taxi (703)	4	7	5	19	30	30
Aerial work (702)	1	1	3	16	16	21
Foreign/Other (a)	3	0	0	19	4	2
State	0	0	0	1	2	4
Corporate	0	0	1	0	5	4
Private/Other (b)	25	19	22	151	154	160
Number of accidents by aircraft type	37	28	31	216	214	228
Aeroplane	26	17	23	167	151	170
Helicopter	4	5	4	28	28	28
Ultralight	6	6	4	17	28	23
Other (c)	2	0	1	7	7	7
Number of aircraft involved in accidents*	40	28	32	223	216	231
Aeroplanes	28	17	24	171	153	172
Helicopters	4	5	4	28	28	28
Ultralights	6	6	4	17	28	23
Others (c)	2	0	1	7	7	7
Number of fatal accidents by aircraft type	4	2	3	21	13	26
Aeroplane	1	2	2	14	11	18
Helicopter	2	0	1	3	0	4
Ultralight	1	0	0	4	2	3
Other (c)	0	0	0	0	0	2
Reportable accident fatalities	6	2	5	36	19	47
Reportable accident serious injuries	10	1	4	26	33	30
Accidents in Canada involving foreign-registered aircraft	0	1	1	7	7	11
Fatal accidents	0	1	0	2	2	2
Fatalities	0	1	0	3	4	2
Serious Injuries	0	0	0	0	1	1
Occurrences with a dangerous good release	0	0	0	4	4	2
Number of reportable incidents**	54	67	56	601	544	530
Incidents in Canada involving Canadian-registered aircraft	43	52	43	503	428	406
Incidents outside Canada involving Canadian-registered aircraft	5	7	4	42	43	42
Incidents in Canada involving foreign-registered aircraft	8	11	12	79	84	102
Number of reportable incidents by type	54	67	56	601	544	530
Risk of collision/Loss of separation	10	10	11	88	74	101
Declared emergency	22	25	19	245	224	212
Engine failure	7	12	9	83	78	68
Smoke/Fire	9	9	7	67	61	56
Collision	0	3	1	7	12	7
Other	6	8	9	111	95	87

Data extracted October 15, 2015

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

	September			Year to Date (September)		
	2015	2014	2010-2014 Average	2015	2014	2010-2014 Average
Number of accidents by aircraft and operator type	32	21	27	194	180	194
Aeroplane accidents	26	16	22	162	145	161
Commercial	9	5	6	45	30	37
Airliner (705)	3	0	1	8	3	4
Commuter (704)	1	1	0	3	1	2
Air taxi (703)	2	4	3	10	15	18
Aerial work (702)	0	0	2	9	8	12
Other	3	0	0	15	3	1
State	0	0	0	1	2	2
Corporate	0	0	0	0	2	2
Private/Other (a)	17	11	16	117	111	119
Helicopter accidents	4	5	4	27	28	27
Commercial	3	4	3	20	22	21
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	1	1	1	7	6	5
Other aircraft accidents (b)	2	0	1	7	7	6
Number of fatal accidents by aircraft and operator type	3	1	2	16	9	21
Aeroplane accidents	1	1	1	13	9	17
Commercial	0	0	0	4	2	5
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	2	1	4
Aerial work (702)	0	0	0	1	1	1
Other	0	0	0	1	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	1	1	10	7	11
Helicopter accidents	2	0	1	3	0	4
Other aircraft accidents (b)	0	0	0	0	0	1
Accident fatalities	5	1	4	30	13	42
Accident serious injuries	10	1	4	25	26	24
Number of incidents by type*	48	59	48	544	471	448
Risk of collision/Loss of separation	10	8	9	82	65	89
Declared emergency	17	22	15	212	194	170
Engine failure	6	11	8	78	69	60
Smoke/Fire	9	8	5	61	50	46
Collision	0	3	1	6	11	6
Other	6	7	9	105	82	77
Number of accidents involving ultralight aircraft	6	6	4	16	27	23
Fatal accidents	1	0	0	3	2	3
Fatalities	1	0	0	3	2	3
Serious injuries	0	0	0	1	6	4

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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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*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 3

Accidents Involving Canadian-Registered Fixed Wing and Rotary Wing Aircraft By Type of Operation

	September			Year to Date (September)		
	2015	2014	2010-2014 Average	2015	2014	2010-2014 Average
Number of accidents by operation type	30	21	26	189	173	188
Aeroplane accidents	26	16	22	162	145	161
Training	2	0	2	14	22	21
Pleasure/Travel	16	11	14	103	81	92
Business	0	0	1	0	8	5
Forest fire management	0	0	0	2	2	2
Test/Demonstration/Ferry	1	0	0	2	4	3
Aerial application	0	0	1	5	4	6
Inspection	0	0	0	1	0	0
Air transport	6	5	4	20	18	23
Air ambulance	0	0	0	0	1	1
Sightseeing	0	0	0	1	1	2
Other/Unknown	1	0	1	15	4	7
Helicopter accidents	4	5	4	27	28	27
Training	0	0	0	5	1	1
Pleasure/Travel	1	1	1	7	5	5
Business	0	0	0	0	0	1
Forest fire management	0	0	0	2	0	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	1	0	0	2	1	2
Inspection	0	1	0	0	2	2
Air transport	2	3	1	6	16	11
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	0
Other/Unknown	0	0	1	5	2	5
Number of fatal accidents by operation type	3	1	2	16	9	20
Training	0	0	0	1	1	1
Pleasure/Travel	1	1	1	9	6	10
Business	0	0	0	0	1	1
Forest fire management	0	0	0	1	0	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	1	0	0	1	0	0
Inspection	0	0	0	0	0	0
Air transport	1	0	0	3	1	5
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	1	0	0
Other/Unknown	0	0	0	1	0	2
Fatalities	5	1	4	30	13	41
Serious injuries	10	1	4	25	25	23

Data extracted October 15, 2015

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

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