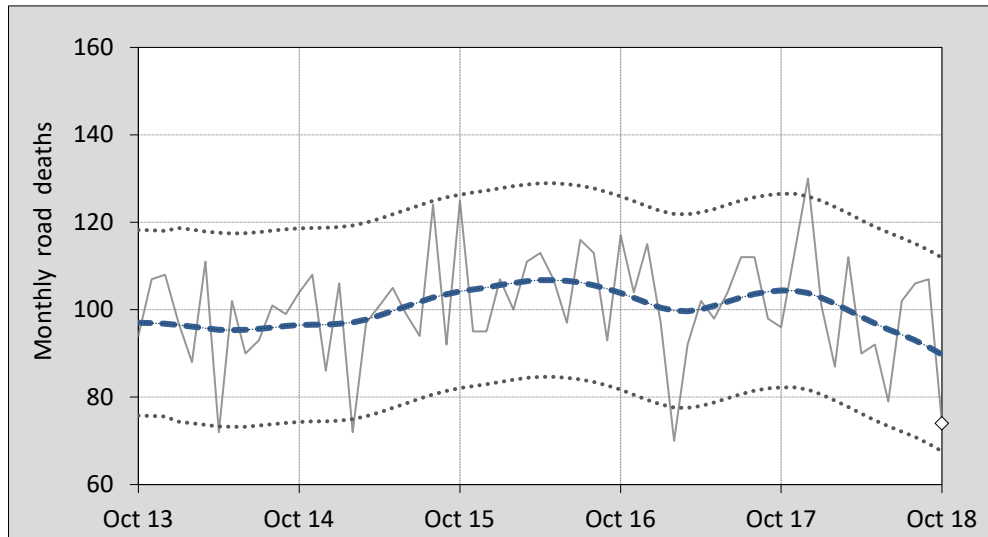




### This month's key figures

- There was a total of 74 road deaths during the month of October 2018. The current figure is 31.0 per cent lower than the average for October over the previous five years.
- During the 12 months ended October 2018, there were 1,193 road deaths. This is a decrease of 0.6 per cent from the 12-month period ending October 2017.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is 2.1 per cent decrease compared to the rate for the 12-month period ending October 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.

© Copyright. Commonwealth of Australia

## I. Deaths by jurisdiction

**Table I.1** Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
October 2017	28	12	22	9	17	4	4	0	96
October 2018	23	18	11	5	8	0	8	1	74
Per cent change	-17.9	50.0	-50.0	-44.4	-52.9	-100.0	100.0	-	-22.9

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2017 - October 2017	311	198	209	80	126	27	26	4	981
January 2018 - October 2018	306	169	206	60	130	26	44	9	950
Per cent change	-1.6	-14.6	-1.4	-25.0	3.2	-3.7	69.2	125.0	-3.2

**Table I.3** Year ending October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	322	260	229	95	178	40	39	9	1,172
2015	337	257	239	117	165	37	45	12	1,209
2016	387	276	238	83	185	36	44	15	1,264
2017	364	248	259	96	162	31	35	5	1,200
2018	384	230	244	80	163	33	49	10	1,193
Latest per cent change	5.5	-7.3	-5.8	-16.7	0.6	6.5	40.0	100.0	-0.6
Average trend change per year (per cent)	4.4	-2.8	2.1	-5.3	-1.9	-5.5	2.1	-6.4	0.3

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

**Table 2.1** By road user

12 months ended October	Driver	Passenger	Pedestrian	Motorcyclist <sup>b</sup>	Pedal <sup>b</sup> cyclist	Total <sup>c</sup>
2014	539	233	157	191	49	1,172
2015	556	249	159	211	31	1,209
2016	614	204	173	240	31	1,264
2017	551	230	161	214	36	1,200
2018	569	213	174	193	36	1,193
Latest per cent change	3.3	-7.4	8.1	-9.8	0.0	-0.6
Average trend change per year (per cent)	1.0	-2.6	2.2	0.4	-4.6	0.3

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

12 months ended October	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>c</sup>
2014	64	230	243	380	115	138	1,172
2015	69	237	268	369	118	148	1,209
2016	52	249	280	414	108	161	1,264
2017	58	247	254	354	113	174	1,200
2018	48	228	258	397	118	140	1,193
Latest per cent change	-17.2	-7.7	1.6	12.1	4.4	-19.5	-0.6
Average trend change per year (per cent)	-7.2	0.2	0.7	0.5	0.1	1.9	0.3

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

**Table 2.3** By gender

12 months ended October	Males	Females	Total <sup>d</sup>
2014	844	327	1,172
2015	866	343	1,209
2016	924	340	1,264
2017	876	323	1,200
2018	890	301	1,193
Latest per cent change	1.6	-6.8	-0.6
Average trend change per year (per cent)	1.2	-2.2	0.3

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 October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	4.30	4.42	4.86	5.64	7.08	7.79	16.06	2.32	5.00
2015	4.43	4.28	5.01	6.89	6.50	7.19	18.47	3.04	5.09
2016	5.02	4.49	4.92	4.85	7.24	6.96	17.96	3.73	5.24
2017	4.63	3.93	5.27	5.57	6.30	5.94	14.20	1.21	4.89
2018	4.82	3.57	4.88	4.61	6.28	6.26	19.87	2.38	4.78
Latest per cent change	4.0	-9.2	-7.4	-17.2	-0.2	5.4	39.9	96.0	-2.1
Average trend change per year (per cent)	2.8	-5.0	0.6	-6.0	-2.7	-6.1	1.6	-8.3	-1.3

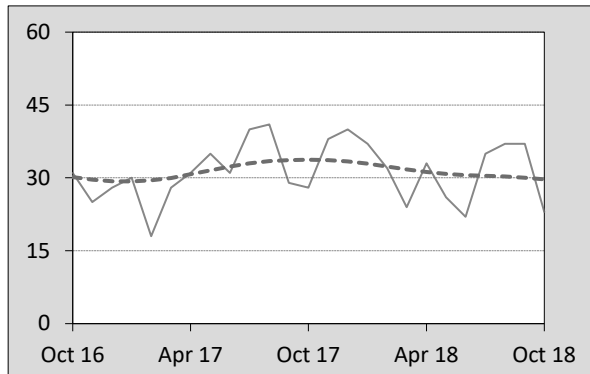
**Table 3.2** Calendar year period

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
Latest per cent change	0.6	-12.8	-3.3	15.5	-18.2	-8.9	-31.7	-55.5	-6.9

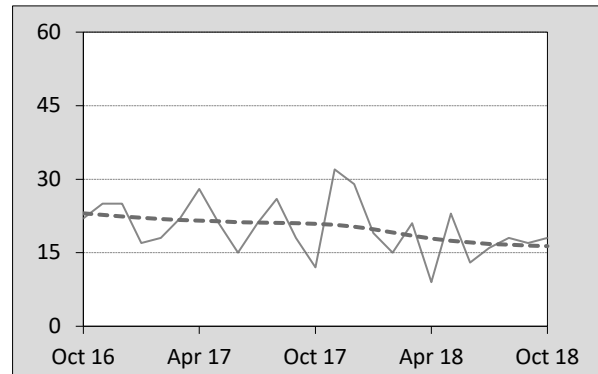
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
*(Whittaker-Henderson)*

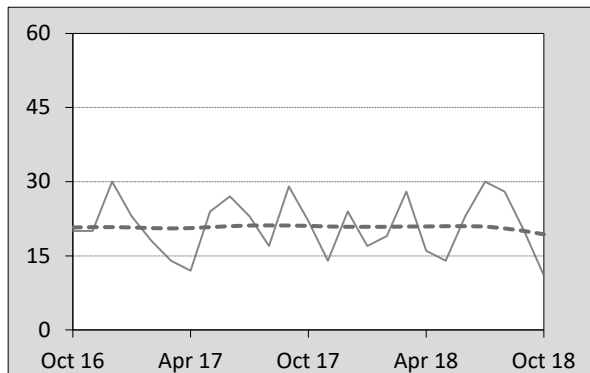
**Figure 4.1 NSW**



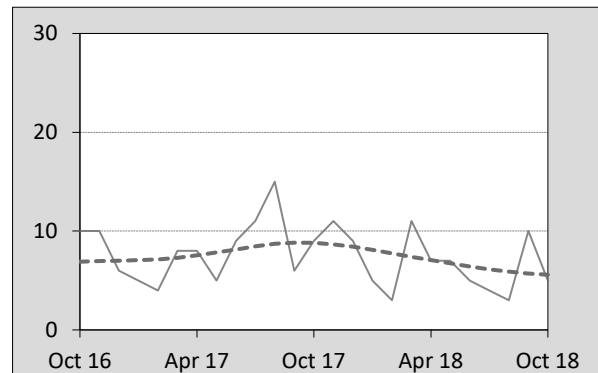
**Figure 4.2 Vic**



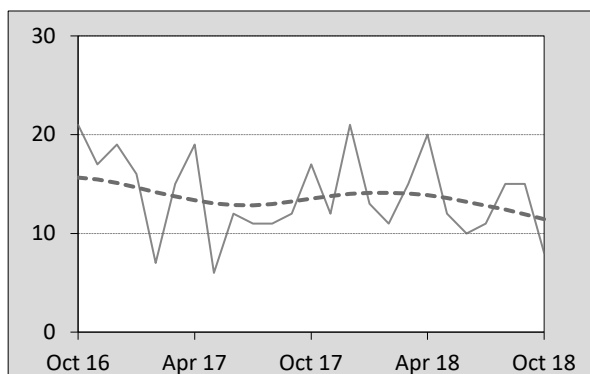
**Figure 4.3 Qld**



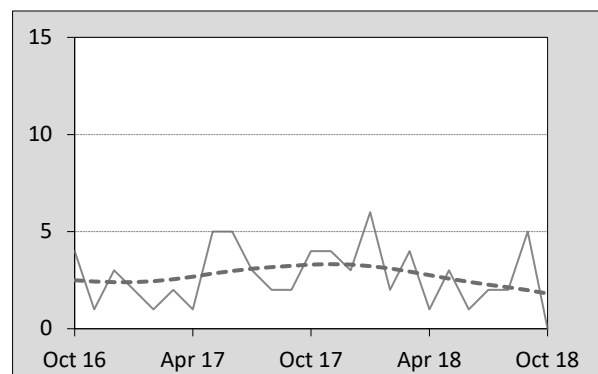
**Figure 4.4 SA**



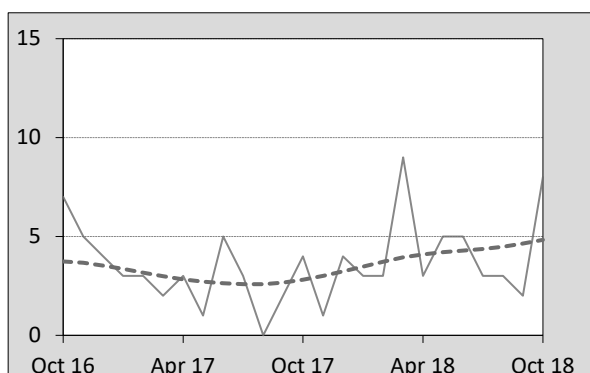
**Figure 4.5 WA**



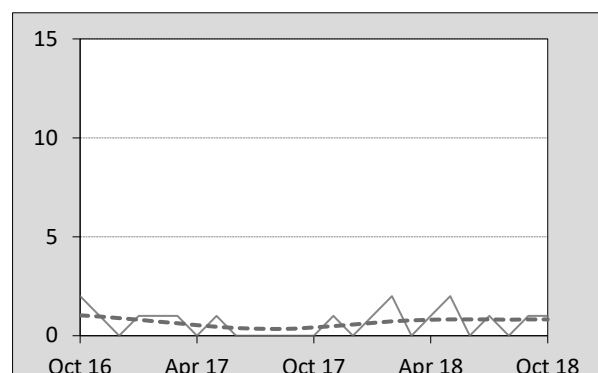
**Figure 4.6 Tas**



**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 October	Crash type <sup>a</sup>			Posted speed limit						Total <sup>b</sup>
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2014	486	431	156	15	115	190	234	373	128	1,073
2015	489	460	157	16	122	217	252	348	140	1,106
2016	517	479	173	17	124	215	274	364	165	1,169
2017	491	461	160	23	140	211	243	337	144	1,112
2018	495	437	172	16	140	186	237	339	141	1,104
Latest per cent change	0.8	-5.2	7.5	-30.4	0.0	-11.8	-2.5	0.6	-2.1	-0.7
Average trend change per year (per cent)	0.4	0.3	2.2	5.0	5.5	-0.7	-0.1	-2.2	2.2	0.6

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

12 months ended October	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2014	671	402	682	391
2015	667	439	678	428
2016	715	454	705	464
2017	701	411	709	403
2018	670	434	685	419
Latest per cent change	-4.4	5.6	-3.4	4.0
Average trend change per year (per cent)	0.5	0.9	0.5	0.8

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 Database

The *Australian Road Deaths Database* now includes geographic location information for fatal crashes.

### 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.