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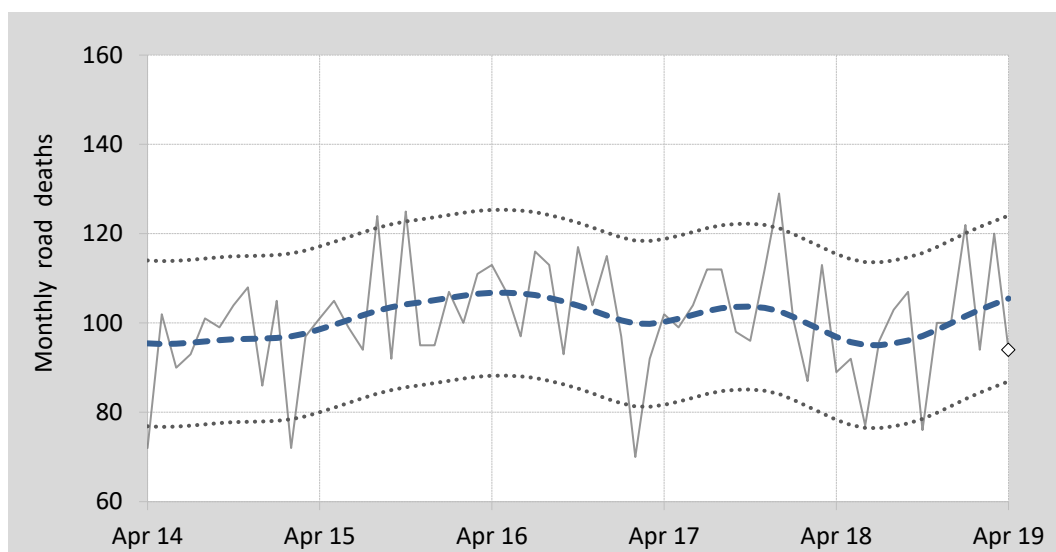
Road deaths Australia

April 2019

This month's key figures

- There was a total of **94** road deaths during the month of April 2019. The current figure is 1.5 per cent lower than the average for April over the previous five years.
- During the 12 months ended April 2019, there were 1,181 road deaths. This is a decrease of 5.7 per cent from the 12-month period ending April 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 7.2 per cent decrease compared to the rate for the 12-month period ending April 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
- Vicroads
- 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

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

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I. Deaths by jurisdiction

Table 1.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
April 2018	32	9	16	7	20	1	3	1	89
April 2019	23	25	14	12	15	2	3	0	94
Per cent change	-28.1	177.8	-12.5	71.4	-25.0	100.0	0.0	-100.0	5.6

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - April 2018	125	65	80	26	59	13	18	4	390
January 2019 - April 2019	133	106	65	42	62	11	10	1	430
Per cent change	6.4	63.1	-18.8	61.5	5.1	-15.4	-44.4	-75.0	10.3

Table 1.3 Year ending April

12 months ended April	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	299	251	235	107	185	35	38	8	1,158
2016	382	259	244	102	165	41	52	15	1,260
2017	354	280	241	82	186	25	43	12	1,223
2018	407	239	260	101	161	40	38	6	1,252
2019	361	254	230	96	161	31	42	6	1,181
Latest per cent change	-11.3	6.3	-11.5	-5.0	0.0	-22.5	10.5	0.0	-5.7
Average trend change per year (per cent)	4.5	-0.6	0.2	-2.2	-3.0	-2.6	-1.1	-13.9	0.3

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

Table 2.1 By road user

12 months ended April	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	529	232	157	204	33	1,158
2016	600	239	159	224	36	1,260
2017	586	210	167	229	25	1,223
2018	580	233	182	208	40	1,252
2019	552	210	176	204	35	1,181
Latest per cent change	-4.8	-9.9	-3.3	-1.9	-12.5	-5.7
Average trend change per year (per cent)	0.5	-2.2	3.7	-0.7	2.3	0.3

Table 2.2 By age-group^a (years)

12 months ended April	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	69	233	248	359	107	140	1,158
2016	60	248	272	389	123	168	1,260
2017	66	252	276	382	95	152	1,223
2018	41	242	247	416	131	174	1,252
2019	54	217	264	380	113	150	1,181
Latest per cent change	31.7	-10.3	6.9	-8.7	-13.7	-13.8	-5.7
Average trend change per year (per cent)	-8.3	-1.7	0.3	1.8	1.7	1.7	0.3

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

Table 2.3 By gender

12 months ended April	Males	Females	Total ^d
2015	816	341	1,158
2016	914	346	1,260
2017	905	317	1,223
2018	910	342	1,252
2019	893	287	1,181
Latest per cent change	-1.9	-16.1	-5.7
Average trend change per year (per cent)	1.8	-3.5	0.3

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 April

12 months ended April	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	3.96	4.23	4.96	6.33	7.33	6.81	15.63	2.05	4.91
2016	4.99	4.27	5.09	5.98	6.48	7.95	21.28	3.77	5.27
2017	4.55	4.50	4.95	4.78	7.26	4.82	17.45	2.95	5.03
2018	5.14	3.75	5.25	5.84	6.24	7.63	15.35	1.44	5.06
2019	4.49	3.90	4.56	5.51	6.18	5.84	17.00	1.42	4.70
Latest per cent change	-12.6	4.0	-13.1	-5.7	-0.9	-23.4	10.8	-1.8	-7.2
Average trend change per year (per cent)	2.8	-2.9	-1.3	-3.0	-3.7	-3.4	-1.6	-15.6	-1.3

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	4.42	3.30	4.89	4.61	6.09	6.25	20.22	2.14	4.57
Latest per cent change	-10.6	-19.5	-2.5	-20.6	-1.4	-1.1	61.4	76.2	-8.2

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

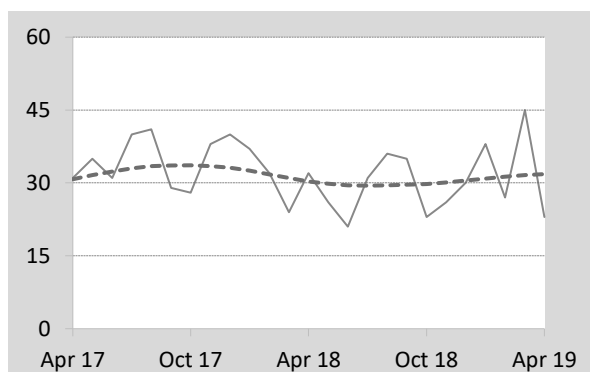


Figure 4.2 Vic

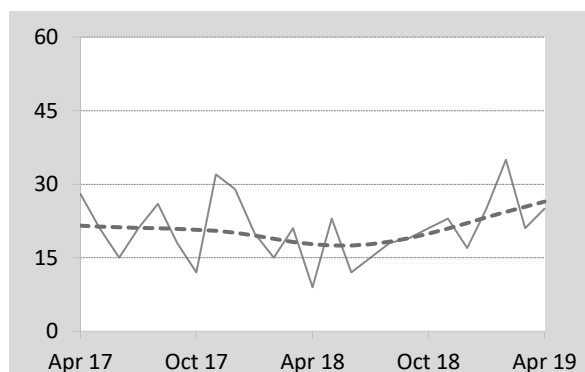


Figure 4.3 Qld

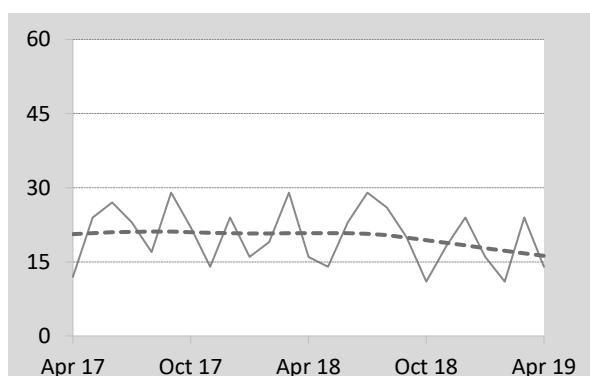


Figure 4.4 SA

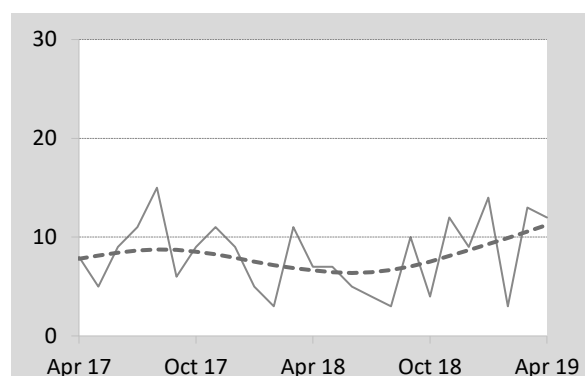


Figure 4.5 WA

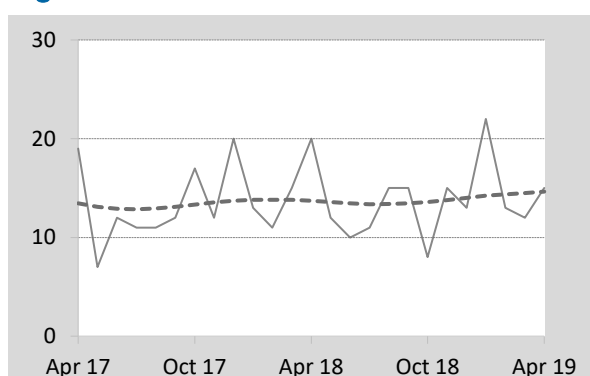


Figure 4.6 Tas

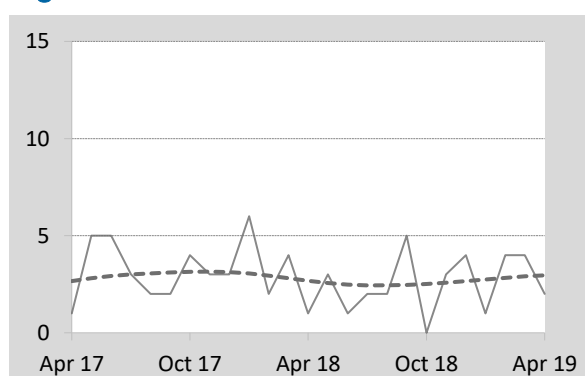


Figure 4.7 NT

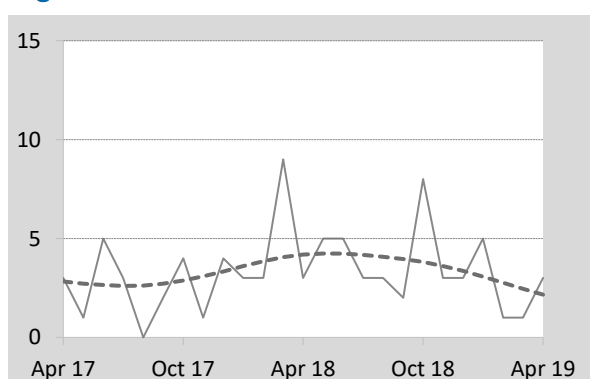
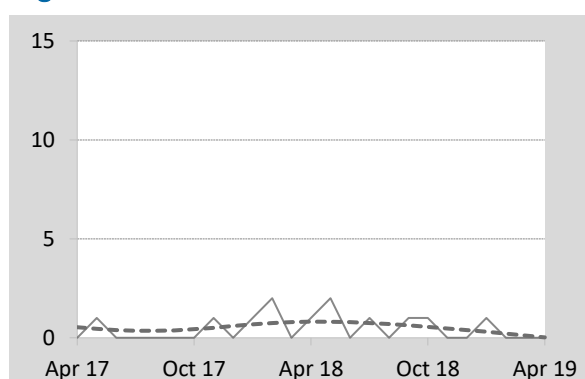


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended April	Crash type ^a			Posted speed limit							Total ^b
	Single	Multiple	Pedestrian	≤ 30	40	50	60	70 to 90	100	≥ 110	
2015	473	425	155	3	19	112	201	228	343	137	1,053
2016	519	476	158	0	13	124	224	255	367	160	1,153
2017	505	473	166	2	20	125	199	284	361	144	1,144
2018	490	480	181	3	31	160	223	248	332	146	1,151
2019	523	399	174	6	11	116	176	224	346	165	1,096
Latest per cent change	6.7	-16.9	-3.9	100.0	-64.5	-27.5	-21.1	-9.7	4.2	13.0	-4.8
Average trend change per year (per cent)	1.4	-1.2	3.7	-	-2.2	3.3	-2.7	-0.6	-0.8	2.8	0.8

Table 5.2 By Day of week and Time of day

12 months ended April	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	645	408	672	381
2016	726	427	723	430
2017	698	446	676	468
2018	704	447	731	420
2019	669	427	677	419
Latest per cent change	-5.0	-4.5	-7.4	-0.2
Average trend change per year (per cent)	0.4	1.4	0.3	1.7

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.

6. Supplementary data — Easter 2019

This month's supplementary section presents an analysis of a 5-day Easter period. There is no uniformly defined 'Easter holiday period' amongst Australia's road safety authorities. In some or all jurisdictions, there are defined periods of more stringent road safety enforcement, but the types and start-finish dates vary. The Australia and New Zealand Police Advisory Agency (ANZPAA) no longer publish the series of 'holiday period' fatalities.

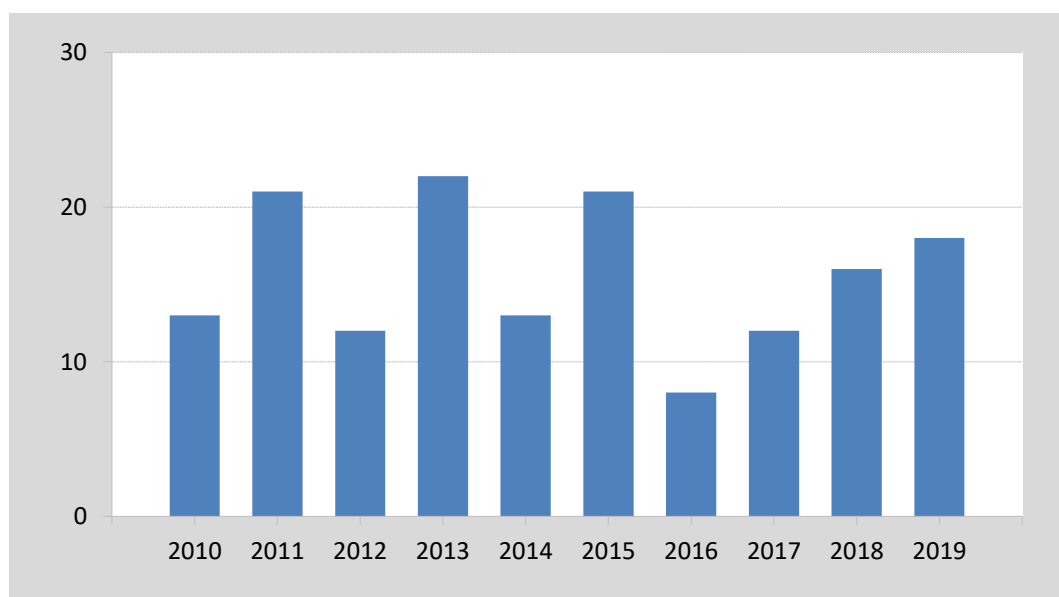
The following analyses are based on a fixed 5-day period starting on the Thursday before Easter Sunday each year, referred to here as the 'Easter period'.

Data for recent Easter periods is preliminary and is subject to revision by jurisdictions.

Table 6.1 Fatalities during Easter period

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas</i>	<i>NT</i>	<i>ACT</i>	<i>Australia</i>
2010	3	3	2	3	1	0	0	1	13
2011	5	3	6	1	5	1	0	0	21
2012	2	5	1	1	0	0	3	0	12
2013	3	5	4	5	3	2	0	0	22
2014	2	1	3	0	6	1	0	0	13
2015	4	4	8	1	3	0	1	0	21
2016	2	1	0	1	3	0	1	0	8
2017	5	3	2	0	1	0	1	0	12
2018	3	1	4	1	2	1	4	0	16
2019	4	3	4	3	2	1	1	0	18

Figure 6.1 Fatalities during Easter period — Australia



6. Supplementary data — Easter 2019 (continued)

Figure 6.2 Fatalities during Easter period — by jurisdiction

