This month's key figures

- There was a total of 102 road deaths during the month of August 2018. The current figure is 8.3 per cent lower than the average for August over the previous five years.

- During the 12 months ended August 2018, there were 1,207 road deaths. This is a decrease of 0.7 per cent from the 12-month period ending August 2017.

- Presently, the rate of annual deaths per 100,000 population stands at 4.9. This is 2.2 per cent decrease compared to the rate for the 12-month period ending August 2017.

Monthly Australian road deaths — last five years, with trend

Data Sources

Data are obtained from

- Transport for NSW
- Vicroads
- Department of Transport and Main Roads, Queensland
- Department of Planning, Transport and Infrastructure, S.A.
- Western Australia Police
- Department of State Growth, Tasmania
- Department of Transport, Northern Territory
- Territory and Municipal Services Directorate, ACT
- Australian Bureau of Statistics (3101.0)

Inquiries

For further information about data in this bulletin, contact:

Bureau of Infrastructure, Transport and Regional Economics
Web: www.bitre.gov.au
Email: roadsafety@infrastructure.gov.au

Road deaths from recent months are preliminary and subject to revision.

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1. Deaths by jurisdiction

Table 1.1  
**Current month**

<table>
<thead>
<tr>
<th>Current month</th>
<th>NSW</th>
<th>Vic</th>
<th>Qld</th>
<th>SA</th>
<th>WA</th>
<th>Tas</th>
<th>NT</th>
<th>ACT</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2017</td>
<td>41</td>
<td>26</td>
<td>17</td>
<td>15</td>
<td>11</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>112</td>
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<tr>
<td>August 2018</td>
<td>34</td>
<td>18</td>
<td>28</td>
<td>3</td>
<td>14</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>102</td>
</tr>
<tr>
<td><strong>Per cent change</strong></td>
<td>-17.1</td>
<td>-30.8</td>
<td>64.7</td>
<td>-80.0</td>
<td>27.3</td>
<td>0.0</td>
<td>-</td>
<td>-</td>
<td>-8.9</td>
</tr>
</tbody>
</table>

Table 1.2  
**Year to date**

<table>
<thead>
<tr>
<th>Year to date</th>
<th>NSW</th>
<th>Vic</th>
<th>Qld</th>
<th>SA</th>
<th>WA</th>
<th>Tas</th>
<th>NT</th>
<th>ACT</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2017 - August 2017</td>
<td>254</td>
<td>168</td>
<td>158</td>
<td>65</td>
<td>97</td>
<td>21</td>
<td>20</td>
<td>4</td>
<td>787</td>
</tr>
<tr>
<td>January 2018 - August 2018</td>
<td>245</td>
<td>135</td>
<td>177</td>
<td>45</td>
<td>106</td>
<td>21</td>
<td>34</td>
<td>7</td>
<td>770</td>
</tr>
<tr>
<td><strong>Per cent change</strong></td>
<td>-3.5</td>
<td>-19.6</td>
<td>12.0</td>
<td>-30.8</td>
<td>9.3</td>
<td>0.0</td>
<td>70.0</td>
<td>75.0</td>
<td>-2.2</td>
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</tbody>
</table>

Table 1.3  
**Year ending August**

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>NSW</th>
<th>Vic</th>
<th>Qld</th>
<th>SA</th>
<th>WA</th>
<th>Tas</th>
<th>NT</th>
<th>ACT</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>324</td>
<td>255</td>
<td>230</td>
<td>84</td>
<td>165</td>
<td>39</td>
<td>41</td>
<td>8</td>
<td>1,146</td>
</tr>
<tr>
<td>2015</td>
<td>329</td>
<td>255</td>
<td>233</td>
<td>111</td>
<td>176</td>
<td>34</td>
<td>45</td>
<td>12</td>
<td>1,195</td>
</tr>
<tr>
<td>2016</td>
<td>382</td>
<td>278</td>
<td>247</td>
<td>92</td>
<td>179</td>
<td>36</td>
<td>44</td>
<td>13</td>
<td>1,271</td>
</tr>
<tr>
<td>2017</td>
<td>370</td>
<td>257</td>
<td>246</td>
<td>98</td>
<td>166</td>
<td>34</td>
<td>36</td>
<td>9</td>
<td>1,216</td>
</tr>
<tr>
<td>2018</td>
<td>380</td>
<td>226</td>
<td>266</td>
<td>80</td>
<td>168</td>
<td>34</td>
<td>45</td>
<td>8</td>
<td>1,207</td>
</tr>
<tr>
<td><strong>Latest per cent change</strong></td>
<td>2.7</td>
<td>-12.1</td>
<td>8.1</td>
<td>-18.4</td>
<td>1.2</td>
<td>0.0</td>
<td>25.0</td>
<td>-11.1</td>
<td>-0.7</td>
</tr>
<tr>
<td><strong>Average trend change per year (per cent)</strong></td>
<td>4.5</td>
<td>-2.3</td>
<td>3.5</td>
<td>-2.2</td>
<td>-0.2</td>
<td>-2.7</td>
<td>-0.4</td>
<td>-2.8</td>
<td>1.2</td>
</tr>
</tbody>
</table>

2. Deaths by road user, age-group and gender

Table 2.1  
**By road user**

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>Driver</th>
<th>Passenger</th>
<th>Pedestrian</th>
<th>Motorcyclist&lt;sup&gt;b&lt;/sup&gt;</th>
<th>Pedal&lt;sup&gt;c&lt;/sup&gt; cyclist</th>
<th>Total&lt;sup&gt;c&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>525</td>
<td>219</td>
<td>156</td>
<td>193</td>
<td>52</td>
<td>1,146</td>
</tr>
<tr>
<td>2015</td>
<td>531</td>
<td>251</td>
<td>165</td>
<td>211</td>
<td>32</td>
<td>1,195</td>
</tr>
<tr>
<td>2016</td>
<td>631</td>
<td>212</td>
<td>166</td>
<td>225</td>
<td>36</td>
<td>1,271</td>
</tr>
<tr>
<td>2017</td>
<td>564</td>
<td>222</td>
<td>162</td>
<td>231</td>
<td>29</td>
<td>1,216</td>
</tr>
<tr>
<td>2018</td>
<td>565</td>
<td>216</td>
<td>182</td>
<td>192</td>
<td>43</td>
<td>1,207</td>
</tr>
<tr>
<td><strong>Latest per cent change</strong></td>
<td>0.2</td>
<td>-2.7</td>
<td>12.3</td>
<td>-16.9</td>
<td>48.3</td>
<td>-0.7</td>
</tr>
<tr>
<td><strong>Average trend change per year (per cent)</strong></td>
<td>2.1</td>
<td>-1.5</td>
<td>2.9</td>
<td>0.8</td>
<td>-4.7</td>
<td>1.2</td>
</tr>
</tbody>
</table>

Table 2.2  
**By age-group<sup>3</sup> (years)**

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>0 to 16</th>
<th>17 to 25</th>
<th>26 to 39</th>
<th>40 to 64</th>
<th>65 to 74</th>
<th>≥ 75</th>
<th>Total&lt;sup&gt;c&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>63</td>
<td>217</td>
<td>234</td>
<td>375</td>
<td>118</td>
<td>137</td>
<td>1,146</td>
</tr>
<tr>
<td>2015</td>
<td>74</td>
<td>246</td>
<td>274</td>
<td>348</td>
<td>105</td>
<td>148</td>
<td>1,195</td>
</tr>
<tr>
<td>2016</td>
<td>49</td>
<td>240</td>
<td>280</td>
<td>427</td>
<td>115</td>
<td>160</td>
<td>1,271</td>
</tr>
<tr>
<td>2017</td>
<td>62</td>
<td>248</td>
<td>261</td>
<td>361</td>
<td>104</td>
<td>180</td>
<td>1,216</td>
</tr>
<tr>
<td>2018</td>
<td>43</td>
<td>231</td>
<td>248</td>
<td>405</td>
<td>135</td>
<td>140</td>
<td>1,207</td>
</tr>
<tr>
<td><strong>Latest per cent change</strong></td>
<td>-30.6</td>
<td>-6.9</td>
<td>-5.0</td>
<td>12.2</td>
<td>29.8</td>
<td>-22.2</td>
<td>-0.7</td>
</tr>
<tr>
<td><strong>Average trend change per year (per cent)</strong></td>
<td>-9.0</td>
<td>1.3</td>
<td>0.7</td>
<td>1.9</td>
<td>2.6</td>
<td>2.4</td>
<td>1.2</td>
</tr>
</tbody>
</table>
2. Deaths by road user, age-group and gender (continued)

Table 2.3 By gender

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>Males</th>
<th>Females</th>
<th>Total $^d$</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>833</td>
<td>312</td>
<td>1,146</td>
</tr>
<tr>
<td>2015</td>
<td>849</td>
<td>346</td>
<td>1,195</td>
</tr>
<tr>
<td>2016</td>
<td>925</td>
<td>346</td>
<td>1,271</td>
</tr>
<tr>
<td>2017</td>
<td>888</td>
<td>327</td>
<td>1,216</td>
</tr>
<tr>
<td>2018</td>
<td>904</td>
<td>302</td>
<td>1,207</td>
</tr>
</tbody>
</table>

Latest per cent change: 1.8 -7.6 -0.7
Average trend change: 2.1 -1.2 1.2

---

a Age groups were changed in March 2014.
b Includes pillion passengers.
c Includes deaths to persons with either age or road user type not recorded.
d Includes deaths to persons with gender not recorded.

3. Annual deaths per 100,000 population

Table 3.1 Year ended August

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>NSW</th>
<th>Vic</th>
<th>Qld</th>
<th>SA</th>
<th>WA</th>
<th>Tas</th>
<th>NT</th>
<th>ACT</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>4.33</td>
<td>4.35</td>
<td>4.90</td>
<td>4.99</td>
<td>6.58</td>
<td>7.60</td>
<td>16.90</td>
<td>2.06</td>
<td>4.90</td>
</tr>
<tr>
<td>2015</td>
<td>4.34</td>
<td>4.26</td>
<td>4.90</td>
<td>6.54</td>
<td>6.95</td>
<td>6.61</td>
<td>18.52</td>
<td>3.05</td>
<td>5.04</td>
</tr>
<tr>
<td>2016</td>
<td>4.96</td>
<td>4.54</td>
<td>5.13</td>
<td>5.38</td>
<td>7.01</td>
<td>6.97</td>
<td>18.00</td>
<td>3.24</td>
<td>5.28</td>
</tr>
<tr>
<td>2017</td>
<td>4.73</td>
<td>4.10</td>
<td>5.02</td>
<td>5.70</td>
<td>6.47</td>
<td>6.53</td>
<td>14.64</td>
<td>2.20</td>
<td>4.98</td>
</tr>
<tr>
<td>2018</td>
<td>4.79</td>
<td>3.53</td>
<td>5.35</td>
<td>4.63</td>
<td>6.49</td>
<td>6.47</td>
<td>18.28</td>
<td>1.92</td>
<td>4.86</td>
</tr>
</tbody>
</table>

Latest per cent change: 1.3 -14.0 -18.9 -0.3 -0.9 24.9 -13.0 -2.2
Average trend change: 2.9 -4.5 2.0 -2.9 -0.9 -3.3 -0.8 -4.6 -0.3

---

Table 3.2 Calendar year period

<table>
<thead>
<tr>
<th>Calendar year</th>
<th>NSW</th>
<th>Vic</th>
<th>Qld</th>
<th>SA</th>
<th>WA</th>
<th>Tas</th>
<th>NT</th>
<th>ACT</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>4.50</td>
<td>4.21</td>
<td>5.82</td>
<td>5.86</td>
<td>6.51</td>
<td>7.03</td>
<td>15.31</td>
<td>1.83</td>
<td>5.13</td>
</tr>
<tr>
<td>2014</td>
<td>4.09</td>
<td>4.21</td>
<td>4.72</td>
<td>6.40</td>
<td>7.27</td>
<td>6.42</td>
<td>16.06</td>
<td>2.57</td>
<td>4.90</td>
</tr>
<tr>
<td>2015</td>
<td>4.60</td>
<td>4.18</td>
<td>5.09</td>
<td>6.00</td>
<td>6.30</td>
<td>6.60</td>
<td>20.03</td>
<td>3.79</td>
<td>5.06</td>
</tr>
<tr>
<td>2016</td>
<td>4.91</td>
<td>4.70</td>
<td>5.18</td>
<td>5.02</td>
<td>7.55</td>
<td>7.15</td>
<td>18.32</td>
<td>2.73</td>
<td>5.34</td>
</tr>
<tr>
<td>2017</td>
<td>4.95</td>
<td>4.10</td>
<td>5.01</td>
<td>5.80</td>
<td>6.17</td>
<td>6.51</td>
<td>12.53</td>
<td>1.21</td>
<td>4.98</td>
</tr>
</tbody>
</table>

Latest per cent change: 0.7 -12.8 -3.3 15.5 -18.2 -8.9 -31.6 -55.5 -6.9
4. Monthly deaths by jurisdiction — last 24 months

Figure 4.1 NSW

Figure 4.2 Vic

Figure 4.3 Qld

Figure 4.4 SA

Figure 4.5 WA

Figure 4.6 Tas

Figure 4.7 NT

Figure 4.8 ACT
5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>Crash type</th>
<th>Posted speed limit</th>
<th>Latest per cent change</th>
<th>Average trend change per year (per cent)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single</td>
<td>Multiple</td>
<td>Pedestrian</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>2014</td>
<td>466</td>
<td>435</td>
<td>154</td>
<td>12</td>
</tr>
<tr>
<td>2015</td>
<td>481</td>
<td>443</td>
<td>163</td>
<td>16</td>
</tr>
<tr>
<td>2016</td>
<td>536</td>
<td>474</td>
<td>166</td>
<td>12</td>
</tr>
<tr>
<td>2017</td>
<td>490</td>
<td>476</td>
<td>161</td>
<td>23</td>
</tr>
<tr>
<td>2018</td>
<td>488</td>
<td>450</td>
<td>181</td>
<td>20</td>
</tr>
<tr>
<td>Latest per cent change</td>
<td>-0.4</td>
<td>-5.5</td>
<td>12.4</td>
<td>-13.0</td>
</tr>
<tr>
<td>Average trend change</td>
<td>1.1</td>
<td>1.4</td>
<td>3.2</td>
<td>14.8</td>
</tr>
</tbody>
</table>

Table 5.2 By Day of week and Time of day

<table>
<thead>
<tr>
<th>12 months ended August</th>
<th>Day of week</th>
<th>Time of day</th>
<th>Latest per cent change</th>
<th>Average trend change per year (per cent)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weekday</td>
<td>Weekend</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Day</td>
<td>Night</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>636</td>
<td>419</td>
<td>673</td>
<td>382</td>
</tr>
<tr>
<td>2015</td>
<td>669</td>
<td>418</td>
<td>669</td>
<td>418</td>
</tr>
<tr>
<td>2016</td>
<td>722</td>
<td>454</td>
<td>715</td>
<td>461</td>
</tr>
<tr>
<td>2017</td>
<td>707</td>
<td>420</td>
<td>719</td>
<td>408</td>
</tr>
<tr>
<td>2018</td>
<td>680</td>
<td>439</td>
<td>687</td>
<td>432</td>
</tr>
<tr>
<td>Latest per cent change</td>
<td>-3.8</td>
<td>4.5</td>
<td>-4.5</td>
<td>5.9</td>
</tr>
<tr>
<td>Average trend change</td>
<td>1.9</td>
<td>1.0</td>
<td>1.1</td>
<td>2.2</td>
</tr>
</tbody>
</table>

Note:

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash where there is no pedestrian killed.

b Includes crashes where speed limit is unknown or where the posted speed limit is 30km/hr or less.

c 'Weekday' refers to 6am Monday through to 5:59pm Friday.

d 'Day' refers to 6am through to 5:59 pm.

Appendix

Definition

The road safety agencies in each jurisdiction use detailed criteria to define road crashes and road deaths. Briefly, a death is classified as resulting from a road crash if the crash occurred on a public road, is unintentional and the death occurred within 30 days from injuries sustained in the crash.

Population rates

Rates per population are based on the deaths to the current 12-month period, and the population at the midpoint of the period. The population at midpoints is interpolated if necessary.

New ongoing fields in September 2018 database

The Australian Road Deaths Database now includes geographic location information for fatal crashes. Back series of data for all jurisdictions is in development.

Average trend change (% per year)

Designed to provide a one-number summary of growth rates over recent time periods. Calculated by fitting an exponential curve through the data points, and quoting the constant (annual) change of this curve.

Smooth trend lines

These trend lines are designed to track medium-term trends and turning points in the raw data. Whittaker-Henderson smoothers have been used with value of 80 for the smoothing parameter. The application R (package pracma) can be used for such trend lines. Error bounds are 90% (approximately) around the monthly data.

Other sources for the tables in this bulletin

The underlying database used to produce this bulletin — the Australian Road Deaths Database is available for data extraction at <http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx>

Road deaths from recent months are preliminary and subject to revision.