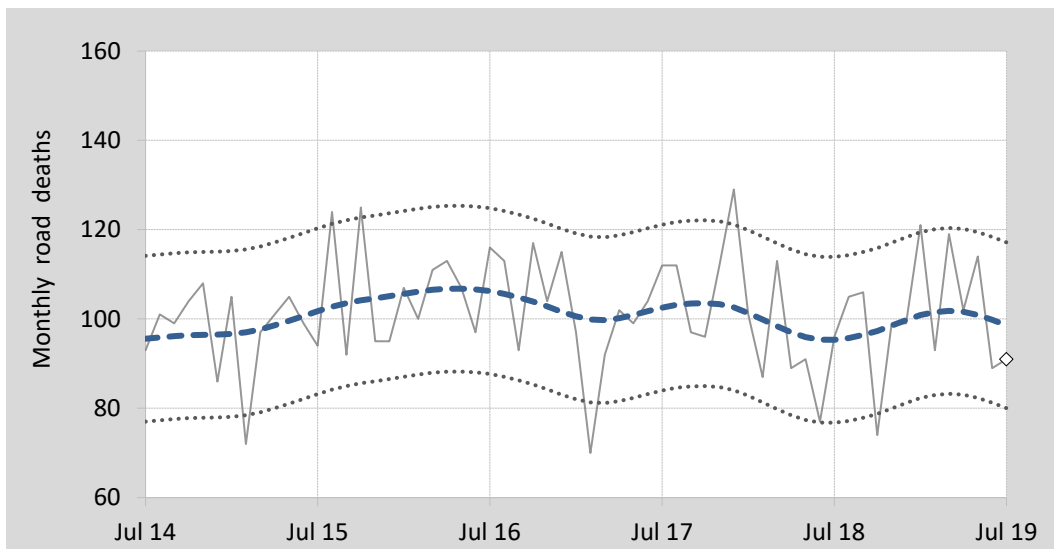




This month's key figures

- There was a total of 91 road deaths during the month of July 2019. The current figure is 11.0 per cent lower than the average for July over the previous five years.
- During the 12 months ended July 2019, there were 1,212 road deaths. This is an increase of 1.0 per cent from the 12-month period ending July 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is a 0.6 per cent decrease compared to the rate for the 12-month period ending July 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
July 2018	31	15	29	4	11	2	3	1	96
July 2019	23	21	20	10	10	3	4	0	91
Per cent change	-25.8	40.0	-31.0	150.0	-9.1	50.0	33.3	-100.0	-5.2

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - July 2018	202	115	146	42	92	19	31	7	654
January 2019 - July 2019	213	179	120	71	103	21	19	3	729
Per cent change	5.4	55.7	-17.8	69.0	12.0	10.5	-38.7	-57.1	11.5

Table I.3 Year ending July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	316	250	240	108	167	35	42	13	1,171
2016	386	273	248	97	183	37	45	13	1,282
2017	365	262	246	89	173	32	42	9	1,218
2018	378	232	252	92	164	32	42	8	1,200
2019	360	277	219	109	169	35	38	5	1,212
Latest per cent change	-4.8	19.4	-13.1	18.5	3.0	9.4	-9.5	-37.5	1.0
Average trend change per year (per cent)	2.4	0.4	-1.7	-0.3	-0.9	-1.4	-2.7	-21.3	0.0

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

Table 2.1 By road user

12 months ended July	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	539	242	150	203	32	1,171
2016	620	223	171	232	35	1,282
2017	563	221	169	233	26	1,218
2018	557	217	182	194	42	1,200
2019	573	218	173	208	35	1,212
Latest per cent change	2.9	0.5	-4.9	7.2	-16.7	1.0
Average trend change per year (per cent)	0.2	-2.3	3.5	-1.3	3.7	0.0

Table 2.2 By age-group^a (years)

12 months ended July	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	70	240	266	344	107	143	1,171
2016	57	239	276	427	118	165	1,282
2017	63	251	266	365	105	168	1,218
2018	39	236	239	401	128	155	1,200
2019	54	230	267	385	109	165	1,212
Latest per cent change	38.5	-2.5	11.7	-4.0	-14.8	6.5	1.0
Average trend change per year (per cent)	-8.6	-1.0	-1.4	1.6	1.2	2.3	0.0

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

Table 2.3 By gender

12 months ended July	Males	Females	Total ^d
2015	824	347	1,171
2016	944	338	1,282
2017	886	331	1,218
2018	893	306	1,200
2019	914	298	1,212
<i>Latest per cent change</i>	2.4	-2.6	1.0
<i>Average trend change per year (per cent)</i>	1.5	-4.0	0.0

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 July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.17	4.19	5.05	6.37	6.60	6.81	17.29	3.31	4.95
2016	5.02	4.47	5.15	5.68	7.18	7.17	18.42	3.25	5.34
2017	4.67	4.19	5.03	5.18	6.75	6.15	17.07	2.21	4.99
2018	4.77	3.63	5.07	5.32	6.35	6.09	17.03	1.92	4.84
2019	4.47	4.24	4.33	6.25	6.48	6.58	15.49	1.18	4.81
<i>Latest per cent change</i>	-6.2	16.9	-14.7	17.5	2.1	8.0	-9.1	-38.6	-0.6
<i>Average trend change per year (per cent)</i>	0.9	-1.8	-3.2	-1.0	-1.6	-2.3	-3.0	-22.8	-1.5

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	6.13	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	2.0	61.4	76.2	-8.4

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

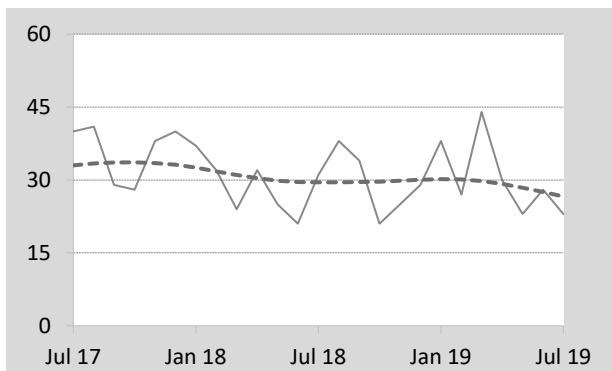


Figure 4.2 Vic

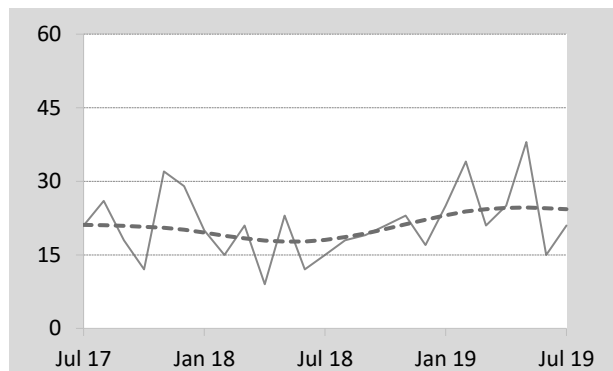


Figure 4.3 Qld

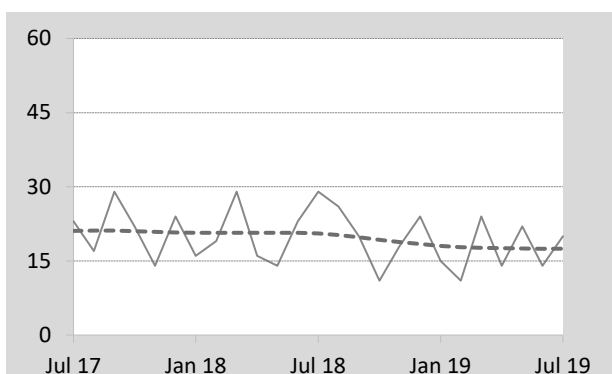


Figure 4.4 SA

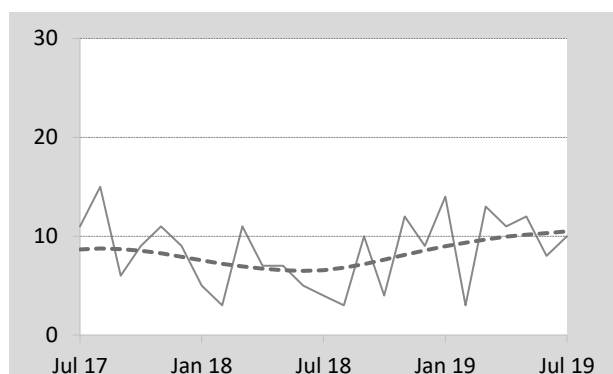


Figure 4.5 WA

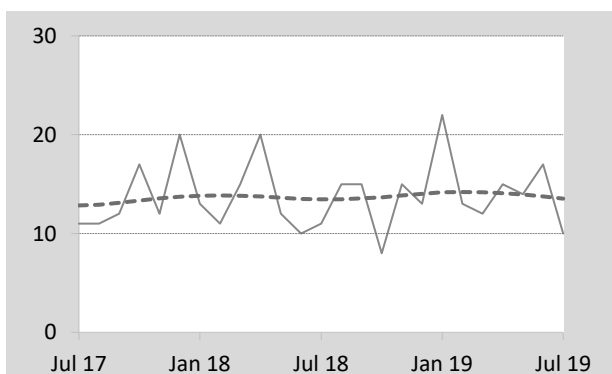


Figure 4.6 Tas

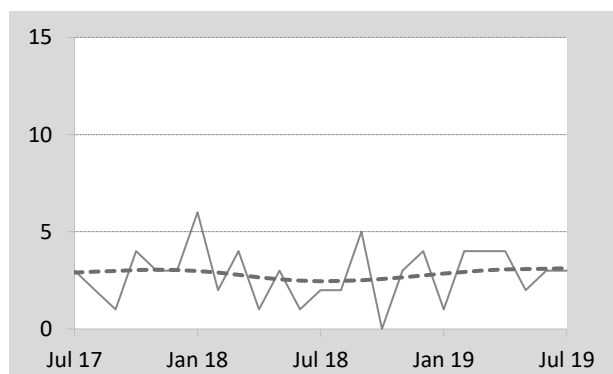


Figure 4.7 NT

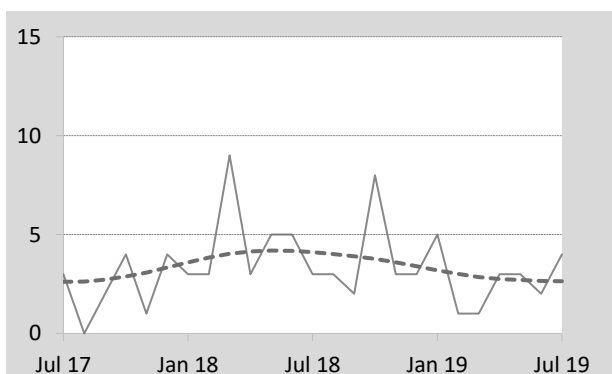
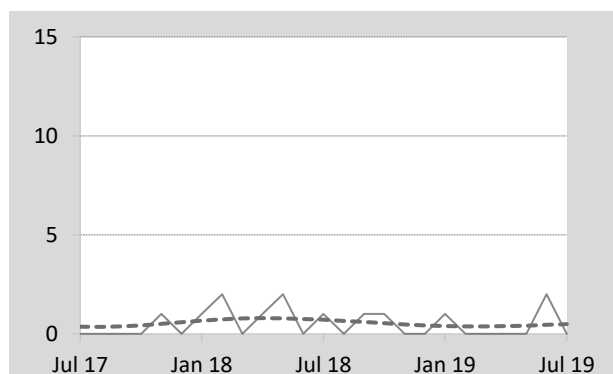


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended July	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	≤ 40	50	60	70 to 90	100	≥ 110	
2015	477	438	148	23	116	205	217	357	139	1,063
2016	540	469	171	15	133	211	283	369	159	1,180
2017	490	476	168	29	131	215	260	342	149	1,134
2018	476	456	180	26	145	209	243	341	138	1,112
2019	531	407	171	16	124	162	221	353	171	1,122
Latest per cent change	11.6	-10.7	-5.0	-38.5	-14.5	-22.5	-9.1	3.5	23.9	0.9
Average trend change per year (per cent)	0.9	-1.7	3.5	-1.7	2.2	-4.7	-1.2	-1.0	2.8	0.5

Table 5.2 By Day of week and Time of day

12 months ended July	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	652	411	662	401
2016	723	457	728	452
2017	709	425	709	425
2018	678	434	685	427
2019	689	433	689	433
Latest per cent change	1.6	-0.2	0.6	1.4
Average trend change per year (per cent)	0.5	0.5	0.2	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 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.