

Transportation Safety Board of Canada

Table 1
Aviation Occurrence and Casualty Statistics - December 2005

	December			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	12	8	11	258	252	287
Aeroplanes Involved ²	9	8	8	205	206	232
Airliners	0	0	1	5	3	6
Commuters	1	0	0	6	1	6
Air Taxis	3	3	2	33	43	40
Aerial Work	0	0	0	14	8	15
State	0	0	0	1	2	3
Corporate	0	1	0	6	4	4
Private/Other ³	5	4	5	140	145	159
Helicopters Involved	3	0	2	50	41	48
Other Aircraft Involved ⁴	0	0	0	8	9	10
Fatal Accidents	2	1	1	34	24	32
Aeroplanes Involved	1	1	1	22	18	24
Airliners	0	0	0	0	0	0
Commuters	0	0	0	1	0	0
Air Taxis	1	0	0	6	3	4
Aerial Work	0	0	0	2	0	1
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other ³	0	1	0	13	15	16
Helicopters Involved	1	0	0	10	4	6
Other Aircraft Involved	0	0	0	2	2	3
Fatalities	4	1	1	51	37	54
Serious Injuries	3	1	2	37	26	40
Canadian-Registered Ultralight Aircraft Accidents	0	0	1	30	36	38
Fatal Accidents	0	0	0	5	6	7
Fatalities	0	0	0	6	10	10
Serious Injuries	0	0	0	9	7	9
Foreign-Registered Aircraft Accidents in Canada	0	2	1	18	20	22
Fatal Accidents	0	1	1	6	3	5
Fatalities	0	1	1	10	10	9
Serious Injuries	0	2	0	14	2	2
All Aircraft: Reportable Incidents	70	77	67	822	909	837
Risk of Collision/Loss of Separation	13	18	10	183	223	187
Declared Emergency	23	22	22	224	278	266
Engine Failure	7	17	13	148	143	154
Smoke/Fire	10	7	7	102	94	98
Collision	2	0	2	12	21	17
Other	15	13	12	153	150	115

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 January 9, 2006.

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 - December 2005
By Type of Operation

	December			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	12	8	11	258	252	287
Aeroplanes Involved	9	8	8	205	206	232
Training	2	2	2	16	25	34
Pleasure/Travel	3	2	3	115	118	113
Business	0	1	0	6	5	8
Forest Fire Management	0	0	0	2	3	2
Test/Demonstration/Ferry	0	0	0	5	7	6
Aerial Application	0	0	0	6	3	9
Inspection	0	0	0	1	0	1
Air Transport	3	3	3	36	37	45
Air Ambulance	1	0	0	1	2	2
Other/Unknown	0	0	0	17	6	11
Helicopters Involved	3	0	2	50	41	48
Training	0	0	1	3	4	8
Pleasure/Travel	0	0	0	11	5	3
Business	0	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	1	0	0	1	2	2
Air Transport	1	0	0	18	16	13
Air Ambulance	0	0	0	1	0	0
Other/Unknown	1	0	1	12	7	12
Fatal Accidents	2	1	1	34	24	32
Aeroplanes and Helicopters Involved	2	1	1	32	22	30
Training	0	1	0	0	4	3
Pleasure/Travel	0	0	0	17	11	12
Business	0	0	0	1	0	2
Forest Fire Management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	0	0	1	0	2
Aerial Application	0	0	0	0	0	1
Inspection	1	0	0	1	1	1
Air Transport	1	0	0	9	5	5
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	0	3	1	4
Fatalities	4	1	1	51	37	54
Serious Injuries	3	1	2	37	26	40

¹ Ultralight aircraft excluded.

Figures are preliminary as of January 9, 2006.

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Table 3

Canadian-Registered Aircraft Involved in Incidents - December 2005

Selected Reportable Incident Types by First Event

	December			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Risk of Collision/Loss of Separation	14	25	14	243	295	247
Air Proximity	1	1	2	71	87	64
Air Traffic Services Event	11	20	10	137	165	145
Altitude Related	0	0	0	11	4	6
Runway Incursion	2	1	0	8	15	15
Other	0	3	1	16	24	18
Declared Emergency	18	14	17	152	204	209
Landing Gear Failure	6	2	3	39	35	36
Hydraulic Failure	1	2	3	25	21	30
Electrical Failure	1	2	0	5	12	9
Other Component Failure	7	7	7	59	65	72
Other	3	1	4	24	71	62
Engine Failure	5	13	11	116	118	128
Power Loss	4	5	5	61	49	53
Component Failure	1	8	5	46	58	64
Other	0	0	0	9	11	11
Smoke/Fire	8	6	5	84	81	82
Fire/Explosion	6	4	4	68	56	58
Component Failure	1	2	1	15	23	21
Other	1	0	0	1	2	3
Difficulty in Controlling Aircraft	2	4	4	42	41	33
Component Failure	1	2	1	20	19	13
Weather Related	0	1	1	14	7	8
Other	1	1	1	8	15	11

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