

**Table 1**  
**Reportable Aircraft Occurrences**

	September			Year to Date (September)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of reportable accidents</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>189</b>	<b>218</b>	<b>224</b>
Accidents in Canada involving Canadian-registered aircraft	27	38	31	175	205	210
Accidents outside Canada involving Canadian-registered aircraft	0	2	1	6	6	5
Accidents in Canada involving foreign-registered aircraft	1	0	1	8	7	10
<b>Number of accidents by operator type</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>189</b>	<b>218</b>	<b>224</b>
Commercial	4	12	9	44	64	72
Airliner (705)	0	3	1	0	8	5
Commuter (704)	0	1	0	2	3	2
Air taxi (703)	2	4	4	20	18	27
Aerial work (702)	1	1	2	9	16	20
Foreign/Other (a)	1	3	1	14	19	18
State	0	0	0	0	1	3
Corporate	0	0	0	0	0	2
Private/Other (b)	24	28	23	145	154	148
<b>Number of accidents by aircraft type</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>189</b>	<b>218</b>	<b>224</b>
Aeroplane	18	29	24	144	170	166
Helicopter	5	4	4	20	27	29
Ultralight	2	6	4	18	17	22
Other (c)	3	2	1	7	7	8
<b>Number of aircraft involved in accidents*</b>	<b>28</b>	<b>43</b>	<b>34</b>	<b>192</b>	<b>225</b>	<b>228</b>
Aeroplanes	18	31	25	147	174	169
Helicopters	5	4	4	20	27	29
Ultralights	2	6	4	18	17	22
Others (c)	3	2	1	7	7	8
<b>Number of fatal accidents by aircraft type</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>23</b>	<b>21</b>	<b>25</b>
Aeroplane	3	1	2	17	14	16
Helicopter	2	2	1	2	3	4
Ultralight	1	1	0	3	4	4
Other (c)	1	0	0	1	0	1
<b>Reportable accident fatalities</b>	<b>9</b>	<b>6</b>	<b>5</b>	<b>33</b>	<b>36</b>	<b>42</b>
<b>Reportable accident serious injuries</b>	<b>4</b>	<b>10</b>	<b>5</b>	<b>8</b>	<b>28</b>	<b>30</b>
<b>Accidents in Canada involving foreign-registered aircraft</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>7</b>	<b>10</b>
Fatal accidents	0	0	0	1	2	2
Fatalities	0	0	0	7	3	2
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>4</b>	<b>4</b>	<b>2</b>
<b>Number of reportable incidents**</b>	<b>61</b>	<b>54</b>	<b>54</b>	<b>590</b>	<b>602</b>	<b>530</b>
Incidents in Canada involving Canadian-registered aircraft	48	43	42	447	502	418
Incidents outside Canada involving Canadian-registered aircraft	5	5	5	72	44	40
Incidents in Canada involving foreign-registered aircraft	12	8	10	88	79	90
<b>Number of reportable incidents by type</b>	<b>61</b>	<b>54</b>	<b>54</b>	<b>590</b>	<b>602</b>	<b>530</b>
Risk of collision/Loss of separation	9	10	9	98	88	85
Declared emergency	27	22	21	233	244	216
Engine failure	8	8	8	75	85	72
Smoke/Fire	5	9	8	66	67	59
Collision	1	0	1	10	7	8
Other	11	5	7	108	111	91

Data extracted October 19, 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**

	September			Year to Date (September)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of accidents by aircraft and operator type</b>	<b>24</b>	<b>35</b>	<b>28</b>	<b>162</b>	<b>196</b>	<b>193</b>
Aeroplane accidents	17	29	23	137	165	158
Commercial	1	9	6	31	45	49
Airliner (705)	0	3	1	0	8	5
Commuter (704)	0	1	0	2	3	2
Air taxi (703)	0	2	3	11	10	15
Aerial work (702)	0	0	1	6	9	11
Other	1	3	1	13	15	16
State	0	0	0	0	1	1
Corporate	0	0	0	0	0	1
Private/Other (a)	16	20	16	106	120	108
Helicopter accidents	5	4	4	19	26	29
Commercial	3	3	3	11	19	22
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	2	1	1	8	7	6
Other aircraft accidents (b)	2	2	1	6	7	7
<b>Number of fatal accidents by aircraft and operator type</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>19</b>	<b>16</b>	<b>20</b>
Aeroplane accidents	3	1	1	16	13	15
Commercial	0	0	0	2	4	5
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	1	2	3
Aerial work (702)	0	0	0	1	1	1
Other	0	0	0	0	1	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	3	1	1	14	10	10
Helicopter accidents	2	2	1	2	3	4
Other aircraft accidents (b)	1	0	0	1	0	1
<b>Accident fatalities</b>	<b>8</b>	<b>5</b>	<b>4</b>	<b>23</b>	<b>30</b>	<b>36</b>
<b>Accident serious injuries</b>	<b>4</b>	<b>10</b>	<b>5</b>	<b>7</b>	<b>25</b>	<b>24</b>
<b>Number of incidents by type*</b>	<b>53</b>	<b>48</b>	<b>47</b>	<b>519</b>	<b>546</b>	<b>458</b>
Risk of collision/Loss of separation	9	10	8	87	82	77
Declared emergency	21	17	17	199	211	178
Engine failure	8	7	8	69	80	65
Smoke/Fire	4	9	6	58	62	49
Collision	1	0	1	10	6	7
Other	10	5	7	96	105	82
<b>Number of accidents involving ultralight aircraft</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>18</b>	<b>16</b>	<b>22</b>
Fatal accidents	1	1	0	3	3	3
Fatalities	1	1	0	3	3	3
Serious injuries	0	0	0	1	3	4

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Table 3

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

	September			Year to Date (September)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
<b>Number of accidents by operation type</b>	<b>22</b>	<b>33</b>	<b>27</b>	<b>156</b>	<b>191</b>	<b>187</b>
Aeroplane accidents	17	29	23	137	165	158
Training	1	2	1	17	14	20
Pleasure/Travel	16	19	15	93	106	95
Business	0	0	0	2	0	4
Forest fire management	0	0	0	1	2	2
Test/Demonstration/Ferry	0	1	0	2	2	2
Aerial application	0	0	1	6	5	5
Inspection	0	0	0	0	1	0
Air transport	0	6	5	10	20	20
Air ambulance	0	0	0	1	0	1
Sightseeing	0	0	0	0	1	2
Other/Unknown	0	1	1	6	15	8
Helicopter accidents	5	4	4	19	26	29
Training	0	0	0	1	5	2
Pleasure/Travel	2	1	1	8	7	6
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	2	2
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	1	0	1	2	2
Inspection	1	0	0	1	0	2
Air transport	1	2	1	4	6	10
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	1	0	1	4	4	5
<b>Number of fatal accidents by operation type</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>18</b>	<b>16</b>	<b>19</b>
Training	0	0	0	0	1	1
Pleasure/Travel	4	1	1	13	9	10
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	1	0
Test/Demonstration/Ferry	0	0	0	1	0	0
Aerial application	0	1	0	2	1	0
Inspection	1	0	0	1	0	0
Air transport	0	1	0	1	3	4
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	1
Other/Unknown	0	0	0	0	1	2
<b>Fatalities</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>22</b>	<b>30</b>	<b>35</b>
<b>Serious injuries</b>	<b>4</b>	<b>10</b>	<b>5</b>	<b>6</b>	<b>25</b>	<b>24</b>

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Breakdowns may not add up to totals. For example, in the total "Number of accidents by operation type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

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

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