

Table 1

## Reportable aircraft occurrences

	June			Year to date (June)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
<b>Number of reportable accidents</b>	<b>26</b>	<b>32</b>	<b>33</b>	<b>97</b>	<b>106</b>	<b>114</b>
Accidents in Canada involving Canadian-registered aircraft	25	31	31	89	95	106
Accidents outside Canada involving Canadian-registered aircraft	0	1	0	5	5	3
Accidents in Canada involving foreign-registered aircraft	1	0	2	3	6	5
<b>Number of accidents by operator type</b>	<b>26</b>	<b>32</b>	<b>33</b>	<b>97</b>	<b>106</b>	<b>114</b>
Commercial	5	6	8	44	29	36
Airliner (705)	0	0	0	2	0	2
Commuter (704)	0	0	0	3	1	1
Air taxi (703)	2	3	4	14	14	15
Aerial work (702)	1	1	2	5	4	6
Foreign/Other (a)	2	2	2	20	11	12
State	0	0	1	0	0	1
Corporate	0	0	0	0	0	1
Private/Other (b)	21	26	24	53	77	76
<b>Number of accidents by aircraft type</b>	<b>26</b>	<b>32</b>	<b>33</b>	<b>97</b>	<b>106</b>	<b>114</b>
Aeroplane	16	26	25	71	86	87
Helicopter	4	1	3	11	10	14
Ultralight	6	3	3	14	7	10
Other (c)	0	2	1	1	3	4
<b>Number of aircraft involved in accidents*</b>	<b>26</b>	<b>32</b>	<b>33</b>	<b>101</b>	<b>108</b>	<b>116</b>
Aeroplanes	16	26	26	75	88	89
Helicopters	4	1	3	11	10	14
Ultralights	6	3	3	14	7	10
Others (c)	0	2	1	1	3	4
<b>Number of fatal accidents by aircraft type</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>9</b>	<b>7</b>	<b>11</b>
Aeroplane	1	3	2	8	7	8
Helicopter	0	0	0	0	0	1
Ultralight	1	0	0	1	0	1
Other (c)	0	0	0	0	0	1
<b>Reportable accident fatalities</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>14</b>	<b>14</b>	<b>20</b>
<b>Reportable accident serious injuries</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>5</b>	<b>10</b>
<b>Accidents in Canada involving foreign-registered aircraft</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>5</b>
Fatal accidents	0	0	0	0	1	1
Fatalities	0	0	0	0	7	2
Serious Injuries	0	0	0	0	0	0
<b>Occurrences with a dangerous good release</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Number of reportable incidents**</b>	<b>86</b>	<b>50</b>	<b>51</b>	<b>459</b>	<b>348</b>	<b>341</b>
Incidents in Canada involving Canadian-registered aircraft	68	37	42	341	255	266
Incidents outside Canada involving Canadian-registered aircraft	10	9	4	77	44	28
Incidents in Canada involving foreign-registered aircraft	12	7	7	57	57	56
<b>Number of reportable incidents by type</b>	<b>86</b>	<b>50</b>	<b>51</b>	<b>459</b>	<b>348</b>	<b>341</b>
Risk of collision/Loss of separation	18	11	9	88	47	51
Declared emergency	36	22	22	173	141	145
Engine failure	7	6	8	48	46	44
Smoke/Fire	11	3	4	49	41	38
Collision	2	0	0	11	2	4
Other	12	8	8	90	71	60

Data extracted July 17, 2017

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

	June			Year to date (June)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
<b>Number of accidents by aircraft and operator type</b>	<b>19</b>	<b>29</b>	<b>28</b>	<b>80</b>	<b>93</b>	<b>99</b>
Aeroplane accidents	15	26	24	68	81	83
Commercial	3	5	6	35	21	25
Airliner (705)	0	0	0	2	0	2
Commuter (704)	0	0	0	3	1	1
Air taxi (703)	1	2	3	9	8	8
Aerial work (702)	1	1	1	5	3	3
Other	1	2	1	16	10	10
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	12	21	18	33	60	57
Helicopter accidents	4	1	3	11	9	14
Commercial	2	1	2	8	6	11
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	2	0	1	3	3	3
Other aircraft accidents (b)	0	2	1	1	3	3
<b>Number of fatal accidents by aircraft and operator type</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>6</b>	<b>9</b>
Aeroplane accidents	1	3	2	8	6	7
Commercial	0	0	0	4	0	2
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	1	0	1
Aerial work (702)	0	0	0	1	0	0
Other	0	0	0	2	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	1	3	2	4	6	6
Helicopter accidents	0	0	0	0	0	1
Other aircraft accidents (b)	0	0	0	0	0	1
<b>Accident fatalities</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>13</b>	<b>7</b>	<b>16</b>
<b>Accident serious injuries</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>7</b>
<b>Number of incidents by type*</b>	<b>78</b>	<b>46</b>	<b>46</b>	<b>418</b>	<b>299</b>	<b>294</b>
Risk of collision/Loss of separation	16	11	9	80	36	45
Declared emergency	34	19	18	159	122	119
Engine failure	7	5	7	43	40	39
Smoke/Fire	10	3	3	46	38	33
Collision	2	0	0	11	2	3
Other	9	8	8	79	61	54
<b>Number of accidents involving ultralight aircraft</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>14</b>	<b>7</b>	<b>9</b>
Fatal accidents	1	0	0	1	0	1
Fatalities	1	0	0	1	0	1
Serious injuries	1	0	1	5	1	3

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\*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 3

## Accidents involving Canadian-registered fixed-wing and rotary-wing aircraft by type of operation

	June			Year to date (June)		
	2017	2016	2012-2016 average	2017	2016	2012-2016 average
<b>Number of accidents by operation type</b>	<b>19</b>	<b>27</b>	<b>27</b>	<b>79</b>	<b>90</b>	<b>97</b>
Aeroplane accidents	15	26	24	68	81	83
Training	1	3	2	17	14	12
Pleasure/Travel	11	16	15	30	51	50
Business	0	1	1	1	2	2
Forest fire management	0	0	0	0	1	1
Test/Demonstration/Ferry	0	0	0	0	1	1
Aerial application	0	2	0	1	2	1
Inspection	0	0	0	0	0	0
Air transport	1	2	3	13	6	10
Air ambulance	0	0	0	0	1	1
Sightseeing	0	0	0	1	0	1
Other/Unknown	2	2	1	5	4	5
Helicopter accidents	4	1	3	11	9	14
Training	1	1	0	3	1	2
Pleasure/Travel	1	0	1	2	3	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	0
Aerial application	0	0	0	0	0	0
Inspection	0	0	0	0	0	1
Air transport	0	0	0	0	2	4
Air ambulance	0	0	0	1	0	0
Sightseeing	1	0	0	1	0	0
Other/Unknown	1	0	0	4	3	4
<b>Number of fatal accidents by operation type</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>8</b>	<b>6</b>	<b>9</b>
Training	0	0	0	2	0	0
Pleasure/Travel	1	3	2	3	6	5
Business	0	0	0	0	0	1
Forest fire management	0	0	0	0	0	0
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	0	0	0
Inspection	0	0	0	0	0	0
Air transport	0	0	0	1	0	1
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	2	0	1
<b>Fatalities</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>13</b>	<b>7</b>	<b>16</b>
<b>Serious injuries</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>7</b>

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

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