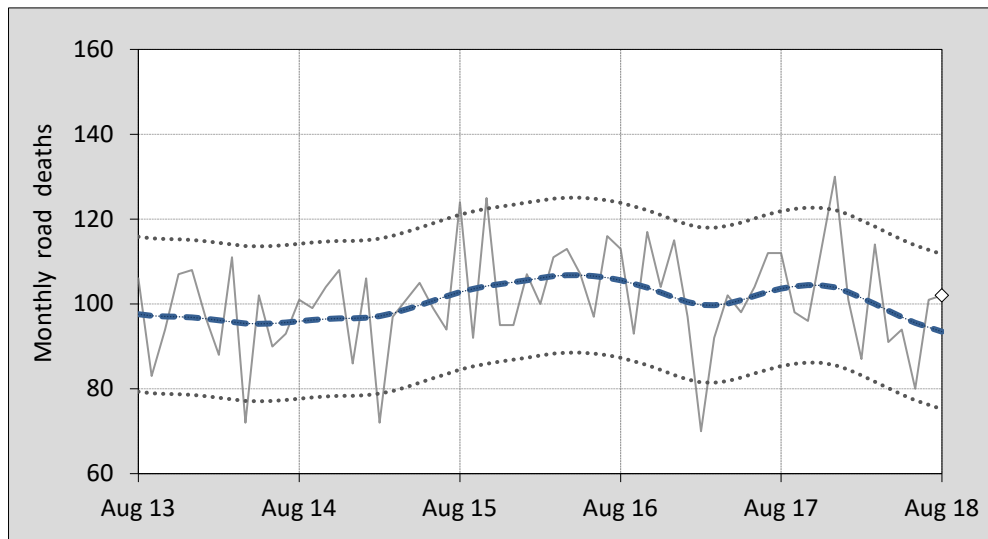




### This month's key figures

- 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](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
August 2017	41	26	17	15	11	2	0	0	112
August 2018	34	18	28	3	14	2	3	0	102
Per cent change	-17.1	-30.8	64.7	-80.0	27.3	0.0	-	-	-8.9

**Table I.2** Year to date

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

**Table I.3** Year ending August

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

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

**Table 2.1** By road user

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

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

12 months ended August	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>c</sup>
2014	63	217	234	375	118	137	1,146
2015	74	246	274	348	105	148	1,195
2016	49	240	280	427	115	160	1,271
2017	62	248	261	361	104	180	1,216
2018	43	231	248	405	135	140	1,207
Latest per cent change	-30.6	-6.9	-5.0	12.2	29.8	-22.2	-0.7
Average trend change per year (per cent)	-9.0	1.3	0.7	1.9	2.6	2.4	1.2

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

**Table 2.3** By gender

12 months ended August	Males	Females	Total <sup>d</sup>
2014	833	312	1,146
2015	849	346	1,195
2016	925	346	1,271
2017	888	327	1,216
2018	904	302	1,207
Latest per cent change	1.8	-7.6	-0.7
Average trend change per year (per cent)	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

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	4.33	4.35	4.90	4.99	6.58	7.60	16.90	2.06	4.90
2015	4.34	4.26	4.90	6.54	6.95	6.61	18.52	3.05	5.04
2016	4.96	4.54	5.13	5.38	7.01	6.97	18.00	3.24	5.28
2017	4.73	4.10	5.02	5.70	6.47	6.53	14.64	2.20	4.98
2018	4.79	3.53	5.35	4.63	6.49	6.47	18.28	1.92	4.86
Latest per cent change	1.3	-14.0	6.4	-18.9	0.3	-0.9	24.9	-13.0	-2.2
Average trend change per year (per cent)	2.9	-4.5	2.0	-2.9	-0.9	-3.3	-0.8	-4.6	-0.3

**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	4.95	4.10	5.01	5.80	6.17	6.51	12.53	1.21	4.98
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

— raw  
 - - - smoothed  
 (Whittaker-Henderson)

Figure 4.1 NSW

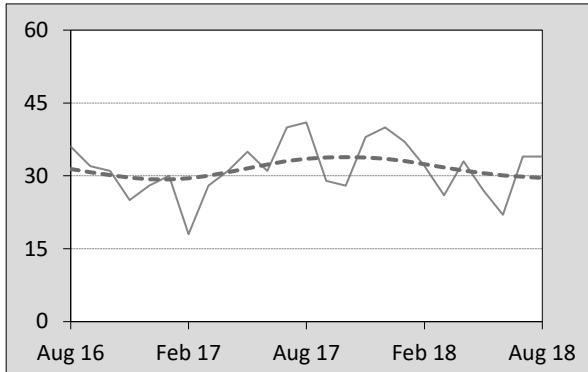


Figure 4.2 Vic

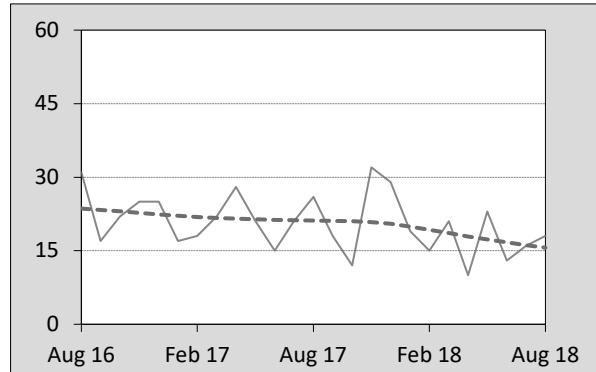


Figure 4.3 Qld

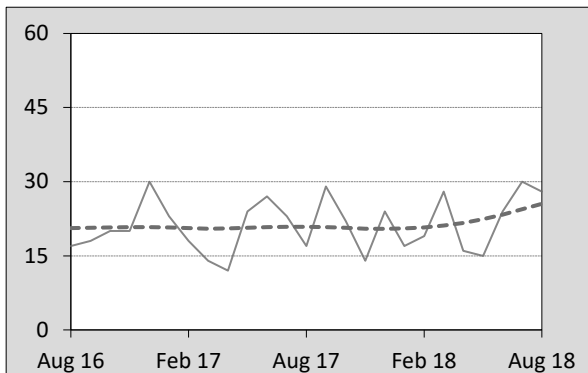


Figure 4.4 SA

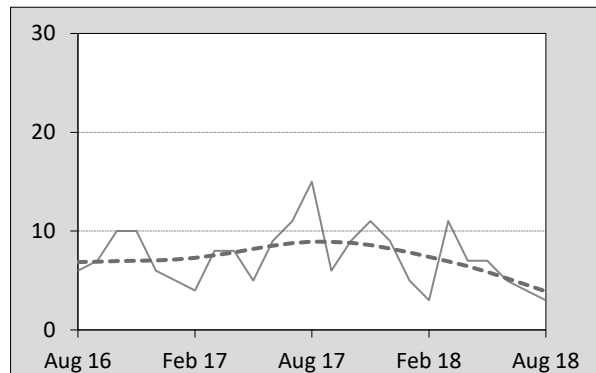


Figure 4.5 WA

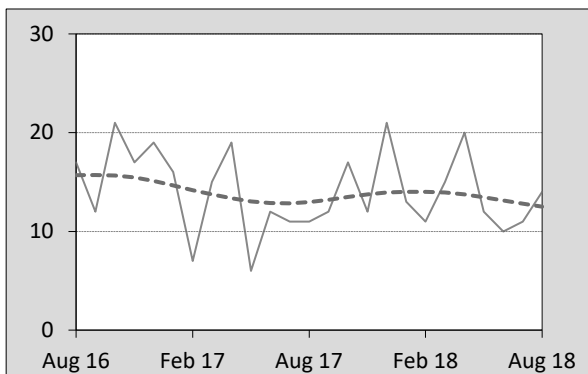


Figure 4.6 Tas

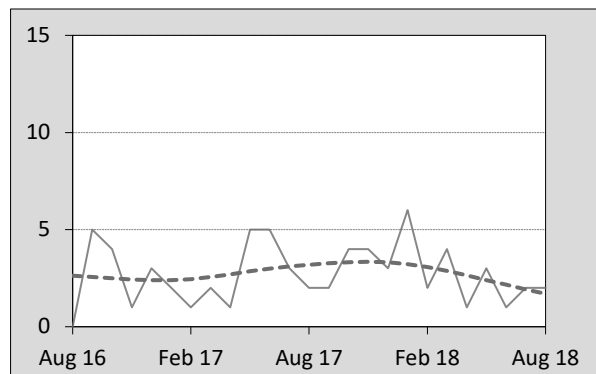


Figure 4.7 NT

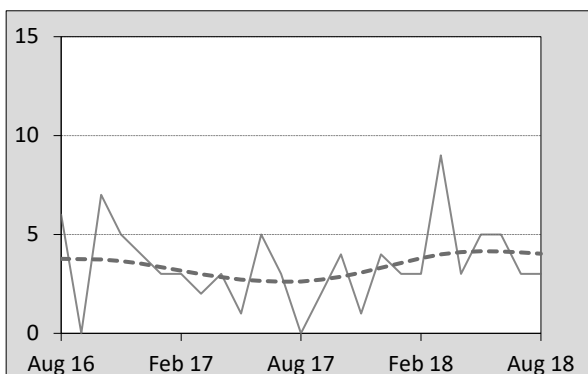
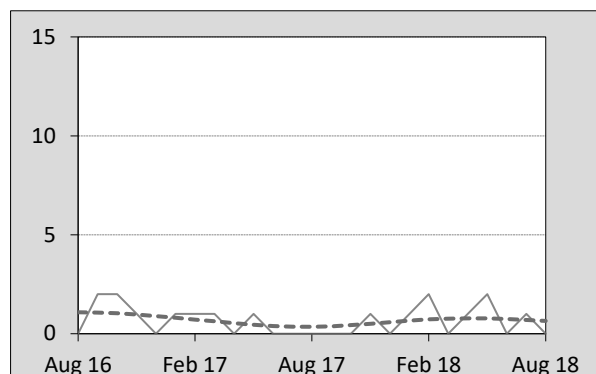


Figure 4.8 ACT



## 5. Fatal crashes: counts and characteristics

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

12 months ended August	Crash type <sup>a</sup>			Posted speed limit						Total <sup>b</sup>
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2014	466	435	154	12	117	185	243	354	128	1,055
2015	481	443	163	16	124	208	229	356	142	1,087
2016	536	474	166	12	123	216	278	377	158	1,176
2017	490	476	161	23	133	216	253	341	146	1,127
2018	488	450	181	20	147	199	247	336	135	1,119
Latest per cent change	-0.4	-5.5	12.4	-13.0	10.5	-7.9	-2.4	-1.5	-7.5	-0.7
Average trend change per year (per cent)	1.1	1.4	3.2	14.8	5.4	1.9	1.3	-1.5	1.4	1.6

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

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

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.