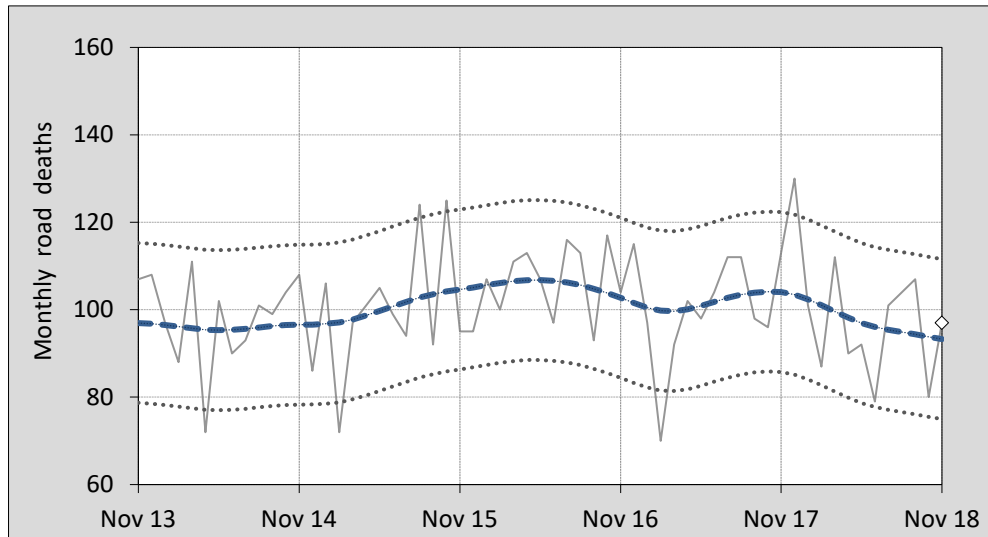




### This month's key figures

- There was a total of 97 road deaths during the month of November 2018. The current figure is 8.0 per cent lower than the average for November over the previous five years.
- During the 12 months ended November 2018, there were 1,180 road deaths. This is a decrease of 2.4 per cent from the 12-month period ending November 2017.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is 3.9 per cent decrease compared to the rate for the 12-month period ending November 2017.

### Monthly road deaths—last five years, with trend and error bounds



Note. Shown is a trend and a 90 per cent prediction interval for the monthly observations.

#### 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](http://www.bitre.gov.au)  
 Email : [roadsafety@infrastructure.gov.au](mailto:roadsafety@infrastructure.gov.au)

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

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## I. Deaths by jurisdiction

**Table I.1** Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
November 2017	38	32	14	11	12	4	1	1	113
November 2018	24	21	18	13	15	3	3	0	97
Per cent change	-36.8	-34.4	28.6	18.2	25.0	-25.0	200.0	-100.0	-14.2

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2017 - November 2017	349	230	223	91	138	31	27	5	1,094
January 2018 - November 2018	331	194	223	72	145	29	47	9	1,050
Per cent change	-5.2	-15.7	0.0	-20.9	5.1	-6.5	74.1	80.0	-4.0

**Table I.3** Year ending November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	317	265	229	94	181	38	39	10	1,173
2015	340	246	243	117	160	34	44	12	1,196
2016	380	284	234	85	191	36	48	15	1,273
2017	377	255	253	97	157	34	31	5	1,209
2018	371	223	247	81	166	32	51	9	1,180
Latest per cent change	-1.6	-12.5	-2.4	-16.5	5.7	-5.9	64.5	80.0	-2.4
Average trend change per year (per cent)	4.3	-3.0	1.9	-4.7	-1.9	-3.4	1.9	-10.3	0.2

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

**Table 2.1** By road user

12 months ended November	Driver	Passenger	Pedestrian	Motorcyclist <sup>b</sup>	Pedal <sup>b</sup> cyclist	Total <sup>c</sup>
2014	531	232	158	200	49	1,173
2015	553	246	162	203	29	1,196
2016	615	207	176	241	32	1,273
2017	552	234	165	212	38	1,209
2018	563	207	166	203	34	1,180
Latest per cent change	2.0	-11.5	0.6	-4.2	-10.5	-2.4
Average trend change per year (per cent)	1.2	-2.7	1.2	0.7	-4.5	0.2

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

12 months ended November	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>c</sup>
2014	66	235	255	364	117	134	1,173
2015	64	230	264	368	119	151	1,196
2016	56	258	284	409	102	164	1,273
2017	56	240	249	376	116	172	1,209
2018	48	228	255	388	117	140	1,180
Latest per cent change	-14.3	-5.0	2.4	3.2	0.9	-18.6	-2.4
Average trend change per year (per cent)	-7.4	-0.2	-0.6	1.5	-0.3	2.2	0.2

## 2. Deaths by road user, age-group and gender (continued)

**Table 2.3** By gender

12 months ended November	Males	Females	Total <sup>d</sup>
2014	843	329	1,173
2015	856	340	1,196
2016	935	338	1,273
2017	895	313	1,209
2018	872	307	1,180
<i>Latest per cent change</i>	-2.6	-1.9	-2.4
<i>Average trend change per year (per cent)</i>	1.1	-2.2	0.2

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 November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	4.23	4.50	4.86	5.58	7.19	7.40	16.06	2.57	5.00
2015	4.47	4.09	5.09	6.88	6.30	6.60	18.02	3.04	5.03
2016	4.92	4.61	4.84	4.96	7.47	6.96	19.57	3.73	5.27
2017	4.79	4.03	5.14	5.62	6.10	6.51	12.58	1.21	4.91
2018	4.65	3.45	4.93	4.66	6.39	6.06	20.68	2.14	4.72
<i>Latest per cent change</i>	-2.9	-14.4	-4.0	-17.1	4.8	-6.9	64.5	76.4	-3.9
<i>Average trend change per year (per cent)</i>	2.6	-5.3	0.4	-5.4	-2.7	-4.0	1.5	-12.1	-1.4

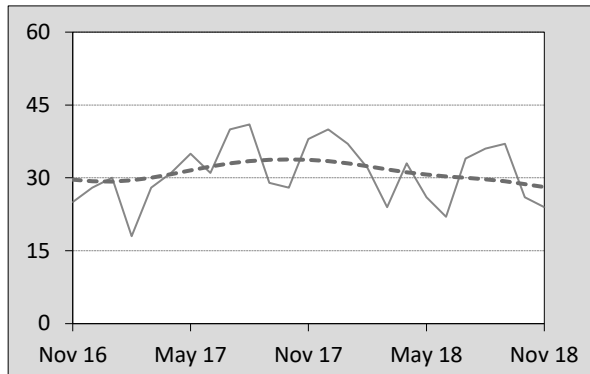
**Table 3.2** Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4.50	4.21	5.82	5.86	6.51	7.03	15.31	1.83	5.13
2014	4.09	4.21	4.72	6.40	7.27	6.42	16.06	2.57	4.90
2015	4.60	4.18	5.09	6.00	6.30	6.60	20.03	3.79	5.06
2016	4.91	4.70	5.18	5.02	7.55	7.15	18.32	2.73	5.34
2017	4.94	4.10	5.01	5.80	6.18	6.51	12.52	1.21	4.98
<i>Latest per cent change</i>	0.6	-12.8	-3.3	15.5	-18.2	-8.9	-31.7	-55.5	-6.9

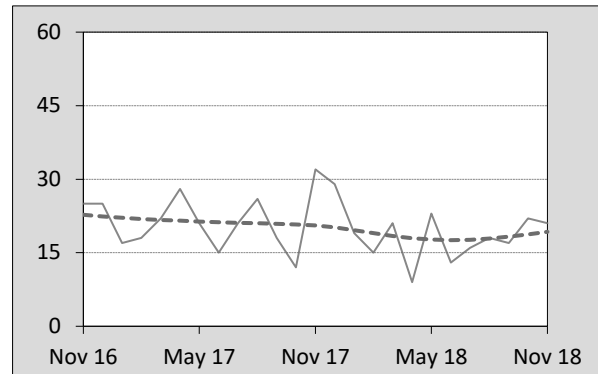
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
 (Whittaker-Henderson)

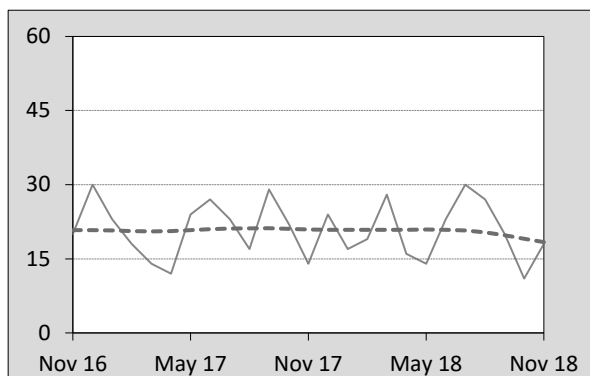
**Figure 4.1 NSW**



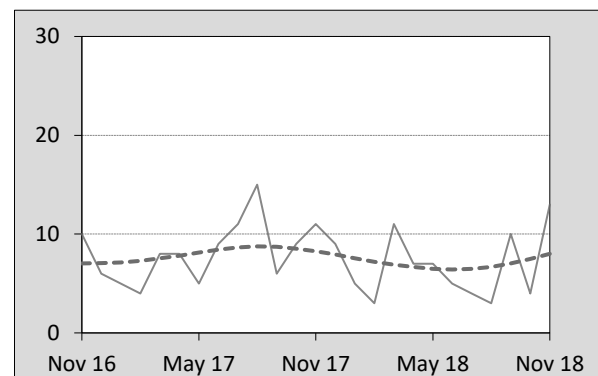
**Figure 4.2 Vic**



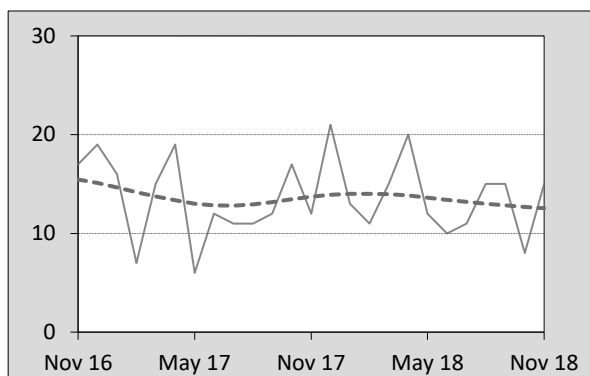
**Figure 4.3 Qld**



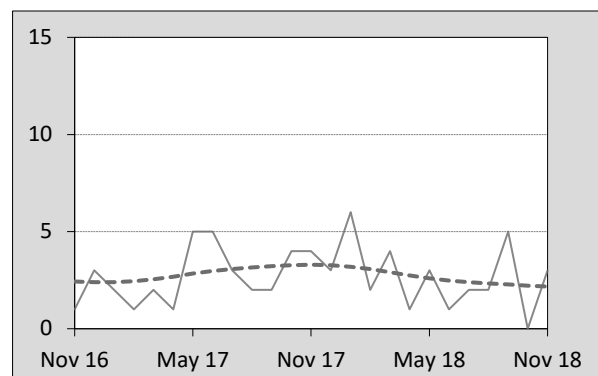
**Figure 4.4 SA**



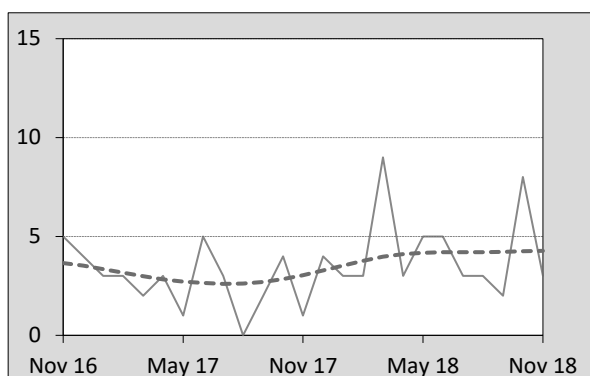
**Figure 4.5 WA**



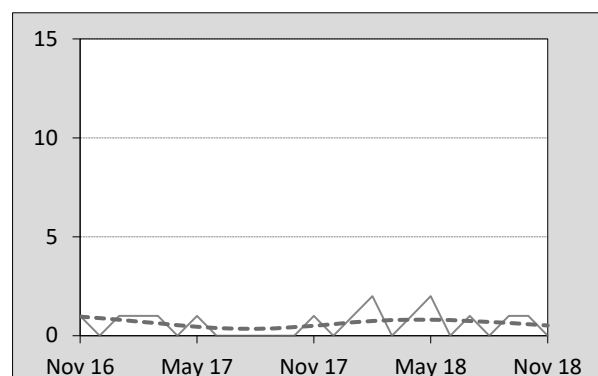
**Figure 4.6 Tas**



**Figure 4.7 NT**



**Figure 4.8 ACT**



## 5. Fatal crashes: counts and characteristics

**Table 5.1** By Crash type and Posted speed limit

12 months ended November	Crash type <sup>a</sup>			Posted speed limit						Total <sup>b</sup>
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2014	476	440	157	15	115	196	234	368	128	1,073
2015	492	440	160	17	119	215	246	345	139	1,092
2016	514	489	176	18	127	216	288	356	165	1,179
2017	487	466	163	30	145	203	238	345	144	1,116
2018	501	429	165	17	134	187	236	330	148	1,095
Latest per cent change	2.9	-7.9	1.2	-43.3	-7.6	-7.9	-0.8	-4.3	2.8	-1.9
Average trend change per year (per cent)	0.9	0.1	1.2	8.5	5.2	-1.5	-0.2	-2.2	3.3	0.6

**Table 5.2** By Day of week and Time of day

12 months ended November	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2014	671	402	683	390
2015	668	424	673	419
2016	719	460	709	470
2017	699	417	698	418
2018	663	432	684	411
Latest per cent change	-5.2	3.6	-2.0	-1.7
Average trend change per year (per cent)	0.2	1.3	0.4	1.0

- 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](http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx)>.

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

## 6. Supplementary data — Road Type

This month's supplementary section presents an analysis of fatal crashes by PSMA<sup>a</sup> Road Type.

**Table 6.1** Proportion of deaths by Road Type  
—within jurisdiction and time period

NSW	2015	2016	2017	2018 YTD
Nat. / State Highway	26%	25%	29%	27%
Arterial Road	35%	33%	29%	33%
Sub-arterial Road	13%	13%	12%	13%
Collector Road	10%	7%	10%	9%
Local Road	16%	22%	19%	17%
Other <sup>b</sup>	0%	0%	1%	2%
Not available	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Vic	2015	2016	2017	2018 YTD
Nat. / State Highway	31%	23%	23%	28%
Arterial Road	24%	35%	32%	27%
Sub-arterial Road	16%	20%	18%	16%
Collector Road	7%	6%	6%	7%
Local Road	21%	15%	19%	19%
Other <sup>b</sup>	0%	1%	1%	3%
Not available	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Qld	2015	2016	2017	2018 YTD
Nat. / State Highway	-	-	-	29%
Arterial Road	-	-	-	0%
Sub-arterial Road	-	-	-	33%
Collector Road	-	-	-	11%
Local Road	-	-	-	24%
Other <sup>b</sup>	-	-	-	2%
Not available	100%	100%	100%	1%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>1</b>	<b>100%</b>

SA	2015	2016	2017	2018 YTD
Nat. / State Highway	21%	30%	18%	28%
Arterial Road	28%	24%	25%	16%
Sub-arterial Road	22%	18%	27%	15%
Collector Road	10%	9%	16%	6%
Local Road	18%	16%	13%	13%
Other <sup>b</sup>	1%	3%	1%	0%
Not available	0%	0%	0%	22%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

WA	2015	2016	2017	2018 YTD
Nat. / State Highway	30%	28%	35%	0%
Arterial Road	35%	35%	25%	0%
Sub-arterial Road	0%	0%	0%	0%
Collector Road	0%	0%	0%	0%
Local Road	20%	28%	29%	0%
Other <sup>b</sup>	1%	0%	0%	0%
Not available	14%	9%	11%	100%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Tas	2015	2016	2017	2018 YTD
Nat. / State Highway	22%	45%	18%	28%
Arterial Road	25%	27%	30%	31%
Sub-arterial Road	16%	6%	18%	21%
Collector Road	13%	12%	18%	7%
Local Road	19%	9%	15%	7%
Other <sup>b</sup>	3%	0%	0%	7%
Not available	3%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

NT	2015	2016	2017	2018 YTD
Nat. / State Highway	19%	30%	19%	13%
Arterial Road	38%	33%	22%	28%
Sub-arterial Road	29%	20%	30%	33%
Collector Road	0%	3%	0%	3%
Local Road	10%	13%	22%	8%
Other <sup>b</sup>	5%	3%	7%	15%
Not available	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

ACT	2015	2016	2017	2018 YTD
Nat. / State Highway	7%	27%	20%	11%
Arterial Road	21%	0%	0%	0%
Sub-arterial Road	0%	0%	0%	0%
Collector Road	29%	36%	40%	11%
Local Road	43%	36%	20%	56%
Other <sup>b</sup>	0%	0%	0%	0%
Not available	0%	0%	20%	22%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

### Notes:

- a <https://www.pdma.com.au/sites/default/files/Transport-and-Topography-Product-Description1.pdf>  
 b 'Other' comprises Access roads, Pedestrian Thoroughfares, Busways and Paths.