The Maine Department of Public Safety, Bureau of Highway Safety and the Maine Department of Transportation are pleased to present the 2018 edition of Maine Highway Safety Facts. This publication provides Maine crash data facts through 2017 giving a view of traffic crashes and their factors. It can be a valuable tool in problem identification, safety education and community activities. Since it is intended to provide a general information overview, the data is presented in a very basic format. Trend lines reflect five-year annual averages. Topics covered represent the most frequently requested information. Data sources are from the Maine Fatal Analysis Reporting System (FARS) and MaineDOT’s crash data system. Any comments or questions you may have about the information are welcome.

Lauren Stewart, Director
Maine Department of Public Safety
Bureau of Highway Safety
lauren.v.stewart@maine.gov
207.626.3841

Robert Skehan, P.E., Director
Maine Department of Transportation
Office of Safety
robert.skehan@maine.gov
207.624.3349

Contacts:

Note: Some of this edition’s data is restated based on system and data definition updates.
Maine Quick Crash Facts
Facts based on average annual experience from 2013-2017

Motor vehicle crashes occurred with the following average frequency:

One fatal crash every 57 hours  
One personal injury crash every 60 minutes  
One property-damage only crash every 22 minutes  
One reportable traffic crash every 16 minutes

There were 32,713 traffic crashes on Maine public roads involving:

51,016 vehicles  
67,412 vehicle occupants (drivers and passengers)  
292 pedestrians  
203 bicyclists  
19 ATVs  
8 snowmobiles

Nearly 15 billion vehicle miles were traveled within the State of Maine.

153 people were killed in traffic crashes. 46 of those deaths were the result of drinking and driving.  
21% of Maine’s crash fatalities occur between 9pm and 2am, even though there is very low traffic volume at this time.

142 fatal crashes

8,203 injury crashes

Collisions involved 45,204 Maine drivers and 4,196 out-of-state drivers.

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142 fatal crashes

8,203 injury crashes

Collisions involved 45,204 Maine drivers and 4,196 out-of-state drivers.
Total reportable crashes on Maine’s public roads.

Crashes per estimated hundred million vehicle miles traveled.
Maine Fatalities

Maine Fatalities as identified in Fatal Analysis Reporting System (www.nhtsa.gov/FARS)

Maine Fatality Rates

Fatalities per estimated hundred million vehicle miles traveled.
Serious Injuries

Maine Serious Injury Outcomes

Maine Top Crash Types Based on Annual Average of Last 5 Years’ Experience (2013-2017)

<table>
<thead>
<tr>
<th>Lead Focus Areas</th>
<th>5 Year Average Annual Crashes</th>
<th>5 Year Average Annual Fatalities</th>
<th>Severity Comparison Fatalities/1000 Crashes</th>
<th>2008-2012 Experience Annual Crashes</th>
<th>2008-2012 Experience Annual Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Crash Types</td>
<td>32,713</td>
<td>153</td>
<td>4.7</td>
<td>29,166</td>
<td>155</td>
</tr>
<tr>
<td>Lane Departure</td>
<td>9400.4</td>
<td>99.8</td>
<td>10.6</td>
<td>9,051.2</td>
<td>108.8</td>
</tr>
<tr>
<td>Speed</td>
<td>4457.0</td>
<td>50.2</td>
<td>11.3</td>
<td>4,989.6</td>
<td>67.4</td>
</tr>
<tr>
<td>Unbelted</td>
<td>119.0</td>
<td>12.0</td>
<td>52.0</td>
<td>116.2</td>
<td>55.0</td>
</tr>
<tr>
<td>16-18 Year Old</td>
<td>2971.4</td>
<td>11.0</td>
<td>3.7</td>
<td>3,364.8</td>
<td>12.8</td>
</tr>
<tr>
<td>16-20 Year Old</td>
<td>5396.6</td>
<td>17.6</td>
<td>3.3</td>
<td>5,869.4</td>
<td>20.4</td>
</tr>
<tr>
<td>21-24 Year Old</td>
<td>4775.2</td>
<td>17.4</td>
<td>3.6</td>
<td>4,343.8</td>
<td>24.6</td>
</tr>
<tr>
<td>Alcohol</td>
<td>1269.6</td>
<td>46.2</td>
<td>36.4</td>
<td>1,343.0</td>
<td>38.8</td>
</tr>
<tr>
<td>Distracted/Inattentive</td>
<td>3317.0</td>
<td>8.4</td>
<td>2.5</td>
<td>7,651.4</td>
<td>31.2</td>
</tr>
<tr>
<td>65-98 Year Old</td>
<td>6036.2</td>
<td>41.0</td>
<td>6.8</td>
<td>4,630.4</td>
<td>32.8</td>
</tr>
<tr>
<td>Motorcycles</td>
<td>566.6</td>
<td>20.4</td>
<td>36.0</td>
<td>598.6</td>
<td>19.4</td>
</tr>
<tr>
<td>Winter</td>
<td>6229.8</td>
<td>13.2</td>
<td>2.1</td>
<td>5,825.6</td>
<td>14.6</td>
</tr>
<tr>
<td>Intersections</td>
<td>9244.0</td>
<td>21.0</td>
<td>2.3</td>
<td>8,469.8</td>
<td>19.0</td>
</tr>
<tr>
<td>Large Trucks</td>
<td>551.6</td>
<td>7.4</td>
<td>13.4</td>
<td>528.8</td>
<td>8.6</td>
</tr>
<tr>
<td>Pedestrians</td>
<td>272.6</td>
<td>15.2</td>
<td>55.8</td>
<td>271.0</td>
<td>11.6</td>
</tr>
<tr>
<td>Moose</td>
<td>324.6</td>
<td>0.8</td>
<td>2.5</td>
<td>453.8</td>
<td>1.2</td>
</tr>
<tr>
<td>Bicycles</td>
<td>200.0</td>
<td>2.4</td>
<td>12.0</td>
<td>197.8</td>
<td>1.2</td>
</tr>
</tbody>
</table>

*NOTE:* The significant variance in this area is due to the 2011 Maine Crash Reporting System (MCRS) change in distracted driving reporting definition.
Crashes by Day of the Week (2008-2017)

<table>
<thead>
<tr>
<th>Day</th>
<th>Percent of Total Crashes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>14%</td>
</tr>
<tr>
<td>Tuesday</td>
<td>16%</td>
</tr>
<tr>
<td>Wednesday</td>
<td>14%</td>
</tr>
<tr>
<td>Thursday</td>
<td>14%</td>
</tr>
<tr>
<td>Friday</td>
<td>16%</td>
</tr>
<tr>
<td>Saturday</td>
<td>12%</td>
</tr>
<tr>
<td>Sunday</td>
<td>10%</td>
</tr>
</tbody>
</table>

Fatalities by Day of the Week (2008-2017)

<table>
<thead>
<tr>
<th>Day</th>
<th>Percent of Total Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>12%</td>
</tr>
<tr>
<td>Tuesday</td>
<td>14%</td>
</tr>
<tr>
<td>Wednesday</td>
<td>16%</td>
</tr>
<tr>
<td>Thursday</td>
<td>14%</td>
</tr>
<tr>
<td>Friday</td>
<td>12%</td>
</tr>
<tr>
<td>Saturday</td>
<td>18%</td>
</tr>
<tr>
<td>Sunday</td>
<td>12%</td>
</tr>
</tbody>
</table>

Lane departure crashes result when a vehicle leaves its designated lane of travel and veers left or right. Two crash types will normally result—either head-on or went-off-road. Those two crash types are further detailed on the following pages.

Lane Departure Crashes

Lane Departure Fatalities

Lane Departure Crashes

Lane Departure Fatalities

Lane departure crashes result when a vehicle leaves its designated lane of travel and veers left or right. Two crash types will normally result—either head-on or went-off-road. Those two crash types are further detailed on the following pages.
Head-on crashes are much more severe than went-off-road. There is an average of 42 fatalities/1,000 crashes for head-on compared to 8.3 fatalities/1,000 crashes in went-off-road crashes.
Went-off-road crashes are more frequent than head-on, occurring 10 times more often.
Intersection Crashes
(Three-, Four- and Five-Leg Intersections)

- Crashes = 9,244
- 5 Year Rolling Avg.

Intersection Fatalities
(Three-, Four- and Five-Leg Intersections)

- Fatalities = 21
- 5 Year Rolling Avg.
Maine Crashes by Road Surface Condition (2013-2017)


Fixed objects struck data, as currently defined, has only been available since 2012.

- Failed to Yield Right-of-Way
- Followed Too Closely
- Drove Too Fast for Conditions
- Exceeded Posted Speed Limit
- Drove Too Fast for Conditions
- Ran Off Roadway
- Failed to Keep in Proper Lane
- Improper Backing
- Improper Turning
- Improper Passing
- Ran Red Light
- Ran Stop Sign
- Erratic, Reckless, and Careless Driving

Average Annual Crashes:

- Failed to Yield Right-of-Way: 4500
- Followed Too Closely: 4000
- Drove Too Fast for Conditions: 3500
- Exceeded Posted Speed Limit: 3000
- Drove Too Fast for Conditions: 2500
- Ran Off Roadway: 2000
- Failed to Keep in Proper Lane: 1500
- Improper Backing: 1000
- Improper Turning: 500
- Improper Passing: 0
- Ran Red Light: 0
- Ran Stop Sign: 0


- Failed to Yield Right-of-Way
- Followed Too Closely
- Exceeded Posted Speed Limit
- Drove Too Fast for Conditions
- Ran Off Roadway
- Failed to Keep in Proper Lane
- Improper Backing
- Improper Turning
- Improper Passing
- Ran Red Light
- Ran Stop Sign
- Erratic, Reckless, and Careless Driving

Average Annual Fatalities:

- Failed to Yield Right-of-Way: 45
- Followed Too Closely: 40
- Exceeded Posted Speed Limit: 35
- Drove Too Fast for Conditions: 30
- Ran Off Roadway: 25
- Failed to Keep in Proper Lane: 20
- Improper Backing: 15
- Improper Turning: 10
- Improper Passing: 5
- Ran Red Light: 0
- Ran Stop Sign: 0
- Erratic, Reckless, and Careless Driving: 0
Maine Fatalities vs. Seat Belt Usage

US usage numbers are from National Highway Traffic Safety Administration (NHTSA)
Maine seat belt usage numbers are developed by local observational studies.
Illegal/Unsafe Speed Crashes

5YAA Crashes = 4,457

5 Year Rolling Avg.

Illegal/Unsafe Speed Fatalities

5YAA Fatalities = 50.2

5 Year Rolling Avg.
Prior to 2011, police crash reports captured general distracted/inattentive driving factors, and 10,000+ distraction/inattention related crashes were reported annually. During 2011, Maine switched to an updated crash report in line with national guidance that now reports on specific distracted practices, but does not include generic inattention, greatly reducing the reported number of distracted crashes. Distracted driving behaviors are usually self-reported. In 2016, Maine’s Crash Report added a ‘Distracted by Unknown Cause’ element.
### Crashes Involving Drivers with Suspended Licenses

<table>
<thead>
<tr>
<th>Year</th>
<th>All Crashes</th>
<th>Suspended Crashes</th>
<th>% of Suspended Crashes</th>
<th>All Fatalities</th>
<th>Suspended Fatalities</th>
<th>% of Suspended Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>35,208</td>
<td>795</td>
<td>2.26%</td>
<td>207</td>
<td>9</td>
<td>4.35%</td>
</tr>
<tr>
<td>2004</td>
<td>35,012</td>
<td>854</td>
<td>2.44%</td>
<td>194</td>
<td>20</td>
<td>10.31%</td>
</tr>
<tr>
<td>2005</td>
<td>35,046</td>
<td>707</td>
<td>2.02%</td>
<td>169</td>
<td>17</td>
<td>10.06%</td>
</tr>
<tr>
<td>2006</td>
<td>32,065</td>
<td>679</td>
<td>2.12%</td>
<td>188</td>
<td>18</td>
<td>9.57%</td>
</tr>
<tr>
<td>2007</td>
<td>33,385</td>
<td>789</td>
<td>2.36%</td>
<td>183</td>
<td>16</td>
<td>8.74%</td>
</tr>
<tr>
<td>2008</td>
<td>31,778</td>
<td>584</td>
<td>1.84%</td>
<td>155</td>
<td>4</td>
<td>2.58%</td>
</tr>
<tr>
<td>2009</td>
<td>28,980</td>
<td>613</td>
<td>2.12%</td>
<td>159</td>
<td>14</td>
<td>8.81%</td>
</tr>
<tr>
<td>2010</td>
<td>27,891</td>
<td>581</td>
<td>2.08%</td>
<td>161</td>
<td>8</td>
<td>4.97%</td>
</tr>
<tr>
<td>2011</td>
<td>28,653</td>
<td>577</td>
<td>2.01%</td>
<td>136</td>
<td>11</td>
<td>8.09%</td>
</tr>
<tr>
<td>2012</td>
<td>28,523</td>
<td>662</td>
<td>2.32%</td>
<td>164</td>
<td>16</td>
<td>9.76%</td>
</tr>
<tr>
<td>2013</td>
<td>30,506</td>
<td>630</td>
<td>2.07%</td>
<td>145</td>
<td>19</td>
<td>13.10%</td>
</tr>
<tr>
<td>2014</td>
<td>31,873</td>
<td>667</td>
<td>2.09%</td>
<td>131</td>
<td>14</td>
<td>10.69%</td>
</tr>
<tr>
<td>2015</td>
<td>32,882</td>
<td>681</td>
<td>2.07%</td>
<td>156</td>
<td>15</td>
<td>9.62%</td>
</tr>
<tr>
<td>2016</td>
<td>33,289</td>
<td>757</td>
<td>2.27%</td>
<td>160</td>
<td>15</td>
<td>9.38%</td>
</tr>
<tr>
<td>2017</td>
<td>34,967</td>
<td>743</td>
<td>2.12%</td>
<td>173</td>
<td>10</td>
<td>5.78%</td>
</tr>
<tr>
<td>5 Year Annual Average</td>
<td>695.6</td>
<td>2.11%</td>
<td>14.6</td>
<td>9.91%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Fatalities by Selected Categories by Year (2013-2017)

<table>
<thead>
<tr>
<th>Year</th>
<th>Pedestrian</th>
<th>Bicycle</th>
<th>Motorcycle</th>
<th>Impaired</th>
<th>% Impaired</th>
<th>Total Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>11</td>
<td>4</td>
<td>14</td>
<td>35</td>
<td>24.1%</td>
<td>145</td>
</tr>
<tr>
<td>2014</td>
<td>9</td>
<td>2</td>
<td>10</td>
<td>33</td>
<td>25.2%</td>
<td>131</td>
</tr>
<tr>
<td>2015</td>
<td>19</td>
<td>0</td>
<td>32</td>
<td>47</td>
<td>30.1%</td>
<td>156</td>
</tr>
<tr>
<td>2016</td>
<td>17</td>
<td>4</td>
<td>19</td>
<td>64</td>
<td>40.0%</td>
<td>160</td>
</tr>
<tr>
<td>2017</td>
<td>20</td>
<td>2</td>
<td>24</td>
<td>52</td>
<td>30.1%</td>
<td>173</td>
</tr>
<tr>
<td>5 Year Avg.</td>
<td>15.2</td>
<td>2.4</td>
<td>19.8</td>
<td>46.2</td>
<td>30.2%</td>
<td>153</td>
</tr>
</tbody>
</table>

This table shows the relationship between select classifications of fatalities compared with the total number of fatalities. The motorcycle category does not include moped or dirt bike involved fatalities.
Crash Rates by Driver Age (2013-2017)

The rates on the next two pages are estimates, based on Maine’s licensed driver population and national estimates on annual mileage driven by age group. Any crash-involved driver in each age group is counted in this data, regardless of fault.

Fatal Crash Rates by Driver Age (2013-2017)

Fatalities include all fatal outcomes when a crash involves a driver in this age group (for any driver, passenger, pedestrian, bicyclist, etc. that died in the crash).
Driver Crashes (Ages 16-18)

- Crashes = 2,971.4

Driver Fatalities (Ages 16-18)

- Fatalities include all fatal outcomes when a crash involves a driver in this age group (for any driver, passenger, pedestrian, bicyclist, etc. that died in the crash).
Driver Crashes (Ages 16-20)

- Crashes = 5,396.6
- 5 Yr. Rolling Avg.

Driver Fatalities (Ages 16-20)

- Fatalities = 17.6
- 5 Yr. Rolling Avg.

Fatalities include all fatal outcomes when a crash involves a driver in this age group (for any driver, passenger, pedestrian, bicyclist, etc. that died in the crash).
**Driver Crashes (Ages 21-24)**

- **5YAA Crashes = 4,775.2**
- **5 Yr. Rolling Avg.**

**Driver Fatalities (Ages 21-24)**

- **5YAA Fatalities = 17.4**
- **5 Yr. Rolling Avg.**

Fatalities include all fatal outcomes when a crash involves a driver in this age group (for any driver, passenger, pedestrian, bicyclist, etc. that died in the crash).
### Mature Driver Crashes (Ages 65-99)

<table>
<thead>
<tr>
<th>Year</th>
<th>65-69</th>
<th>70+</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>47,675</td>
<td>102,719</td>
</tr>
<tr>
<td>2004</td>
<td>49,084</td>
<td>105,750</td>
</tr>
<tr>
<td>2005</td>
<td>50,075</td>
<td>109,905</td>
</tr>
<tr>
<td>2006</td>
<td>51,310</td>
<td>109,659</td>
</tr>
<tr>
<td>2007</td>
<td>54,425</td>
<td>110,616</td>
</tr>
<tr>
<td>2008</td>
<td>58,174</td>
<td>114,247</td>
</tr>
<tr>
<td>2009</td>
<td>61,265</td>
<td>116,697</td>
</tr>
<tr>
<td>2010</td>
<td>81,677</td>
<td>118,323</td>
</tr>
<tr>
<td>2011</td>
<td>67,766</td>
<td>121,280</td>
</tr>
<tr>
<td>2012</td>
<td>72,553</td>
<td>124,625</td>
</tr>
<tr>
<td>2013</td>
<td>76,167</td>
<td>130,121</td>
</tr>
<tr>
<td>2014</td>
<td>80,585</td>
<td>134,162</td>
</tr>
<tr>
<td>2015</td>
<td>85,209</td>
<td>137,842</td>
</tr>
<tr>
<td>2016</td>
<td>87,690</td>
<td>143,654</td>
</tr>
<tr>
<td>2017</td>
<td>88,049</td>
<td>153,067</td>
</tr>
</tbody>
</table>

(BMV figures)

#### 5YAA
- Crashes = 6,036.2
- 5 Year Rolling Avg.

### Mature Driver Fatalities (Ages 65-99)

Fatalities include all fatal outcomes when a crash involves a driver in this age group (for any driver, passenger, pedestrian, bicyclist, etc. that died in the crash).
Pedestrian Crashes

- 5 Year Rolling Avg. Crashes = 272.6

Pedestrian Fatalities

- 5 Year Rolling Avg. Fatalities = 15.2
**Truck Crashes** (Units with Five Axles or More)

- **Crashes**
  - 2008: 551.6
  - 5 Year Rolling Avg.: 543.2

**Trucking Fatalities** (Units with Five Axles or More)

- **Fatalities**
  - 2008: 7.4
  - 5 Year Rolling Avg.: 6.7

- **5YAA Fatalities = 7.4**
- **5 Year Rolling Avg.**
**Commercial Vehicle Crashes**

- Crashes = 1,120.6
- 5YAA Crashes = 1,120.6
- 5 Year Rolling Avg.

**Commercial Vehicle Fatalities**

- Fatalities = 19.6
- 5YAA Fatalities = 19.6
- 5 Year Rolling Avg.
Motorcycle Crashes

- Crashes = 566.6
- 5 Year Rolling Avg.

Motorcycle Fatalities

- Fatalities = 19
- 5 Year Rolling Avg.

NOTE: Includes bicyclist and pedestrian fatalities when struck by a motorcycle.

Motorcycle Registrations

- 2008: 51,414
- 2009: 49,563
- 2010: 48,561
- 2011: 59,032
- 2012: 50,613
- 2013: 50,405
- 2014: 54,675
- 2015: 55,184
- 2016: 54,767
- 2017: 53,808

Information from Maine Bureau of Motor Vehicles Statistics - All Motorcycle Plate Types
Large Animals (Deer and Moose)

Deer and Moose Crashes

Deer Crashes = 4,505.6
Moose Crashes = 324.6

Deer and Moose Fatalities

NOTE: Of the five deer fatalities shown, all were collisions with motorcycles.
### Maine Deer and Moose Crashes by County (2008-2017)

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>DEER CRASHES</th>
<th>MOOSE CRASHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Androscoggin</td>
<td>1,948</td>
<td>34</td>
</tr>
<tr>
<td>Aroostook</td>
<td>2,017</td>
<td>1556</td>
</tr>
<tr>
<td>Cumberland</td>
<td>4,939</td>
<td>115</td>
</tr>
<tr>
<td>Franklin</td>
<td>1,331</td>
<td>363</td>
</tr>
<tr>
<td>Hancock</td>
<td>2,922</td>
<td>63</td>
</tr>
<tr>
<td>Kennebec</td>
<td>3,693</td>
<td>90</td>
</tr>
<tr>
<td>Knox</td>
<td>936</td>
<td>17</td>
</tr>
<tr>
<td>Lincoln</td>
<td>729</td>
<td>21</td>
</tr>
<tr>
<td>Oxford</td>
<td>1,755</td>
<td>273</td>
</tr>
<tr>
<td>Penobscot</td>
<td>5,179</td>
<td>556</td>
</tr>
<tr>
<td>Piscataquis</td>
<td>939</td>
<td>155</td>
</tr>
<tr>
<td>Sagadahoc</td>
<td>894</td>
<td>11</td>
</tr>
<tr>
<td>Somerset</td>
<td>2,494</td>
<td>260</td>
</tr>
<tr>
<td>Waldo</td>
<td>1,895</td>
<td>31</td>
</tr>
<tr>
<td>Washington</td>
<td>1,625</td>
<td>209</td>
</tr>
<tr>
<td>York</td>
<td>3,321</td>
<td>103</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>36,617</strong></td>
<td><strong>4,556</strong></td>
</tr>
</tbody>
</table>

### Deer and Moose Crashes by Month (2008-2017)

![Graph showing deer and moose crashes by month from January 2008 to December 2017. Peaks in crashes are observed in April and October.](image-url)

- Dusk: 3%
- Dark: 24%
- Dawn: 7%
- Daylight: 66%

Moose Crashes by Light Conditions (2008-2017)

- Dusk: 2%
- Dark: 15%
- Dawn: 7%
- Daylight: 76%