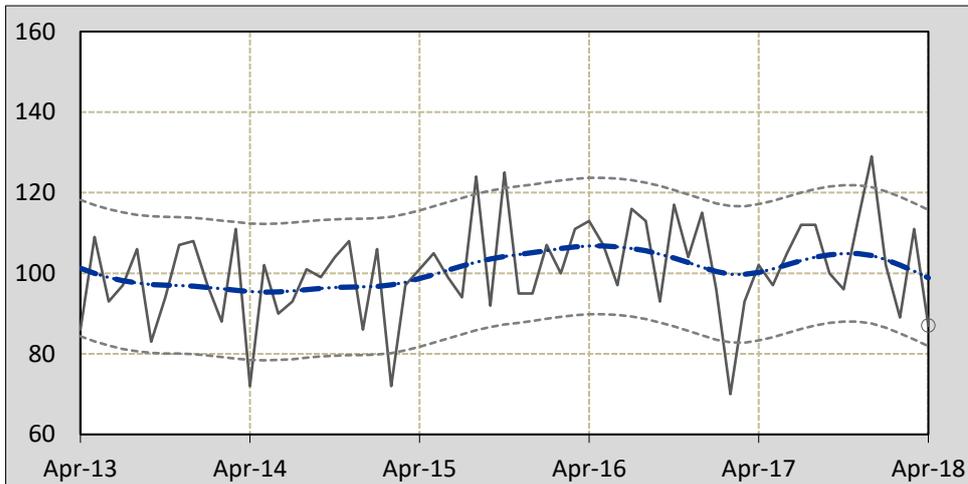




This month's key figures

- There was a total of 87 road deaths during the month of April 2018. In comparison to the average for April over the previous five years, the current figure is 8.2 per cent lower. It is however within a 90% prediction interval around the trend.
- During the 12 months ended April 2018, there were 1,253 road deaths. This is a 2.5 per cent increase compared to the total for the 12-month period ended April 2017.
- Presently, the rate of annual deaths per 100,000 population stands at 5.1. Compared to the figure for the 12-month period ending April 2017, this is a 0.8 per cent increase.
- This bulletin includes an analysis of the 2018 five-day Easter period, during which there were 17 fatalities. Over the last five years the average over the Easter periods was 14 fatalities.

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, S.A.
- Western Australia Police
- Department of State Growth, Tasmania
- Department of Transport, Northern Territory
- Transport Canberra and City 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.

See www.roadsafety.gov.au for performance indicators used to monitor progress under the National Road Safety Strategy 2011-2020 (NRSS).

I. Deaths by jurisdiction

Table I.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
April 2017	31	28	12	8	19	1	3	0	102
April 2018	30	10	15	7	20	1	3	1	87
Per cent change	-3.2	-64.3	25.0	-12.5	5.3	0.0	0.0	-	-14.7

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2017 - April 2017	107	85	67	25	57	6	11	3	361
January 2018 - April 2018	125	65	79	26	59	13	18	4	389
Per cent change	16.8	-23.5	17.9	4.0	3.5	116.7	63.6	33.3	7.8

Table I.3 Year ending April

12 months ended April	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	338	247	236	92	170	35	40	7	1,165
2015	299	251	235	107	186	35	38	8	1,159
2016	382	259	244	102	165	41	52	15	1,260
2017	354	280	241	82	186	25	43	12	1,223
2018	410	235	259	102	161	42	38	6	1,253
Latest per cent change	15.8	-16.1	7.5	24.4	-13.4	68.0	-11.6	-50.0	2.5
Average trend change per year (per cent)	5.7	0.1	2.1	-0.6	-1.1	0.3	0.2	1.0	2.0

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
2014	531	214	164	193	58	1,165
2015	529	232	158	204	33	1,159
2016	600	239	159	224	36	1,260
2017	586	210	167	229	25	1,223
2018	588	233	176	208	40	1,253
Latest per cent change	0.3	11.0	5.4	-9.2	60.0	2.5
Average trend change per year (per cent)	3.1	0.7	2.0	2.7	-9.7	2.0

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
2014	60	211	246	373	118	157	1,165
2015	69	233	248	359	107	141	1,159
2016	60	248	272	389	123	168	1,260
2017	66	250	277	382	96	152	1,223
2018	40	243	243	419	130	171	1,253
Latest per cent change	-39.4	-2.8	-12.3	9.7	35.4	12.5	2.5
Average trend change per year (per cent)	-8.2	3.6	0.9	3.0	0.9	2.5	2.0

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

Table 2.3 By gender

12 months ended April	Males	Females	Total ^d
2014	849	316	1,165
2015	816	342	1,159
2016	914	346	1,260
2017	904	318	1,223
2018	908	341	1,253
Latest per cent change	0.4	7.2	2.5
Average trend change per year (per cent)	2.4	0.8	2.0

a Age groups were changed in March 2014.

b Includes pillion passengers.

c Includes deaths to persons with either age or road user type not recorded.

d Includes deaths to persons with gender not recorded.

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
2014	4.54	4.25	5.04	5.49	6.79	6.82	16.45	1.82	5.01
2015	3.96	4.22	4.95	6.32	7.35	6.81	15.59	2.04	4.91
2016	4.98	4.26	5.08	5.98	6.47	7.95	21.24	3.76	5.26
2017	4.55	4.50	4.95	4.78	7.25	4.82	17.50	2.96	5.03
2018	5.19	3.69	5.23	5.90	6.22	8.04	15.44	1.45	5.07
Latest per cent change	14.0	-18.0	5.7	23.6	-14.2	66.8	-11.8	-50.9	0.8
Average trend change per year (per cent)	4.1	-2.1	0.7	-1.3	-1.9	-0.2	-0.1	-0.8	0.5

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4.49	4.21	5.82	5.86	6.50	7.02	15.24	1.82	5.13
2014	4.08	4.20	4.72	6.40	7.25	6.42	16.01	2.57	4.90
2015	4.59	4.18	5.08	5.99	6.29	6.60	20.00	3.78	5.05
2016	4.91	4.69	5.18	5.02	7.54	7.15	18.31	2.73	5.34
2017	4.99	4.03	5.01	5.86	6.16	6.72	12.60	1.22	4.98
Latest per cent change	1.6	-14.1	-3.2	16.7	-18.3	-6.0	-31.2	-55.3	-6.8

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (13-point moving average)

Figure 4.1 NSW

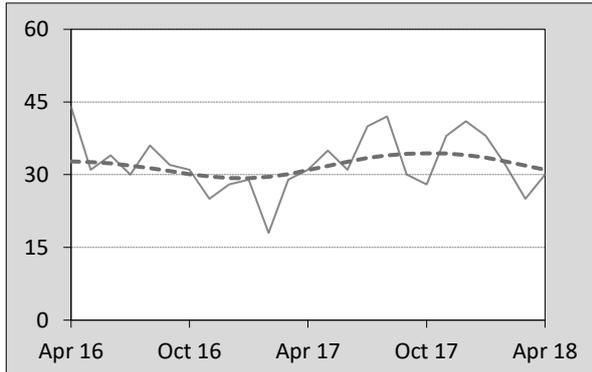


Figure 4.2 Vic

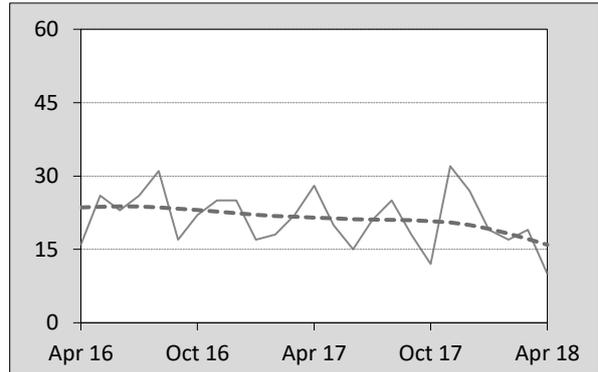


Figure 4.3 Qld

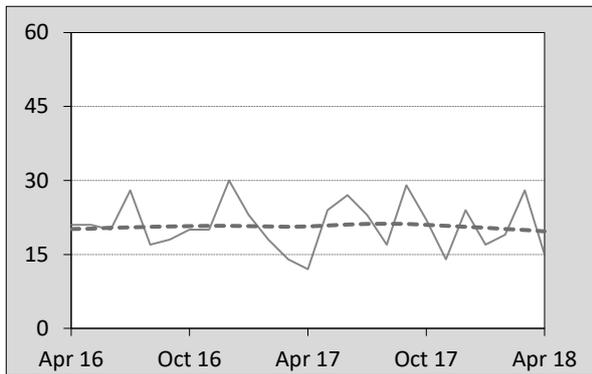


Figure 4.4 SA

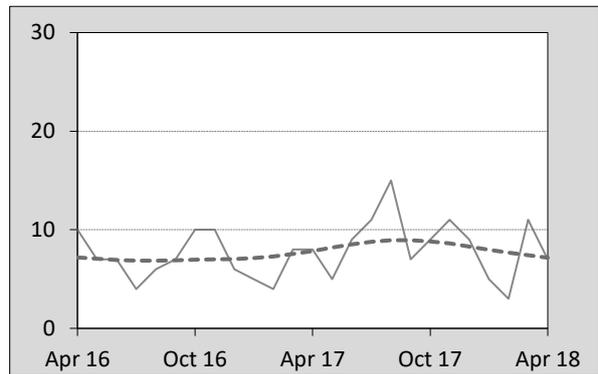


Figure 4.5 WA

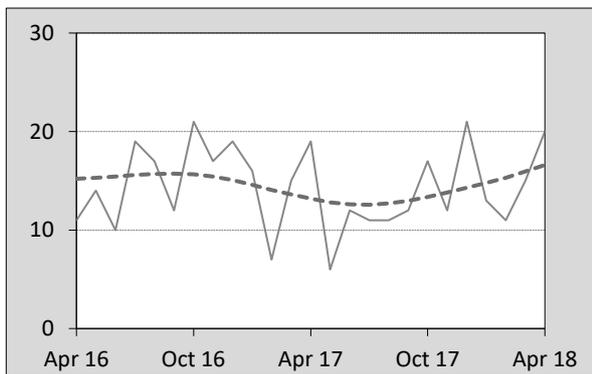


Figure 4.6 Tas

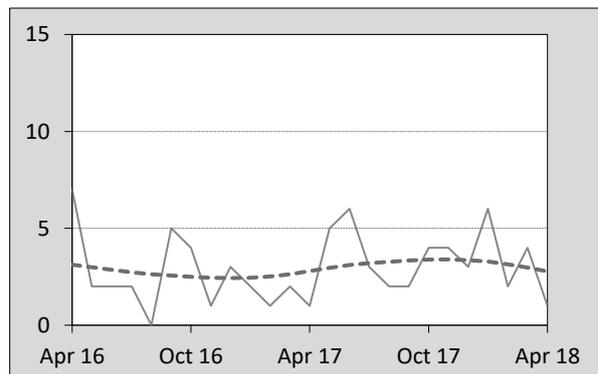


Figure 4.7 NT

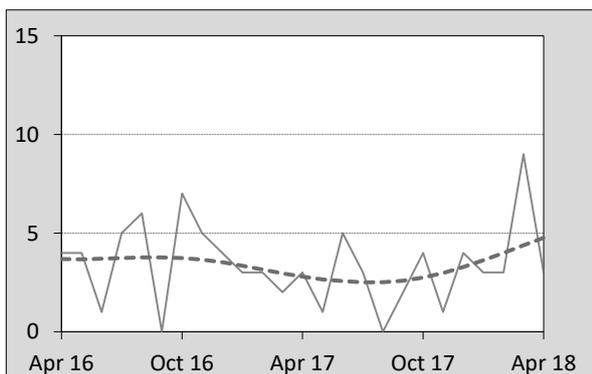
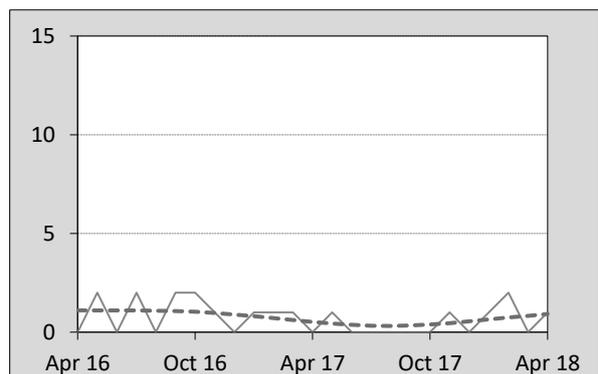


Figure 4.8 ACT



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	40	50	60	70 to 90	100	≥ 110	
2014	472	442	162	10	130	192	239	364	126	1,076
2015	474	424	156	18	112	201	228	343	137	1,054
2016	527	472	154	11	124	224	255	367	161	1,153
2017	506	484	154	17	126	198	286	362	143	1,144
2018	497	494	160	25	154	221	247	320	143	1,151
Latest per cent change	-1.8	2.1	3.9	47.1	22.2	11.6	-13.6	-11.6	0.0	0.6
Average trend change per year (per cent)	1.7	3.6	-0.4	19.4	4.7	2.7	3.0	-2.0	3.0	2.2

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
2014	648	428	684	392
2015	646	408	670	384
2016	725	428	723	430
2017	698	446	675	469
2018	700	451	733	418
Latest per cent change	0.3	1.1	8.6	-10.9
Average trend change per year (per cent)	2.3	2.0	1.5	3.3

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 where the posted speed limit is 30km/hr or less.

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.

Average trend change (% per year)

Calculated by fitting an exponential curve through the five data points, and quoting the constant (annual) change of this curve.

Smooth trend lines and error bounds

Whittaker-Henderson smoothers are 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 2009-2018

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'.

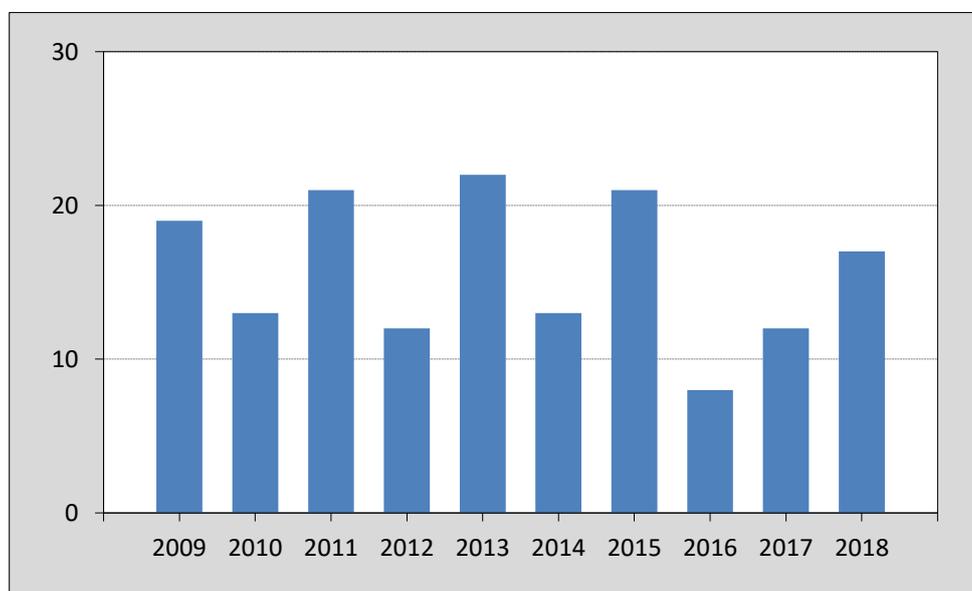
Data for recent Easter periods is preliminary and is subject to revision by jurisdictions.

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>
2009	9	2	5	0	1	1	0	1	19
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	4	1	4	1	2	1	4	0	17

Note Previous years data have been revised.

Figure 6.1 Fatalities during Easter period — Australia



6. Supplementary data — Easter 2009-2018 (continued)

Figure 6.2 Fatalities during Easter period — by jurisdiction

