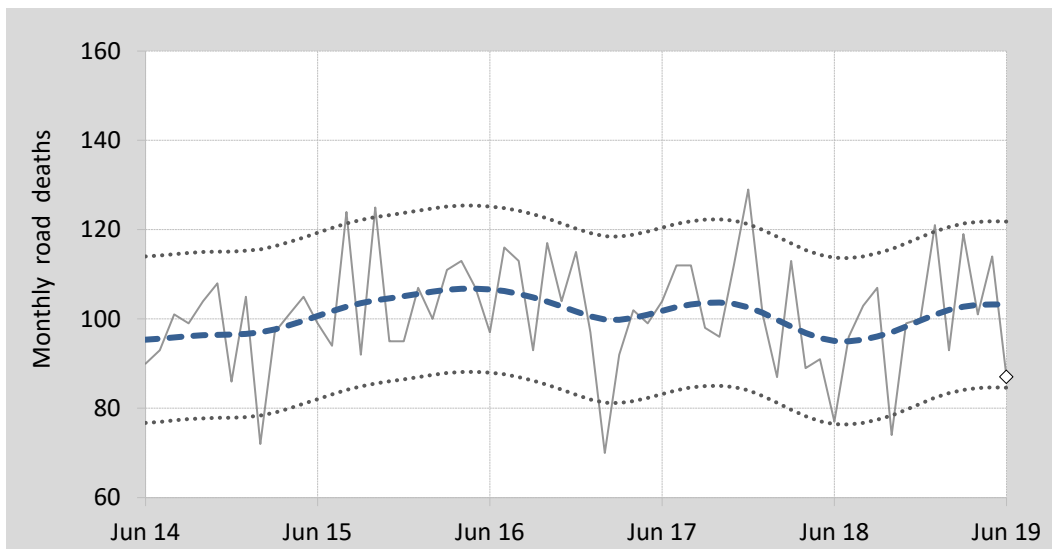




This month's key figures

- There was a total of 87 road deaths during the month of June 2019. The current figure is 6.9 per cent lower than the average for June over the previous five years.
- During the 12 months ended June 2019, there were 1,214 road deaths. This is a decrease of 0.2 per cent from the 12-month period ending June 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is a 1.9 per cent decrease compared to the rate for the 12-month period ending June 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
- Department of Transport, Victoria
- 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
 Email : 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
June 2018	21	12	23	5	10	1	5	0	77
June 2019	27	15	14	7	17	3	2	2	87
Per cent change	28.6	25.0	-39.1	40.0	70.0	200.0	-60.0	-	13.0

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - June 2018	171	100	117	38	81	17	28	6	558
January 2019 - June 2019	189	158	100	60	93	17	15	3	635
Per cent change	10.5	58.0	-14.5	57.9	14.8	0.0	-46.4	-50.0	13.8

Table I.3 Year ending June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	304	254	235	113	179	33	41	11	1,170
2016	387	265	244	97	169	41	44	13	1,260
2017	355	267	251	82	181	31	44	11	1,222
2018	387	238	246	99	164	34	42	7	1,217
2019	367	271	228	102	170	33	37	6	1,214
Latest per cent change	-5.2	13.9	-7.3	3.0	3.7	-2.9	-11.9	-14.3	-0.2
Average trend change per year (per cent)	3.8	0.2	-0.5	-1.8	-1.3	-1.9	-2.5	-16.7	0.4

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

Table 2.1 By road user

12 months ended June	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	540	247	151	199	30	1,170
2016	601	225	167	230	35	1,260
2017	569	212	168	242	25	1,222
2018	572	221	180	191	44	1,217
2019	571	223	176	208	31	1,214
Latest per cent change	-0.2	0.9	-2.2	8.9	-29.5	-0.2
Average trend change per year (per cent)	0.6	-2.2	3.9	-1.0	3.0	0.4

Table 2.2 By age-group^a (years)

12 months ended June	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	75	248	250	342	107	146	1,170
2016	55	224	278	419	116	168	1,260
2017	63	258	271	375	101	154	1,222
2018	38	242	243	395	130	168	1,217
2019	56	232	263	387	117	156	1,214
Latest per cent change	47.4	-4.1	8.2	-2.0	-10.0	-7.1	-0.2
Average trend change per year (per cent)	-9.1	-0.6	-0.3	1.9	3.0	1.3	0.4

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

Table 2.3 By gender

12 months ended June	Males	Females	Total ^d
2015	822	348	1,170
2016	921	339	1,260
2017	900	321	1,222
2018	898	319	1,217
2019	913	300	1,214
<i>Latest per cent change</i>	1.7	-6.0	-0.2
<i>Average trend change per year (per cent)</i>	1.9	-3.5	0.4

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 June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.02	4.26	4.95	6.67	7.08	6.42	16.89	2.81	4.95
2016	5.04	4.35	5.08	5.69	6.63	7.95	18.03	3.26	5.25
2017	4.55	4.28	5.14	4.77	7.06	5.96	17.87	2.70	5.01
2018	4.88	3.73	4.96	5.73	6.35	6.48	17.01	1.68	4.91
2019	4.56	4.15	4.51	5.85	6.52	6.21	15.05	1.42	4.82
<i>Latest per cent change</i>	-6.6	11.4	-9.0	2.2	2.7	-4.1	-11.5	-15.8	-1.9
<i>Average trend change per year (per cent)</i>	2.2	-2.1	-2.1	-2.5	-2.1	-2.7	-2.8	-18.4	-1.2

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	4.37	3.30	4.89	4.61	6.09	6.25	20.21	2.14	4.55
<i>Latest per cent change</i>	-11.6	-19.5	-2.5	-20.6	-1.4	-1.1	61.4	76.2	-8.5

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

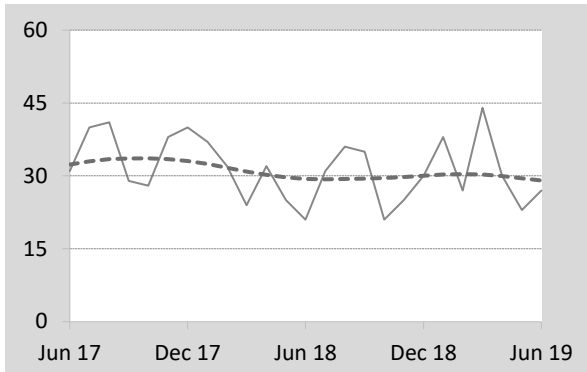


Figure 4.2 Vic

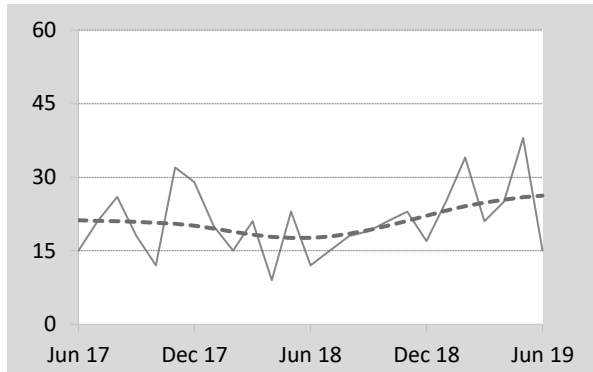


Figure 4.3 Qld

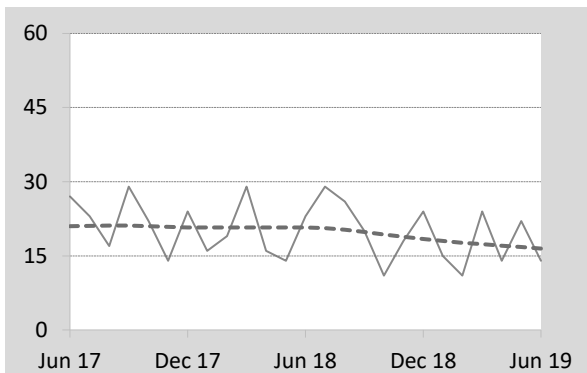


Figure 4.4 SA

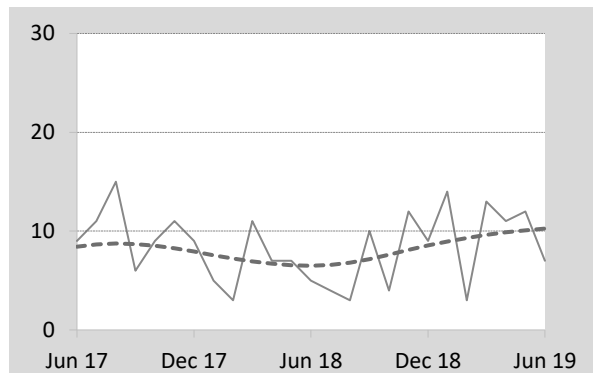


Figure 4.5 WA

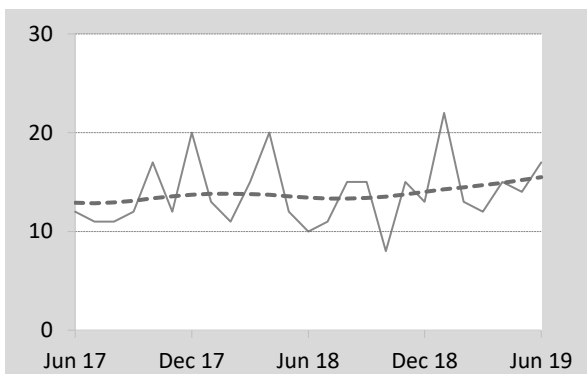


Figure 4.6 Tas

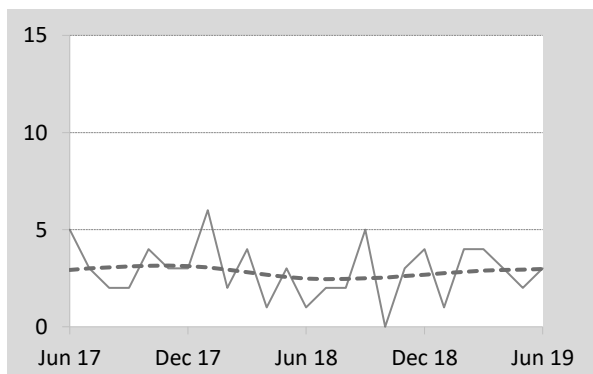


Figure 4.7 NT

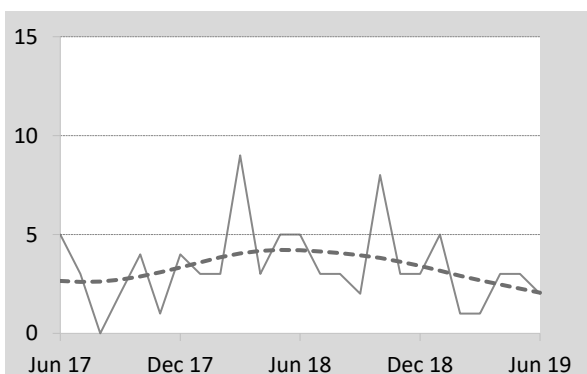
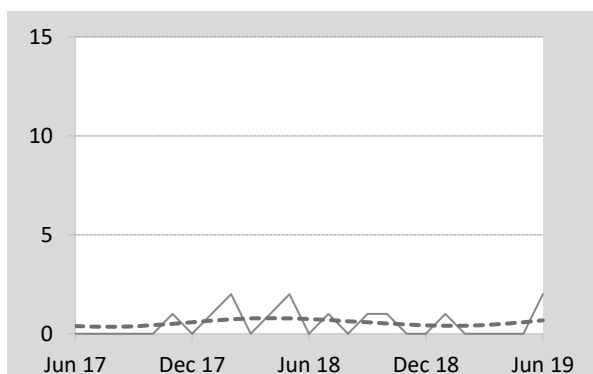


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended June	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	≤ 40	50	60	70 to 90	100	≥ 110	
2015	478	433	149	22	116	212	219	342	142	1,060
2016	522	469	167	14	130	213	273	364	154	1,158
2017	502	472	167	28	125	203	273	358	145	1,141
2018	487	462	179	29	151	217	238	336	148	1,128
2019	535	412	173	16	119	173	226	358	172	1,120
<i>Latest per cent change</i>	9.9	-10.8	-3.4	-44.8	-21.2	-20.3	-5.0	6.5	16.2	-0.7
<i>Average trend change per year (per cent)</i>	1.6	-1.1	3.7	0.9	2.0	-3.8	-0.7	0.1	3.5	0.8

Table 5.2 By Day of week and Time of day

12 months ended June	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	643	417	661	399
2016	728	430	725	433
2017	704	437	696	445
2018	678	450	701	427
2019	690	430	688	432
<i>Latest per cent change</i>	1.8	-4.4	-1.9	1.2
<i>Average trend change per year (per cent)</i>	0.7	1.1	0.5	1.5

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>.

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