

Transportation Safety Board of Canada

Table 1
Aviation Occurrence and Casualty Statistics - September 2005

	September			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	27	25	30	209	214	245
Aeroplanes Involved ²	19	23	26	171	177	197
Airliners	0	0	1	5	3	5
Commuters	0	1	1	4	1	4
Air Taxis	6	2	5	27	35	33
Aerial Work	0	1	1	11	7	14
State	0	1	0	0	2	2
Corporate	0	0	1	4	3	3
Private/Other ³	13	18	17	119	126	136
Helicopters Involved	6	1	4	37	33	40
Other Aircraft Involved ⁴	2	1	1	5	8	10
Fatal Accidents	7	1	3	24	22	26
Aeroplanes Involved	3	1	3	17	17	20
Airliners	0	0	0	0	0	0
Commuters	0	0	0	1	0	0
Air Taxis	2	0	1	4	3	3
Aerial Work	0	0	0	0	0	1
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other ³	1	1	2	11	14	14
Helicopters Involved	3	0	0	6	3	5
Other Aircraft Involved	1	0	0	1	2	2
Fatalities	11	1	7	34	35	44
Serious Injuries	1	1	4	26	19	34
Canadian-Registered Ultralight Aircraft Accidents	6	6	7	30	29	33
Fatal Accidents	1	0	1	5	5	5
Fatalities	1	0	1	6	8	8
Serious Injuries	1	2	1	9	6	8
Foreign-Registered Aircraft Accidents in Canada	3	1	2	17	15	18
Fatal Accidents	1	0	1	5	1	4
Fatalities	2	0	2	9	2	6
Serious Injuries	0	0	1	3	0	2
All Aircraft: Reportable Incidents	61	78	62	623	695	644
Risk of Collision/Loss of Separation	19	19	14	137	172	150
Declared Emergency	18	24	18	169	212	200
Engine Failure	7	15	13	119	110	122
Smoke/Fire	8	5	7	77	69	78
Collision	2	2	2	7	19	13
Other	7	13	8	114	113	82

¹ Ultralight aircraft excluded.

² As some accidents may involve multiple aircraft, the number of aircraft involved may differ from the total number of accidents.

³ Other: contains, but is not limited to, organizations that rent aircraft (i.e. flying schools, flying clubs, etc.).

⁴ Includes gliders, balloons and gyrocopters.

Figures are preliminary as of October 12, 2005.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

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Table 2
Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - September 2005
By Type of Operation

	September			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	27	25	30	209	214	245
Aeroplanes Involved	19	23	26	171	177	197
Training	0	1	3	11	21	27
Pleasure/Travel	10	18	13	97	105	98
Business	0	0	1	5	4	7
Forest Fire Management	0	0	0	2	2	2
Test/Demonstration/Ferry	1	0	0	4	5	5
Aerial Application	0	0	0	6	3	9
Inspection	0	0	0	1	0	1
Air Transport	6	3	7	30	29	37
Air Ambulance	0	0	0	0	2	1
Other/Unknown	2	1	1	15	6	10
Helicopters Involved	6	1	4	37	33	40
Training	1	0	0	3	3	6
Pleasure/Travel	2	0	0	8	3	2
Business	1	0	0	1	0	2
Forest Fire Management	0	0	0	1	4	4
Test/Demonstration/Ferry	0	0	0	0	2	2
Aerial Application	0	0	0	2	1	1
Inspection	0	0	1	0	2	1
Air Transport	2	1	1	12	14	11
Air Ambulance	0	0	0	1	0	0
Other/Unknown	0	0	1	9	4	10
Fatal Accidents	7	1	3	24	22	26
Aeroplanes and Helicopters Involved	6	1	3	23	20	24
Training	0	0	0	0	3	3
Pleasure/Travel	3	1	1	14	11	11
Business	1	0	0	1	0	1
Forest Fire Management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	0	0	1	0	1
Aerial Application	0	0	0	0	0	1
Inspection	0	0	0	0	1	1
Air Transport	2	0	1	6	4	4
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	1	1	1	3
Fatalities	11	1	7	34	35	44
Serious Injuries	1	1	4	26	19	34

¹ Ultralight aircraft excluded.

Figures are preliminary as of October 12, 2005.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

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Table 3

**Canadian-Registered Aircraft Involved in Incidents - September 2005
Selected Reportable Incident Types by First Event**

	September			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Risk of Collision/Loss of Separation	24	25	19	182	230	200
Air Proximity	4	6	5	52	74	56
Air Traffic Services Event	15	15	11	103	121	113
Altitude Related	0	1	1	9	3	5
Runway Incursion	1	0	1	6	11	12
Other	4	3	2	12	21	14
Declared Emergency	9	20	14	114	155	157
Landing Gear Failure	2	4	2	30	26	27
Hydraulic Failure	1	0	1	20	16	22
Electrical Failure	0	1	1	3	7	7
Other Component Failure	5	12	6	44	43	51
Other	1	3	3	17	63	49
Engine Failure	7	11	10	96	91	101
Power Loss	4	6	4	48	39	41
Component Failure	1	2	4	41	42	50
Other	2	3	1	7	10	10
Smoke/Fire	7	3	6	65	60	67
Fire/Explosion	6	2	4	52	40	48
Component Failure	1	1	2	13	18	17
Other	0	0	1	0	2	3
Difficulty in Controlling Aircraft	0	3	2	34	32	22
Component Failure	0	0	1	17	15	9
Weather Related	0	0	0	11	5	5
Other	0	3	1	6	12	8

Figures are preliminary as of October 12, 2005.

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