

Table 1

## Reportable Aircraft Occurrences

	July			Year to Date (July)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of reportable accidents</b>	<b>31</b>	<b>40</b>	<b>40</b>	<b>137</b>	<b>151</b>	<b>155</b>
Accidents in Canada involving Canadian-registered aircraft	29	37	38	124	140	145
Accidents outside Canada involving Canadian-registered aircraft	1	2	1	6	4	4
Accidents in Canada involving foreign-registered aircraft	1	1	1	7	7	6
<b>Number of accidents by operator type</b>	<b>31</b>	<b>40</b>	<b>40</b>	<b>137</b>	<b>151</b>	<b>155</b>
Commercial	7	11	14	36	47	53
Airliner (705)	0	1	0	0	5	3
Commuter (704)	1	0	0	2	2	2
Air taxi (703)	2	2	5	16	10	19
Aerial work (702)	4	6	5	8	14	13
Foreign/Other (a)	0	2	4	11	16	15
State	0	0	0	0	1	2
Corporate	0	0	0	0	0	1
Private/Other (b)	24	29	26	101	104	99
<b>Number of accidents by aircraft type</b>	<b>31</b>	<b>40</b>	<b>40</b>	<b>137</b>	<b>151</b>	<b>155</b>
Aeroplane	25	32	28	111	121	115
Helicopter	2	6	5	12	22	21
Ultralight	3	2	5	10	7	15
Other (c)	1	0	2	4	2	5
<b>Number of aircraft involved in accidents*</b>	<b>31</b>	<b>40</b>	<b>40</b>	<b>139</b>	<b>154</b>	<b>157</b>
Aeroplanes	25	32	28	113	123	117
Helicopters	2	6	5	12	22	21
Ultralights	3	2	5	10	7	15
Others (c)	1	0	2	4	2	5
<b>Number of fatal accidents by aircraft type</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>17</b>
Aeroplane	5	2	2	12	12	11
Helicopter	0	1	1	0	1	3
Ultralight	0	1	1	0	3	3
Other (c)	0	0	0	0	0	1
<b>Reportable accident fatalities</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>20</b>	<b>24</b>	<b>27</b>
<b>Reportable accident serious injuries</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>3</b>	<b>16</b>	<b>19</b>
<b>Accidents in Canada involving foreign-registered aircraft</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>7</b>	<b>6</b>
Fatal accidents	0	0	0	1	2	1
Fatalities	0	0	0	7	3	1
Serious Injuries	0	0	0	0	0	1
<b>Occurrences with a dangerous good release</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Number of reportable incidents**</b>	<b>100</b>	<b>74</b>	<b>68</b>	<b>448</b>	<b>470</b>	<b>409</b>
Incidents in Canada involving Canadian-registered aircraft	80	66	56	335	400	324
Incidents outside Canada involving Canadian-registered aircraft	13	4	5	57	32	31
Incidents in Canada involving foreign-registered aircraft	10	7	9	67	53	65
<b>Number of reportable incidents by type</b>	<b>100</b>	<b>74</b>	<b>68</b>	<b>448</b>	<b>470</b>	<b>409</b>
Risk of collision/Loss of separation	22	8	8	69	63	62
Declared emergency	36	24	26	177	192	171
Engine failure	14	11	11	60	65	55
Smoke/Fire	9	9	7	50	50	46
Collision	4	1	1	6	7	6
Other	15	21	14	86	93	70

Data extracted August 15, 2016

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

	July			Year to Date (July)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of accidents by aircraft and operator type</b>	<b>27</b>	<b>37</b>	<b>34</b>	<b>120</b>	<b>138</b>	<b>135</b>
Aeroplane accidents	24	32	28	105	116	111
Commercial	6	7	9	27	31	36
Airliner (705)	0	1	0	0	5	3
Commuter (704)	1	0	0	2	2	2
Air taxi (703)	2	0	2	10	4	11
Aerial work (702)	3	4	3	6	8	7
Other	0	2	3	10	12	13
State	0	0	0	0	1	1
Corporate	0	0	0	0	0	0
Private/Other (a)	18	25	18	78	85	74
Helicopter accidents	2	5	5	11	21	21
Commercial	1	4	4	7	16	16
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	1	1	1	4	5	4
Other aircraft accidents (b)	1	0	1	4	2	4
<b>Number of fatal accidents by aircraft and operator type</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>12</b>	<b>13</b>
Aeroplane accidents	5	2	2	11	11	10
Commercial	2	0	1	2	3	3
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	1	0	0	1	1	2
Aerial work (702)	1	0	0	1	1	1
Other	0	0	0	0	1	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	3	2	2	9	9	7
Helicopter accidents	0	1	1	0	1	3
Other aircraft accidents (b)	0	0	0	0	0	1
<b>Accident fatalities</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>13</b>	<b>19</b>	<b>23</b>
<b>Accident serious injuries</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>13</b>	<b>15</b>
<b>Number of incidents by type*</b>	<b>93</b>	<b>70</b>	<b>60</b>	<b>392</b>	<b>432</b>	<b>355</b>
Risk of collision/Loss of separation	22	8	8	58	58	57
Declared emergency	31	22	23	153	170	142
Engine failure	14	11	9	54	64	50
Smoke/Fire	8	9	6	46	47	39
Collision	4	1	1	6	6	5
Other	14	19	13	75	87	63
<b>Number of accidents involving ultralight aircraft</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>6</b>	<b>14</b>
Fatal accidents	0	1	1	0	2	3
Fatalities	0	1	1	0	2	3
Serious injuries	0	1	1	1	3	4

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Table 3

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

	July			Year to Date (July)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of accidents by operation type</b>	<b>26</b>	<b>37</b>	<b>33</b>	<b>116</b>	<b>137</b>	<b>131</b>
Aeroplane accidents	24	32	28	105	116	111
Training	0	2	4	14	12	17
Pleasure/Travel	15	24	15	66	74	64
Business	0	0	0	2	0	3
Forest fire management	0	1	1	1	2	1
Test/Demonstration/Ferry	1	0	1	2	0	1
Aerial application	4	2	2	6	3	2
Inspection	0	0	0	0	1	0
Air transport	3	2	3	9	12	14
Air ambulance	0	0	0	1	0	1
Sightseeing	0	0	1	0	0	2
Other/Unknown	1	1	2	5	13	7
Helicopter accidents	2	5	5	11	21	21
Training	0	0	0	1	5	2
Pleasure/Travel	1	1	1	4	5	3
Business	0	0	0	0	0	0
Forest fire management	0	1	1	0	2	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	1	1	1	1	1	1
Inspection	0	0	0	0	0	1
Air transport	0	2	2	2	4	7
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	3	4	4
<b>Number of fatal accidents by operation type</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>12</b>	<b>13</b>
Training	0	0	0	0	1	1
Pleasure/Travel	1	2	2	7	8	7
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	1	0
Test/Demonstration/Ferry	1	0	0	1	0	0
Aerial application	2	0	0	2	0	0
Inspection	0	0	0	0	0	0
Air transport	1	1	1	1	2	3
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	0	1	1
<b>Fatalities</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>13</b>	<b>19</b>	<b>23</b>
<b>Serious injuries</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>13</b>	<b>15</b>

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

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