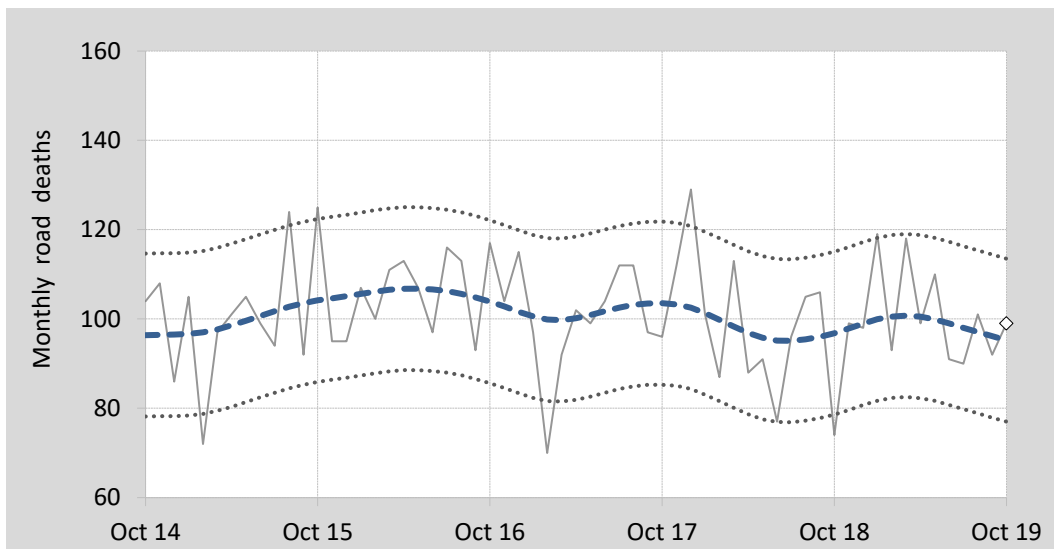




This month's key figures

- There was a total of 99 road deaths during the month of October 2019. The current figure is 4.1 per cent lower than the average for October over the previous five years.
- During the 12 months ended October 2019, there were 1,209 road deaths. This is an increase of 2.5 per cent from the 12-month period ending October 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.8. This is a 0.9 per cent increase compared to the rate for the 12-month period ending October 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
October 2018	21	21	11	4	8	0	8	1	74
October 2019	29	25	23	9	9	2	1	1	99
Per cent change	38.1	19.0	109.1	125.0	12.5	-	-87.5	0.0	33.8

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - October 2018	294	173	203	59	130	26	44	9	938
January 2019 - October 2019	310	233	184	89	140	27	24	5	1,012
Per cent change	5.4	34.7	-9.4	50.8	7.7	3.8	-45.5	-44.4	7.9

Table I.3 Year ending October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	337	257	239	117	164	37	45	12	1,208
2016	387	276	238	83	185	36	44	15	1,264
2017	364	248	259	96	163	30	35	5	1,200
2018	372	234	241	79	162	32	49	10	1,179
2019	363	273	226	110	168	34	30	5	1,209
Latest per cent change	-2.4	16.7	-6.2	39.2	3.7	6.3	-38.8	-50.0	2.5
Average trend change per year (per cent)	1.1	-0.4	-1.0	-1.7	-0.8	-2.8	-6.8	-19.4	-0.7

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

Table 2.1 By road user

12 months ended October	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	556	249	158	211	31	1,208
2016	614	204	173	240	31	1,264
2017	550	231	161	214	36	1,200
2018	552	216	174	193	36	1,179
2019	571	206	178	216	35	1,209
Latest per cent change	3.4	-4.6	2.3	11.9	-2.8	2.5
Average trend change per year (per cent)	-0.5	-3.2	2.5	-1.7	4.0	-0.7

Table 2.2 By age-group^a (years)

12 months ended October	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	69	237	268	369	118	147	1,208
2016	52	249	280	414	108	161	1,264
2017	58	247	253	355	113	174	1,200
2018	48	227	258	388	116	140	1,179
2019	48	241	245	390	111	170	1,209
Latest per cent change	0.0	6.2	-5.0	0.5	-4.3	21.4	2.5
Average trend change per year (per cent)	-7.7	-0.6	-2.6	0.5	-0.5	1.5	-0.7

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

Table 2.3 By gender

12 months ended October	Males	Females	Total ^d
2015	866	342	1,208
2016	924	340	1,264
2017	876	323	1,200
2018	874	304	1,179
2019	925	283	1,209
<i>Latest per cent change</i>	5.8	-6.9	2.5
<i>Average trend change per year (per cent)</i>	0.8	-4.8	-0.7

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 October

12 months ended October	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.43	4.28	5.01	6.89	6.46	7.19	18.47	3.04	5.08
2016	5.02	4.49	4.92	4.85	7.24	6.96	17.96	3.73	5.24
2017	4.64	3.94	5.27	5.57	6.34	5.75	14.18	1.22	4.89
2018	4.67	3.63	4.82	4.55	6.25	6.07	19.85	2.38	4.73
2019	4.49	4.15	4.44	6.28	6.41	6.37	12.22	1.17	4.77
<i>Latest per cent change</i>	-3.8	14.2	-7.9	38.0	2.6	4.9	-38.5	-50.8	0.9
<i>Average trend change per year (per cent)</i>	-0.4	-2.7	-2.6	-2.4	-1.6	-3.7	-7.0	-21.0	-2.2

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	6.13	12.52	1.21	4.97
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	2.0	61.5	76.4	-8.5

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

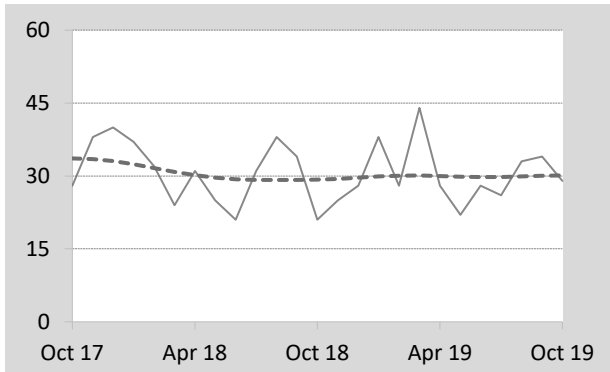


Figure 4.2 Vic

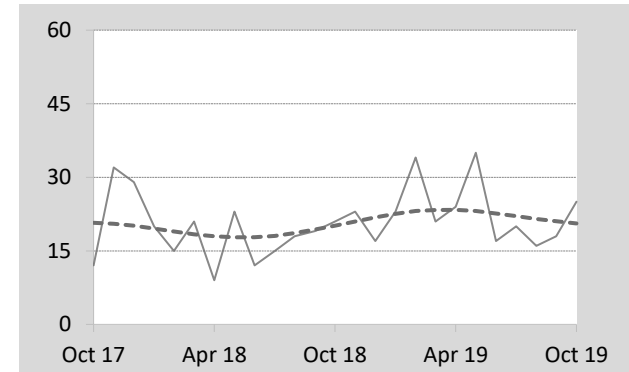


Figure 4.3 Qld

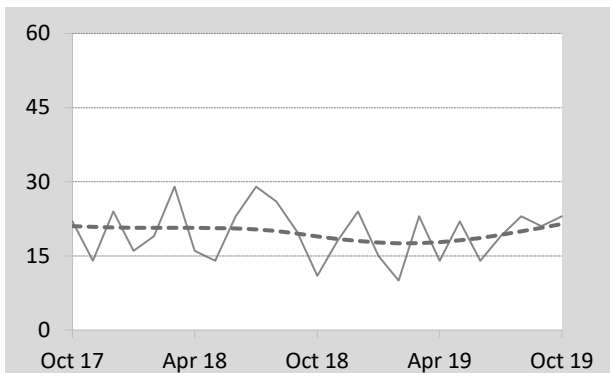


Figure 4.4 SA

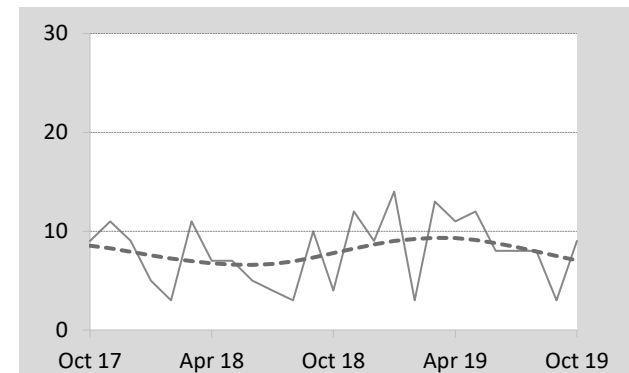


Figure 4.5 WA

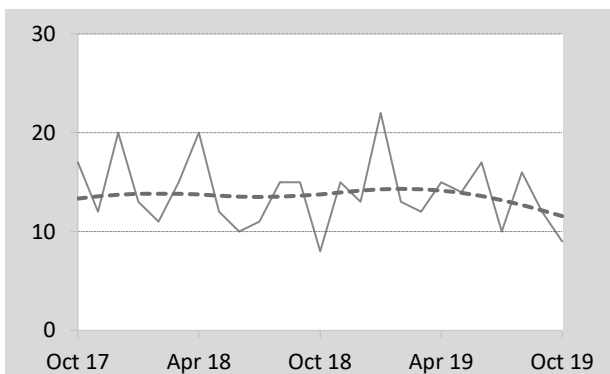


Figure 4.6 Tas

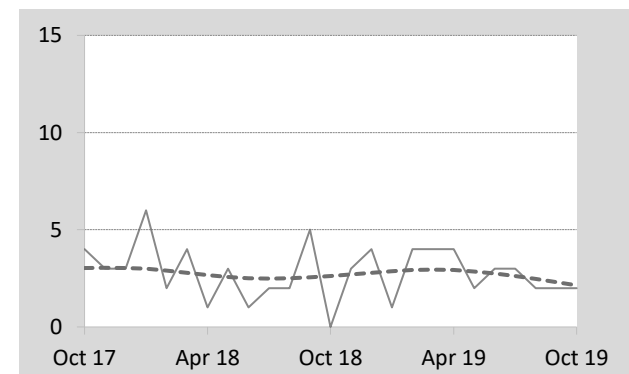


Figure 4.7 NT

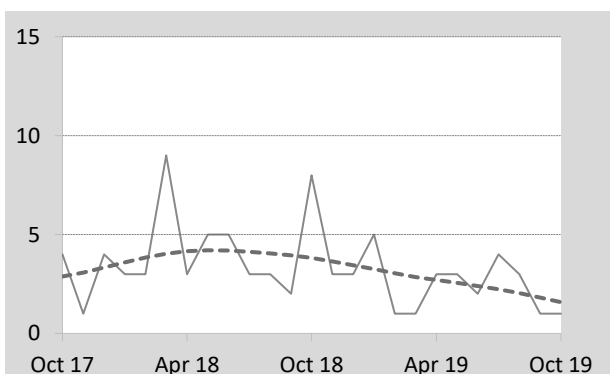
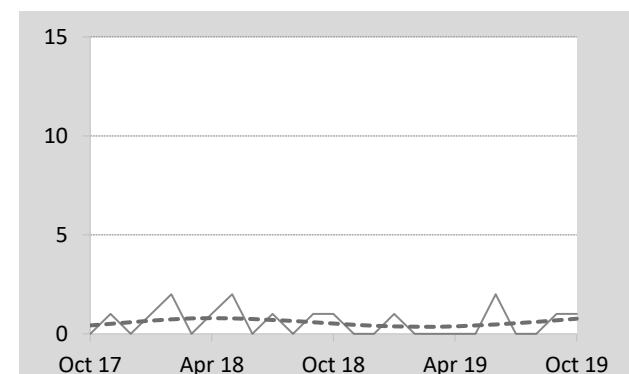


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended October	Crash type ^a			Posted speed limit						Total ^c
	Single	Multiple	Pedestrian	≤ 40 ^b	50	60	70 to 90	100	≥ 110	
2015	489	460	156	16	122	217	252	348	140	1,105
2016	517	479	173	17	124	215	274	364	165	1,169
2017	491	461	160	30	140	211	242	337	145	1,112
2018	482	437	172	16	140	189	241	349	141	1,091
2019	527	420	176	16	142	185	235	336	167	1,123
Latest per cent change	9.3	-3.9	2.3	0.0	1.4	-2.1	-2.5	-3.7	18.4	2.9
Average trend change per year (per cent)	0.8	-2.7	2.4	-0.6	4.3	-4.4	-2.6	-1.1	2.0	-0.4

Table 5.2 By Day of week and Time of day

12 months ended October	Day of week ^d		Time of day ^e	
	Weekday	Weekend	Day	Night
2015	666	439	677	428
2016	715	454	705	464
2017	701	411	709	403
2018	661	430	675	416
2019	699	424	693	430
Latest per cent change	5.7	-1.4	2.7	3.4
Average trend change per year (per cent)	0.2	-1.2	0.0	-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 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.