## **Transportation Safety Board of Canada**

Table 1
Aviation Occurrence and Casualty Statistics - April 2006

Canadian-Registered Aircraft Accidents	Average 62 53 1 2 9 1 1 1 37 10 1
Canadian-Registered Aircraft Accidents¹         17         18         19         48         54           Aeroplanes Involved²         16         17         16         45         48           Airliners         0         0         0         3         3           Commuters         0         0         1         0         1           Air Taxis         3         3         2         11         10           Aerial Work         1         2         1         1         2           State         0         0         0         0         1         0           Corporate         0         1         0         0         1         0         0         1           Private/Other³         12         11         12         29         31         1         1         2         29         31           Helicopters Involved³         2         1         3         5         9         9         0	62 53 1 2 9 1 1 1 37 10 1
Aeroplanes Involved²       16       17       16       45       48         Airliners       0       0       0       3       3         Commuters       0       0       1       0       1         Air Taxis       3       3       2       11       10         Aerial Work       1       2       1       1       2         State       0       0       0       0       1       0         Corporate       0       1       0       0       1       0       0       1         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       0       0       0         Fatal Accidents       1       1       1       1       3       3         Aeroplanes Involved       1       1       1       1       3       3         Aeroplanes Involved       1       1       1       1       3       3         Airliners       0       0       0       0       0       0       0 <th>53 1 2 9 1 1 1 37 10 1</th>	53 1 2 9 1 1 1 37 10 1
Airliners       0       0       0       3       3         Commuters       0       0       1       0       1         Air Taxis       3       3       2       11       10         Aerial Work       1       2       1       1       2         State       0       0       0       0       1       0         Corporate       0       1       0       0       1       0         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       1       0       0         Fatal Accidents       1       1       1       2       4       5         Aeroplanes Involved⁴       1       1       1       3       3         Aeroplanes Involved       1       1       1       3       3         Aeroplanes Involved       0       0       0       0       0       0         Commuters       0       0       0       0       0       0       0       0         Aerial Work	1 2 9 1 1 1 37 10 1
Commuters       0       0       1       0       1         Air Taxis       3       3       2       111       10         Aerial Work       1       2       1       1       2         State       0       0       0       1       0         Corporate       0       1       0       0       1         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       1       0       0         Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       3       3         Airliners       0       0       0       0       0         Commuters       0       0       0       0       0         Air Taxis       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1	2 9 1 1 37 10 1
Air Taxis       3       3       2       11       10         Aerial Work       1       2       1       1       2         State       0       0       0       1       0         Corporate       0       1       0       0       1         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       1       0       0         Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       3       3         Airliners       0       0       0       0       0         Commuters       0       0       0       0       0         Air Taxis       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1       1         Helicopter	9 1 1 1 37 10 1
Aerial Work 1 2 1 1 2 2 1 0 0 0 0 1 0 0 1 0 0 0 0 0	1 1 37 10 1
State       0       0       0       1       0         Corporate       0       1       0       0       1         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       1       0       0         Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       3       3         Airliners       0       0       0       0       0       0         Commuters       0	1 1 37 10 1
Corporate       0       1       0       0       1         Private/Other³       12       11       12       29       31         Helicopters Involved       2       1       3       5       9         Other Aircraft Involved⁴       0       0       1       0       0         Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       3       3         Airliners       0       0       0       0       0         Commuters       0       0       0       0       0         Air Taxis       0       1       0       2       2         Aerial Work       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       0         Other Aircraft Involved       0       0       0       0       0	1 37 10 1
Private/Other <sup>3</sup> 12 11 12 29 31 Helicopters Involved 2 1 3 5 9 Other Aircraft Involved <sup>4</sup> 0 0 0 1 0 0  Fatal Accidents 1 1 2 4 5 Aeroplanes Involved 1 1 1 1 3 3 3 Airliners 0 0 0 0 0 0 0 0 0 Commuters 0 0 0 0 0 0 0 0 0 Air Taxis 0 1 0 0 0 0 0 0 0 Air Taxis 0 1 0 0 0 0 0 0 0 State 0 0 0 0 0 0 0 0 0 Corporate 0 0 0 0 0 0 0 0 0 Private/Other <sup>3</sup> 1 0 1 1 1 1 1 Helicopters Involved 0 0 0 0 0 0 0 Other Aircraft Involved 0 0 0 0 0 0 0  Fatalities 2 2 2 7 7 7	37 10 1 <b>6</b> 4
Helicopters Involved	10 1 <b>6</b> 4
Other Aircraft Involved <sup>4</sup> 0       0       1       0       0         Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       1       3       3         Airliners       0       0       0       0       0       0         Commuters       0       0       0       0       0       0         Air Taxis       0       1       0       2       2       2         Aerial Work       0	1 <b>6</b> 4
Fatal Accidents       1       1       2       4       5         Aeroplanes Involved       1       1       1       3       3         Airliners       0       0       0       0       0         Commuters       0       0       0       0       0         Air Taxis       0       1       0       2       2         Aerial Work       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       0         Other Aircraft Involved       0       0       0       0       0	<b>6</b> 4
Aeroplanes Involved       1       1       1       1       3       3         Airliners       0 <t< td=""><td>4</td></t<>	4
Airliners       0       0       0       0       0         Commuters       0       0       0       0       0         Air Taxis       0       1       0       2       2         Aerial Work       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       0         Other Aircraft Involved       0       0       0       0       0	
Commuters       0       0       0       0       0         Air Taxis       0       1       0       2       2         Aerial Work       0       0       0       0       0       0         State       0	^
Air Taxis 0 1 0 2 2 Aerial Work 0 0 0 0 0 0 State 0 0 0 0 0 0 0 Corporate 0 0 0 0 0 0 0 Private/Other <sup>3</sup> 1 0 1 1 1 Helicopters Involved 0 0 0 0 1 2 Other Aircraft Involved 0 0 0 0 0 0	0
Aerial Work       0       0       0       0       0         State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       1       2         Other Aircraft Involved       0       0       0       0       0       0	0
State       0       0       0       0       0         Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       1       2         Other Aircraft Involved       0       0       0       0       0       0	1
Corporate       0       0       0       0       0         Private/Other³       1       0       1       1       1         Helicopters Involved       0       0       0       0       1       2         Other Aircraft Involved       0       0       0       0       0       0    Fatalities	0
Private/Other³         1         0         1         1         1           Helicopters Involved         0         0         0         1         2           Other Aircraft Involved         0         0         0         0         0           Fatalities         2         2         2         2         7         7	0
Helicopters Involved   0   0   0   1   2	0
Other Aircraft Involved         0         0         0         0         0           Fatalities         2         2         2         2         7         7	3
Fatalities 2 2 2 7 7	1
	1
Serious Injuries         3         0         2         10         2	10
	5
Canadian-Registered Ultralight Aircraft Accidents 1 1 2 2 7	6
Fatal Accidents 0 1 0 0 3	1
Fatalities 0 1 0 0 4	2
Serious Injuries         0         0         0         0         0	1
Foreign-Registered Aircraft Accidents in Canada 1 2 1 2 4	4
Fatal Accidents 0 0 0 0 0	1
Fatalities 0 0 0 0 0	1
Serious Injuries         0         0         0         1         3	1
All Aircraft: Reportable Incidents 60 63 67 279 279	292
Risk of Collision/Loss of Separation 13 18 15 59 59	
Declared Emergency 11 10 19 89 76	07
Engine Failure 9 10 11 35 51	97
Smoke/Fire 10 10 8 32 36	
Collision 3 1 2 11 3	51
Other 14 14 12 53 54	51

Ultralight aircraft excluded.

Figures are preliminary as of May 9, 2006.

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

<sup>&</sup>lt;sup>2</sup> As some accidents may involve multiple aircraft, the number of aircraft involved may differ from the total number of accidents.

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

<sup>&</sup>lt;sup>4</sup> Includes gliders, balloons and gyrocopters.

## **Transportation Safety Board of Canada**

Table 2
Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - April 2006
By Type of Operation

	April				Year To Dat	e
- -	2006	2005	2001-2005 Average	2006	2005	2001-2005 Average
Canadian-Registered Aircraft Accidents <sup>1</sup>	17	18	19	48	54	62
Aeroplanes Involved	16	17	16	45	48	53
Training	2	2	1	8	8	9
Pleasure/Travel	11	6	9	22	19	26
Business	0	1	0	0	3	2
Forest Fire Management	0	0	0	1	0	0
Test/Demonstration/Ferry	0	0	0	0	1	2
Aerial Application	0	0	0	0	0	0
Inspection	0	1	0	0	1	1
Air Transport	3	3	2	13	10	10
Air Ambulance	0	0	0	1	0	1
Other/Unknown	0	4	2	0	6	2
Helicopters Involved	2	1	3	5	9	10
Training	0	0	0	0	1	2
Pleasure/Travel	0	0	0	0	1	0
Business	0	0	0	0	0	0
Forest Fire Management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	0	1
Aerial Application	0	0	0	0	0	0
Inspection	0	0	0	0	0	0
Air Transport	1	1	1	1	3	4
Air Ambulance	0	0	0	0	0	0
Other/Unknown	1	0	0	4	4	3
Fatal Accidents	1	1	2	4	5	6
Aeroplanes and Helicopters Involved	1	1	1	4	5	5
Training	0	0	0	0	0	1
Pleasure/Travel	1	0	0	1	2	2
Business	0	0	0	0	0	0
Forest Fire Management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	0	1
Aerial Application	0	0	0	0	0	0
Inspection	0	0	0	0	0	0
Air Transport	0	1	0	2	3	1
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	0	1	0	0
Fatalities	2	2	2	7	7	10
Serious Injuries	3	0	2	10	2	5

Ultralight aircraft excluded.

Figures are preliminary as of May 9, 2006.

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

## **Transportation Safety Board of Canada**

Table 3
Canadian-Registered Aircraft Involved in Incidents - April 2006
Selected Reportable Incident Types by First Event

	Amail			Year To Date			
	April 2006 2005 2001-2005			Year To Date 2006 2005 2001-2005			
	2000	2003	Average	2000	2003	Average	
Risk of Collision/Loss of Separation	18	22	20	89	85	80	
Air Proximity	9	13	6	30	24	21	
Air Traffic Services Event	6	8	10	49	49	46	
Altitude Related	0	1	1	1	6	3	
Runway Incursion	0	0	1	2	2	5	
Other	3	0	1	7	4	4	
Declared Emergency	8	8	16	61	46	73	
Landing Gear Failure	2	1	2	17	10	12	
Hydraulic Failure	2	2	2	6	11	9	
Electrical Failure	0	0	1	1	2	3	
Other Component Failure	4	3	5	28	16	24	
Other	0	2	7	9	7	25	
Engine Failure	6	10	9	27	41	41	
Power Loss	5	3	4	16	17	18	
Component Failure	1	6	5	11	22	20	
Other	0	1	1	0	2	3	
Smoke/Fire	7	9	7	23	31	33	
Fire/Explosion	5	9	6	19	24	24	
Component Failure	2	0	1	4	7	8	
Other	0	0	0	0	0	1	
Difficulty in Controlling Aircraft	1	2	3	12	12	11	
Component Failure	1	2	2	3	7	6	
Weather Related	0	0	1	5	3	3	
the state of the s	-	-		-	-	-	

Figures are preliminary as of May 9, 2006.

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