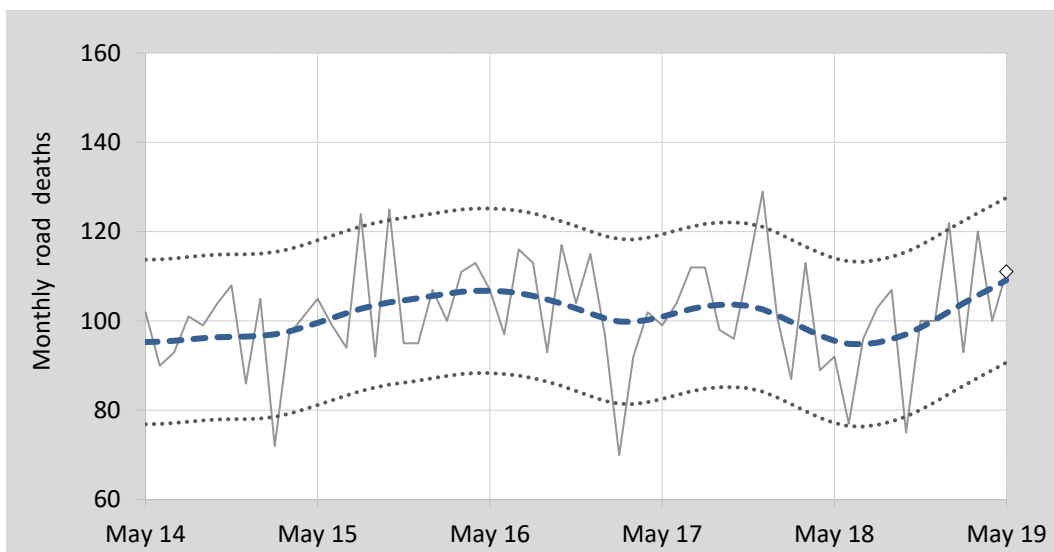




### This month's key figures

- There was a total of 111 road deaths during the month of May 2019. The current figure is 9.9 per cent higher than the average for May over the previous five years.
- During the 12 months ended May 2019, there were 1,204 road deaths. This is a decrease of 3.3 per cent from the 12-month period ending May 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is a 4.8 per cent decrease compared to the rate for the 12-month period ending May 2018.

### 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, SA
- Western Australia Police
- Department of State Growth, Tasmania
- Department of Infrastructure, Planning and Logistics, NT
- 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
May 2018	26	23	14	7	12	3	5	2	92
May 2019	21	38	21	12	14	2	3	0	111
Per cent change	-19.2	65.2	50.0	71.4	16.7	-33.3	-40.0	-100.0	20.7

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - May 2018	151	88	94	33	71	16	23	6	482
January 2019 - May 2019	160	143	86	53	76	14	13	1	546
Per cent change	6.0	62.5	-8.5	60.6	7.0	-12.5	-43.5	-83.3	13.3

**Table I.3** Year ending May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	304	249	235	108	186	33	36	10	1,161
2016	378	264	243	101	169	41	51	15	1,262
2017	358	275	244	80	179	28	40	11	1,215
2018	398	241	250	103	166	38	42	7	1,245
2019	361	268	237	100	163	31	40	4	1,204
Latest per cent change	-9.3	11.2	-5.2	-2.9	-1.8	-18.4	-4.8	-42.9	-3.3
Average trend change per year (per cent)	4.0	0.6	0.5	-1.3	-2.8	-2.0	0.2	-22.9	0.6

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

**Table 2.1** By road user

12 months ended May	Driver	Passenger	Pedestrian	Motorcyclist <sup>b</sup>	Pedal <sup>b</sup> cyclist	Total <sup>c</sup>
2015	543	236	148	203	28	1,161
2016	595	235	166	229	35	1,262
2017	579	205	165	233	27	1,215
2018	581	230	183	201	41	1,245
2019	561	221	178	208	32	1,204
Latest per cent change	-3.4	-3.9	-2.7	3.5	-22.0	-3.3
Average trend change per year (per cent)	0.4	-1.5	4.8	-0.8	4.3	0.6

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

12 months ended May	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>c</sup>
2015	72	245	249	348	105	140	1,161
2016	58	226	280	405	119	174	1,262
2017	68	256	262	383	98	148	1,215
2018	39	245	248	405	131	176	1,245
2019	53	228	268	383	116	153	1,204
Latest per cent change	35.9	-6.9	8.1	-5.4	-11.5	-13.1	-3.3
Average trend change per year (per cent)	-9.6	-0.6	0.3	1.9	3.0	1.9	0.6

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

**Table 2.3** By gender

12 months ended May	Males	Females	Total <sup>d</sup>
2015	814	347	1,161
2016	921	341	1,262
2017	898	316	1,215
2018	911	334	1,245
2019	907	296	1,204
<i>Latest per cent change</i>	-0.4	-11.4	-3.3
<i>Average trend change per year (per cent)</i>	2.1	-3.3	0.6

a Age groups were changed in April 2014.

b Includes pillion passengers.

c Includes deaths to persons with either age or road user type not recorded.

d Includes deaths of persons where gender is not recorded or unspecified.

## 3. Annual deaths per 100,000 population

**Table 3.1** Year ended May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.02	4.19	4.95	6.38	7.36	6.42	14.82	2.55	4.92
2016	4.93	4.34	5.06	5.92	6.64	7.95	20.88	3.76	5.27
2017	4.59	4.41	5.00	4.66	6.98	5.39	16.24	2.70	4.99
2018	5.02	3.78	5.04	5.96	6.43	7.24	16.96	1.68	5.02
2019	4.49	4.11	4.70	5.74	6.25	5.84	16.19	0.94	4.78
<i>Latest per cent change</i>	-10.6	8.8	-6.8	-3.7	-2.7	-19.4	-4.5	-43.9	-4.8
<i>Average trend change per year (per cent)</i>	2.4	-1.8	-1.1	-2.1	-3.5	-2.8	-0.3	-24.4	-1.0

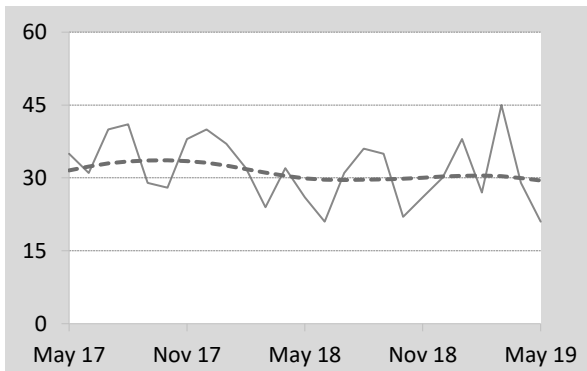
**Table 3.2** Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
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	6.26	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	6.32	12.52	1.21	4.97
2018	4.41	3.30	4.89	4.61	6.09	6.25	20.22	2.14	4.56
<i>Latest per cent change</i>	-10.9	-19.5	-2.5	-20.6	-1.4	-1.1	61.4	76.2	-8.2

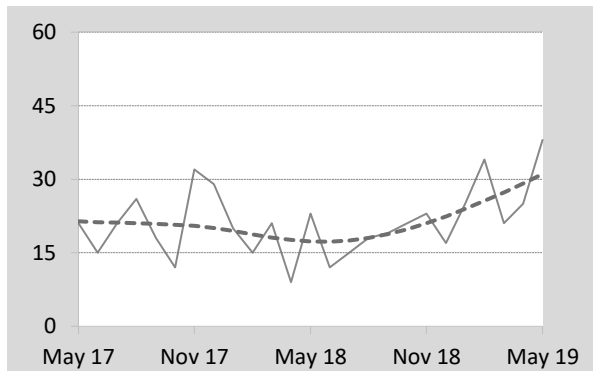
#### 4. Monthly deaths by jurisdiction — last 24 months

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

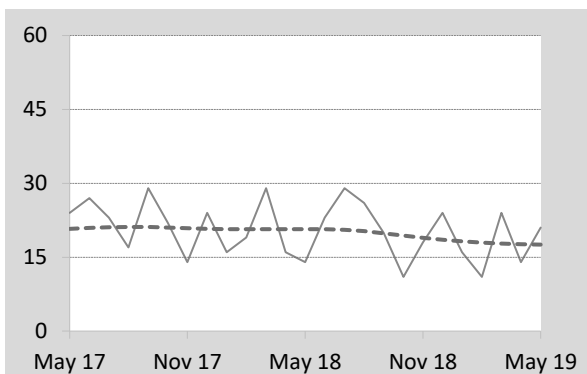
**Figure 4.1 NSW**



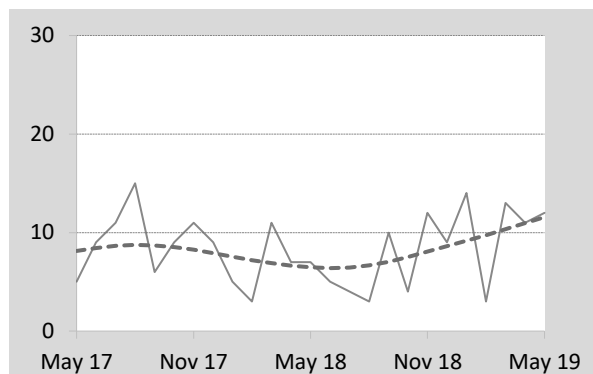
**Figure 4.2 Vic**



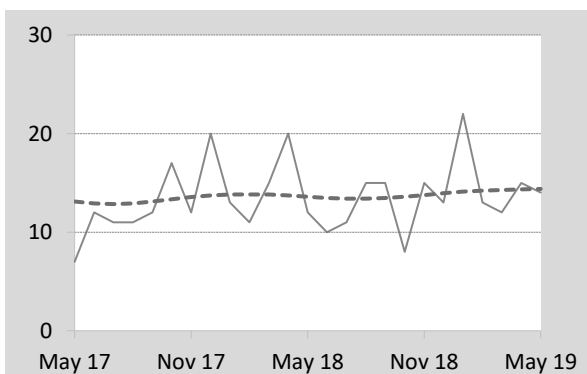
**Figure 4.3 Qld**



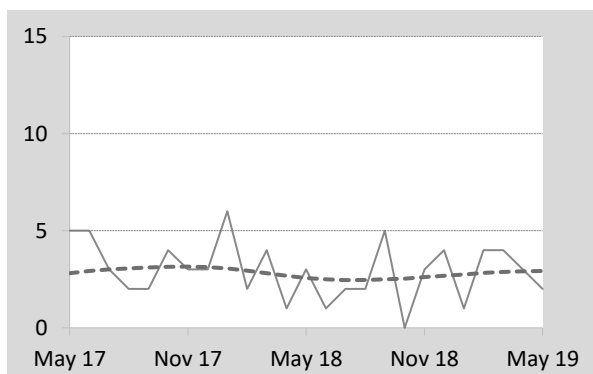
**Figure 4.4 SA**



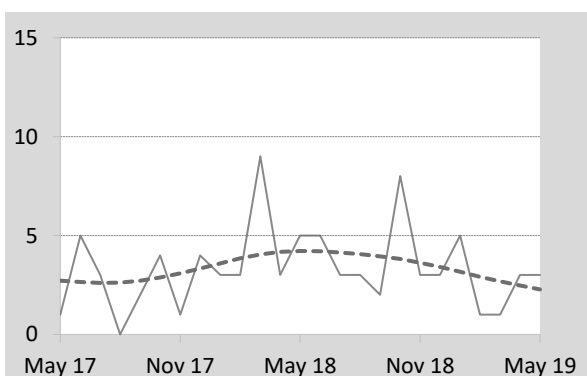
**Figure 4.5 WA**



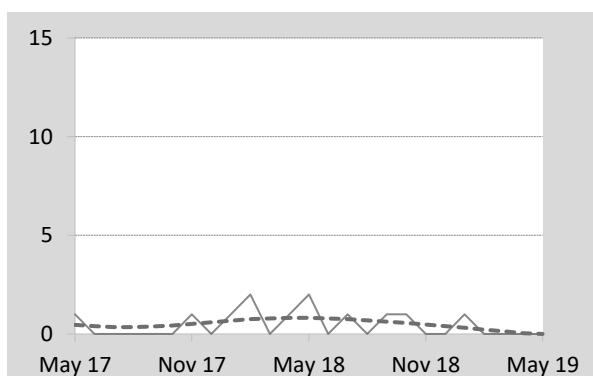
**Figure 4.6 Tas**



**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 May	Crash type <sup>a</sup>			Posted speed limit						Total <sup>b</sup>
	Single	Multiple	Pedestrian	≤ 40	50	60	70 to 90	100	≥ 110	
2015	486	426	146	22	114	203	223	347	140	1,058
2016	513	479	165	14	132	221	264	357	159	1,157
2017	504	468	164	22	121	198	279	367	139	1,136
2018	496	469	182	36	159	220	241	334	150	1,147
2019	529	410	175	14	113	180	233	347	166	1,114
Latest per cent change	6.7	-12.6	-3.8	-61.1	-28.9	-18.2	-3.3	3.9	10.7	-2.9
Average trend change per year (per cent)	1.4	-1.0	4.7	0.4	1.7	-2.4	0.0	-0.7	2.9	0.9

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

12 months ended May	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2015	638	420	666	392
2016	735	422	725	432
2017	695	441	684	452
2018	698	449	717	430
2019	682	432	692	422
Latest per cent change	-2.3	-3.8	-3.5	-1.9
Average trend change per year (per cent)	0.8	1.2	0.7	1.4

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 not specified.

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.