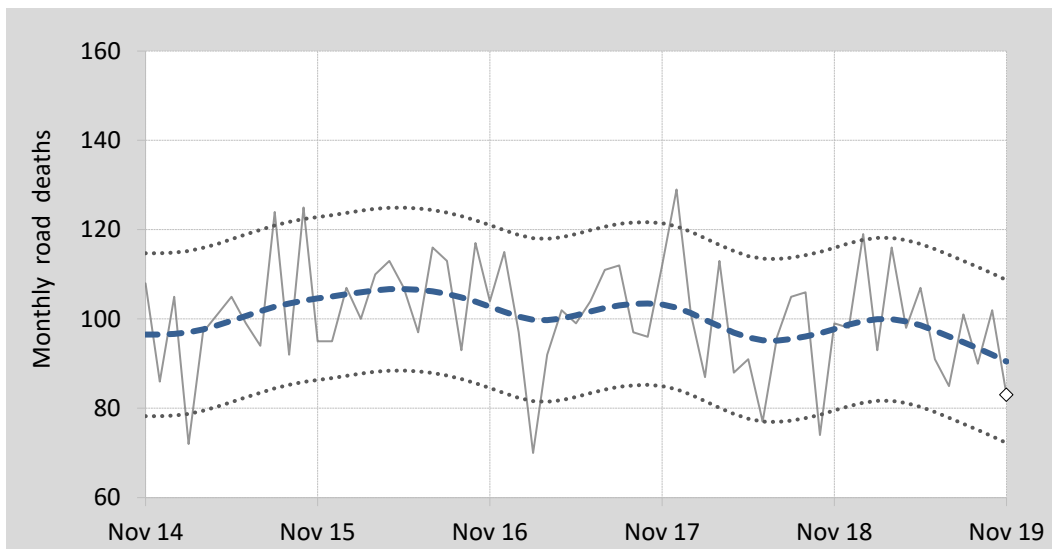




This month's key figures

- There was a total of 83 road deaths during the month of November 2019. The current figure is 19.9 per cent lower than the average for November over the previous five years.
- During the 12 months ended November 2019, there were 1,183 road deaths. This is an increase of 1.5 per cent from the 12-month period ending November 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 0.2 per cent reduction compared to the rate for the 12-month period ending November 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
November 2018	25	23	18	12	15	3	3	0	99
November 2019	26	19	16	12	9	1	0	0	83
Per cent change	4.0	-17.4	-11.1	0.0	-40.0	-66.7	-100.0	-	-16.2

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - November 2018	319	196	221	71	145	29	47	9	1,037
January 2019 - November 2019	330	248	201	100	149	28	24	5	1,085
Per cent change	3.4	26.5	-9.0	40.8	2.8	-3.4	-48.9	-44.4	4.6

Table I.3 Year ending November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	340	246	243	117	159	34	44	12	1,195
2016	380	284	234	85	191	36	48	14	1,272
2017	377	255	253	97	158	31	31	5	1,207
2018	359	225	245	80	165	32	51	9	1,166
2019	358	265	225	109	162	32	27	5	1,183
Latest per cent change	-0.3	17.8	-8.2	36.3	-1.8	0.0	-47.1	-44.4	1.5
Average trend change per year (per cent)	0.5	-0.8	-1.1	-2.0	-1.1	-2.4	-8.8	-19.7	-1.1

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

Table 2.1 By road user

12 months ended November	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	553	246	161	203	29	1,195
2016	614	207	176	241	32	1,272
2017	550	234	165	212	38	1,207
2018	548	206	167	204	33	1,166
2019	562	205	171	206	36	1,183
Latest per cent change	2.6	-0.5	2.4	1.0	9.1	1.5
Average trend change per year (per cent)	-0.8	-3.6	0.7	-1.4	4.7	-1.1

Table 2.2 By age-group^a (years)

12 months ended November	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	64	230	264	368	119	150	1,195
2016	56	258	284	408	102	164	1,272
2017	56	240	248	376	115	172	1,207
2018	49	227	258	378	115	137	1,166
2019	47	239	239	375	112	168	1,183
Latest per cent change	-4.1	5.3	-7.4	-0.8	-2.6	22.6	1.5
Average trend change per year (per cent)	-7.2	-0.5	-2.9	-0.4	0.0	0.5	-1.1

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

Table 2.3 By gender

12 months ended November	Males	Females	Total ^d
2015	856	339	1,195
2016	934	338	1,272
2017	894	312	1,207
2018	858	307	1,166
2019	904	279	1,183
<i>Latest per cent change</i>	5.4	-9.1	1.5
<i>Average trend change per year (per cent)</i>	0.2	-4.7	-1.1

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 November

12 months ended November	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.47	4.09	5.09	6.88	6.26	6.60	18.02	3.04	5.02
2016	4.92	4.61	4.84	4.96	7.47	6.96	19.57	3.48	5.26
2017	4.80	4.04	5.14	5.63	6.14	5.94	12.54	1.21	4.91
2018	4.50	3.49	4.90	4.61	6.36	6.06	20.65	2.14	4.67
2019	4.42	4.02	4.42	6.22	6.18	5.99	11.00	1.17	4.66
<i>Latest per cent change</i>	-1.8	15.2	-9.8	34.9	-2.9	-1.3	-46.7	-45.4	-0.2
<i>Average trend change per year (per cent)</i>	-1.1	-3.1	-2.7	-2.7	-1.9	-3.3	-8.9	-21.3	-2.6

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	2.48	5.34
2017	4.94	4.10	5.01	5.80	6.18	5.93	12.52	1.21	4.96
2018	4.35	3.30	4.89	4.61	6.09	6.25	20.23	2.14	4.54
<i>Latest per cent change</i>	-12.0	-19.5	-2.4	-20.6	-1.4	5.3	61.5	76.4	-8.5

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

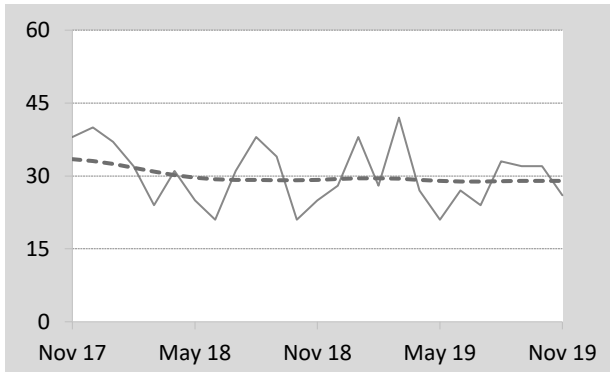


Figure 4.2 Vic

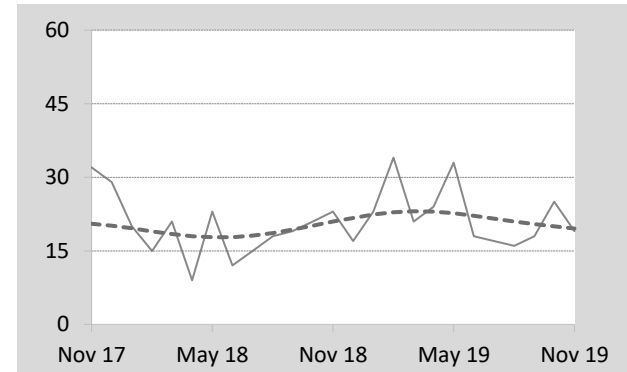


Figure 4.3 Qld

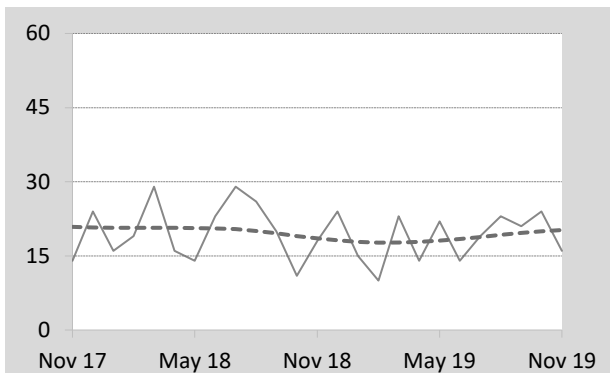


Figure 4.4 SA

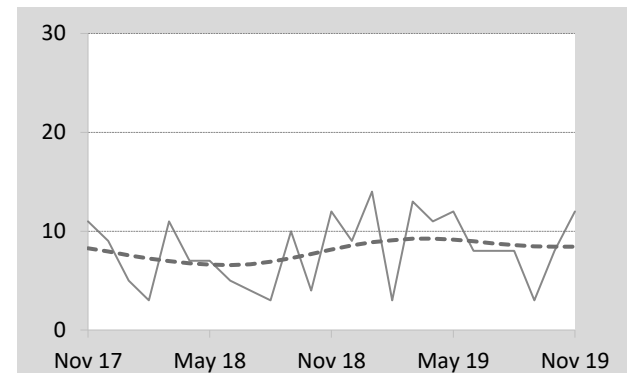


Figure 4.5 WA

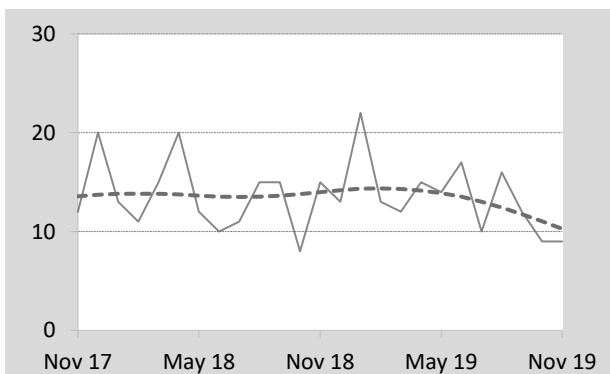


Figure 4.6 Tas

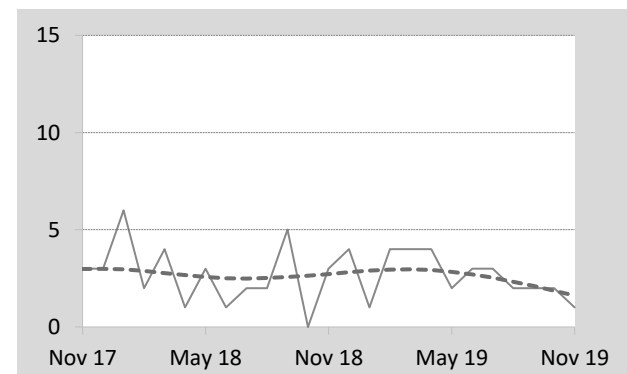


Figure 4.7 NT

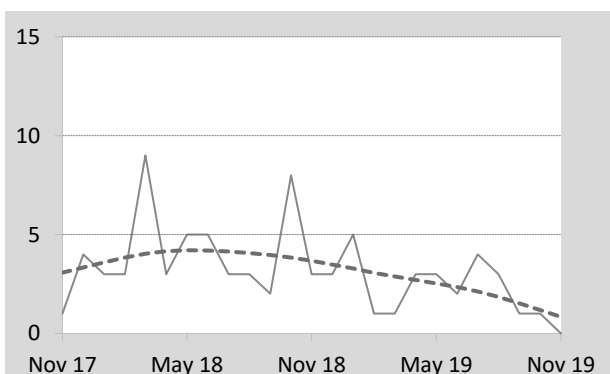
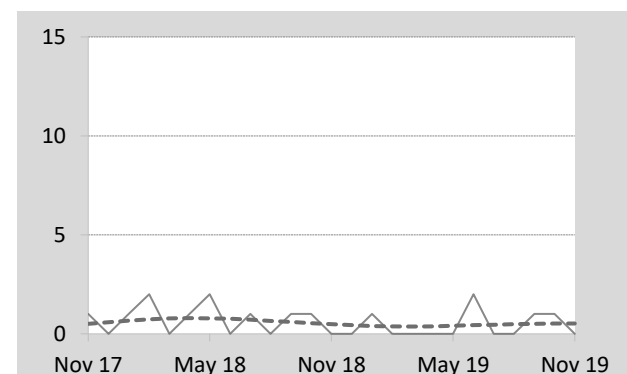


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended November	Crash type ^a			Posted speed limit						Total ^c
	Single	Multiple	Pedestrian	≤ 40 ^b	50	60	70 to 90	100	≥ 110	
2015	492	440	159	17	119	215	246	345	139	1,091
2016	513	489	176	17	126	216	288	356	165	1,178
2017	485	466	163	32	145	202	236	345	145	1,114
2018	492	424	166	14	133	193	240	342	146	1,082
2019	515	416	169	17	135	179	232	327	163	1,100
Latest per cent change	4.7	-1.9	1.8	21.4	1.5	-7.3	-3.3	-4.4	11.6	1.7
Average trend change per year (per cent)	0.5	-2.5	0.6	-1.9	3.1	-4.7	-3.0	-1.5	2.0	-0.7

Table 5.2 By Day of week and Time of day

12 months ended November	Day of week ^d		Time of day ^e	
	Weekday	Weekend	Day	Night
2015	667	424	672	419
2016	719	459	709	469
2017	697	417	696	418
2018	651	431	673	409
2019	693	407	682	418
Latest per cent change	6.5	-5.6	1.3	2.2
Average trend change per year (per cent)	-0.2	-1.4	-0.2	-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 in "≤40" are crashes where speed limit is 20 km/h through to 40 km/h.

c Includes crashes where speed limit is unknown, not specified or under 20 km/h.

d 'Weekday' refers to 6am Monday through to 5:59pm Friday.

e '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.