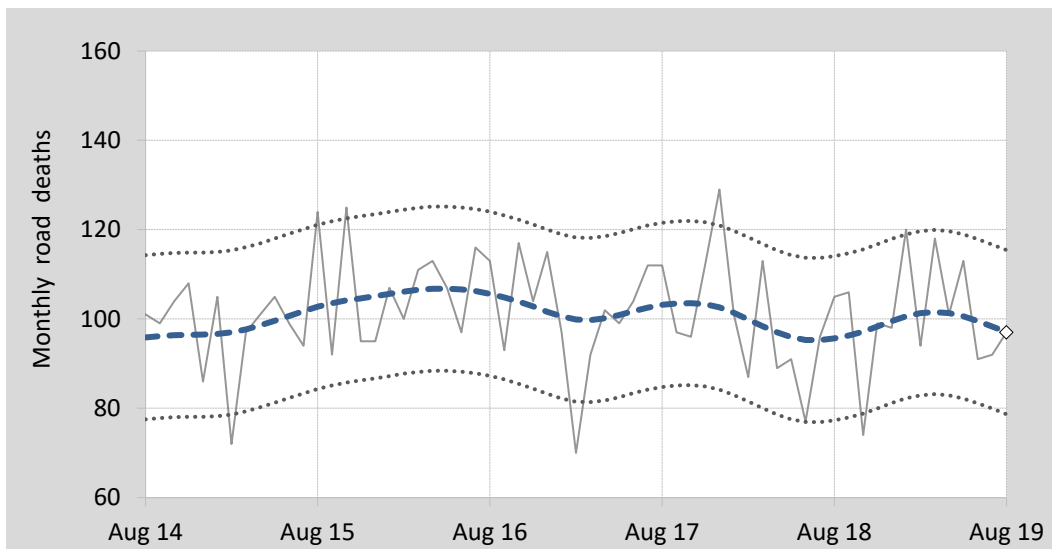




This month's key figures

- There was a total of 97 road deaths during the month of August 2019. The current figure is 12.6 per cent lower than the average for August over the previous five years.
- During the 12 months ended August 2019, there were 1,203 road deaths. This is an increase of 0.8 per cent from the 12-month period ending August 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is a 0.8 per cent decrease compared to the rate for the 12-month period ending August 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
August 2018	38	18	26	3	15	2	3	0	105
August 2019	30	16	21	9	16	2	3	0	97
Per cent change	-21.1	-11.1	-19.2	200.0	6.7	0.0	0.0	-	-7.6

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - August 2018	240	133	172	45	107	21	34	7	759
January 2019 - August 2019	246	195	140	78	119	23	22	3	826
Per cent change	2.5	46.6	-18.6	73.3	11.2	9.5	-35.3	-57.1	8.8

Table I.3 Year ending August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	329	255	233	111	175	34	45	12	1,194
2016	382	278	247	92	179	36	44	13	1,271
2017	370	257	246	98	167	34	36	9	1,217
2018	375	224	261	80	168	32	45	8	1,193
2019	354	275	213	113	170	35	38	5	1,203
Latest per cent change	-5.6	22.8	-18.4	41.3	1.2	9.4	-15.6	-37.5	0.8
Average trend change per year (per cent)	1.3	-0.6	-1.2	-1.0	-1.2	-0.6	-3.1	-20.0	-0.5

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

Table 2.1 By road user

12 months ended August	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	531	251	164	211	32	1,194
2016	631	212	166	225	36	1,271
2017	564	223	162	231	29	1,217
2018	549	215	184	195	42	1,193
2019	565	219	171	211	33	1,203
Latest per cent change	2.9	1.9	-7.1	8.2	-21.4	0.8
Average trend change per year (per cent)	-0.2	-2.6	1.9	-1.4	2.2	-0.5

Table 2.2 By age-group^a (years)

12 months ended August	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	74	246	274	348	105	147	1,194
2016	49	240	280	427	115	160	1,271
2017	62	249	260	362	104	180	1,217
2018	44	231	246	400	131	139	1,193
2019	51	234	256	380	106	174	1,203
Latest per cent change	15.9	1.3	4.1	-5.0	-19.1	25.2	0.8
Average trend change per year (per cent)	-8.2	-1.4	-2.6	1.1	1.5	2.0	-0.5

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

Table 2.3 By gender

12 months ended August	Males	Females	Total ^d
2015	849	345	1,194
2016	925	346	1,271
2017	888	328	1,217
2018	891	301	1,193
2019	913	290	1,203
<i>Latest per cent change</i>	2.5	-3.7	0.8
<i>Average trend change per year (per cent)</i>	1.1	-4.8	-0.5

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 August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.34	4.26	4.90	6.54	6.91	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	6.51	6.53	14.64	2.20	4.98
2018	4.73	3.50	5.25	4.63	6.50	6.09	18.27	1.92	4.81
2019	4.39	4.20	4.20	6.48	6.52	6.57	15.51	1.18	4.77
<i>Latest per cent change</i>	-7.1	20.2	-19.9	40.0	0.2	8.0	-15.1	-38.6	-0.8
<i>Average trend change per year (per cent)</i>	-0.2	-2.9	-2.8	-1.7	-1.9	-1.5	-3.3	-21.6	-2.0

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	6.13	12.52	1.21	4.97
2018	4.36	3.30	4.89	4.61	6.09	6.25	20.21	2.14	4.55
<i>Latest per cent change</i>	-11.9	-19.5	-2.5	-20.6	-1.4	2.0	61.4	76.2	-8.5

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

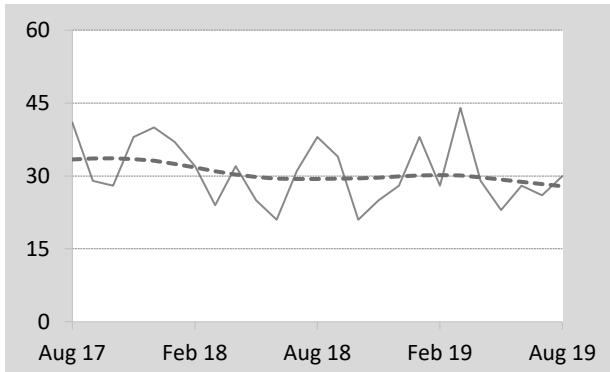


Figure 4.2 Vic

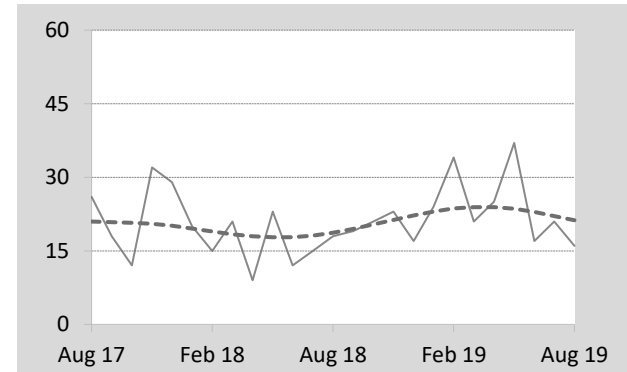


Figure 4.3 Qld

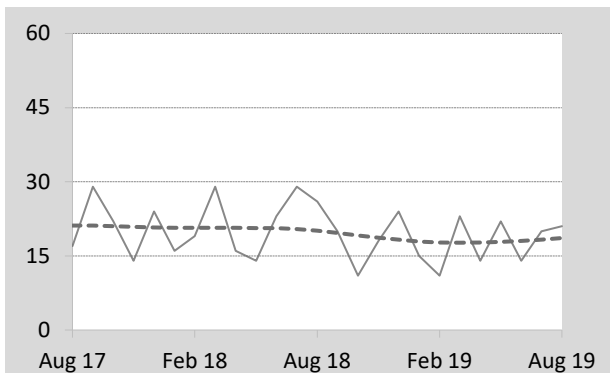


Figure 4.4 SA

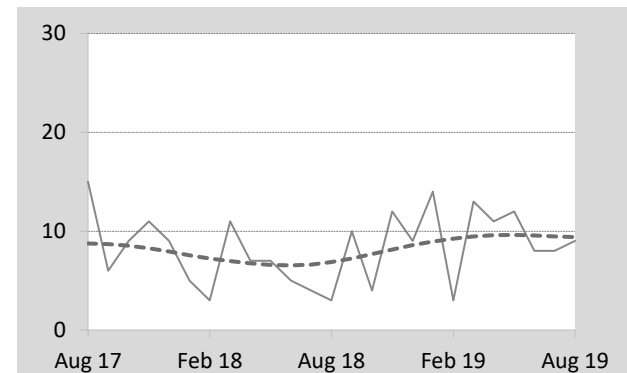


Figure 4.5 WA

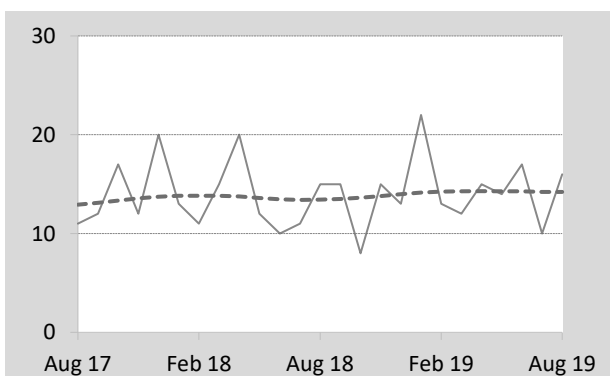


Figure 4.6 Tas

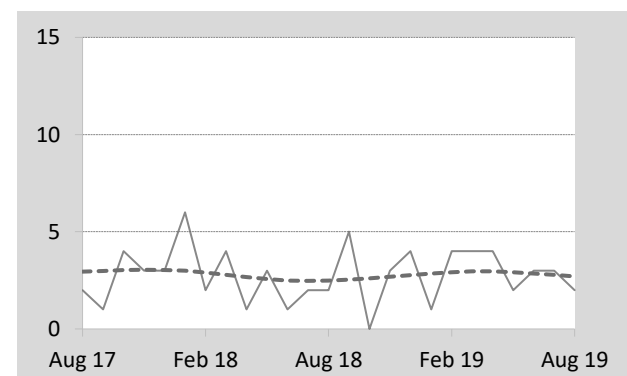


Figure 4.7 NT

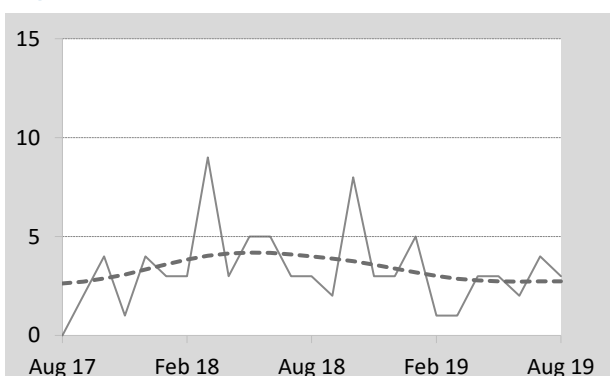
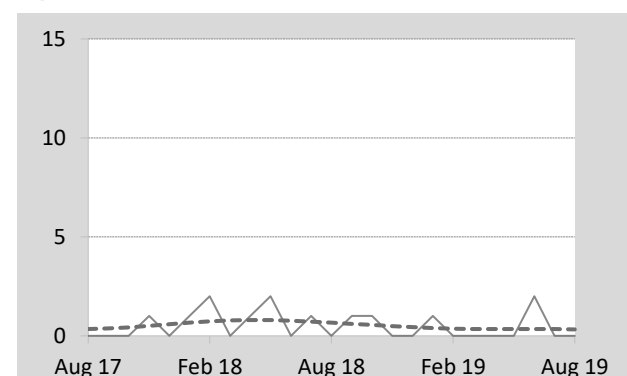


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended August	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	≤ 40	50	60	70 to 90	100	≥ 110	
2015	481	443	162	21	124	208	229	356	142	1,086
2016	536	474	166	14	123	216	278	377	158	1,176
2017	490	477	161	31	133	216	253	341	147	1,128
2018	473	450	182	25	146	200	246	338	137	1,105
2019	549	402	169	18	133	185	227	349	179	1,120
Latest per cent change	16.1	-10.7	-7.1	-28.0	-8.9	-7.5	-7.7	3.3	30.7	1.4
Average trend change per year (per cent)	1.4	-2.4	1.8	2.8	3.2	-3.1	-1.4	-1.5	3.3	0.0

Table 5.2 By Day of week and Time of day

12 months ended August	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	668	418	668	418
2016	722	454	715	461
2017	709	419	720	408
2018	671	434	675	430
2019	685	435	688	432
Latest per cent change	2.1	0.2	1.9	0.5
Average trend change per year (per cent)	-0.2	0.3	0.0	0.0

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.