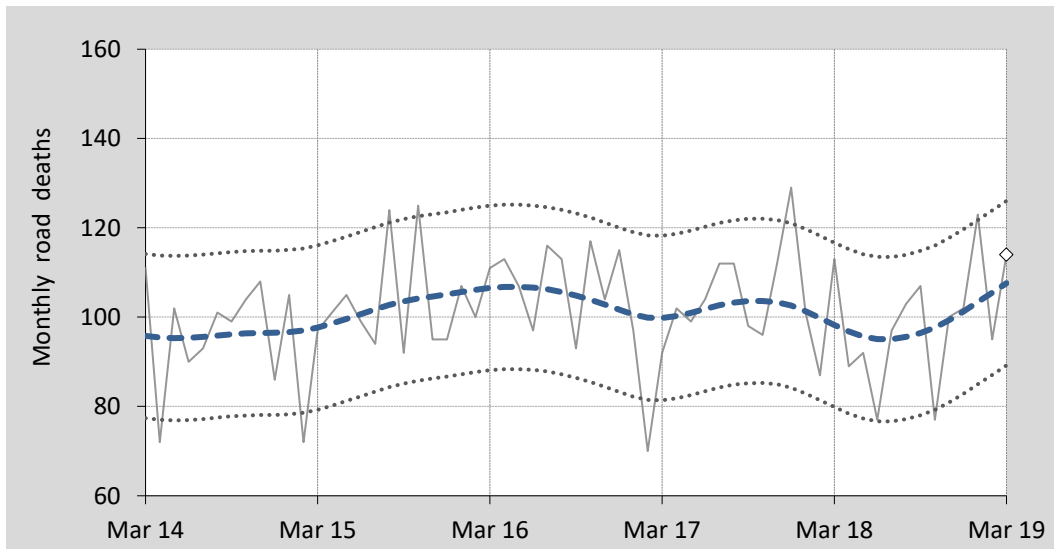




This month's key figures

- There was a total of 114 road deaths during the month of March 2019. The current figure is 8.8 per cent higher than the average for March over the previous five years.
- During the 12 months ended March 2019, there were 1,176 road deaths. This is a decrease of 7.0 per cent from the 12-month period ending March 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is an 8.7 per cent decrease compared to the rate for the 12-month period ending March 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

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
March 2018	24	21	29	11	15	4	9	0	113
March 2019	39	21	23	13	13	4	1	0	114
Per cent change	62.5	0.0	-20.7	18.2	-13.3	0.0	-88.9	-	0.9

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - March 2018	93	56	64	19	39	12	15	3	301
January 2019 - March 2019	106	81	50	30	48	9	7	1	332
Per cent change	14.0	44.6	-21.9	57.9	23.1	-25.0	-53.3	-66.7	10.3

Table I.3 Year ending March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	295	243	218	103	186	39	38	7	1,129
2016	362	265	252	101	168	34	50	16	1,248
2017	367	268	250	84	178	31	44	12	1,234
2018	406	258	256	102	160	40	38	5	1,265
2019	370	238	231	91	167	30	42	7	1,176
Latest per cent change	-8.9	-7.8	-9.8	-10.8	4.4	-25.0	10.5	40.0	-7.0
Average trend change per year (per cent)	5.8	-0.7	1.3	-2.4	-2.6	-3.6	-0.7	-11.0	1.0

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

Table 2.1 By road user

12 months ended March	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	519	221	151	196	39	1,129
2016	583	242	163	223	35	1,248
2017	600	210	172	226	21	1,234
2018	584	236	181	212	43	1,265
2019	549	209	169	210	34	1,176
Latest per cent change	-6.0	-11.4	-6.6	-0.9	-20.9	-7.0
Average trend change per year (per cent)	1.1	-1.4	3.4	0.9	-0.7	1.0

Table 2.2 By age-group^a (years)

12 months ended March	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	63	225	251	348	107	133	1,129
2016	58	245	270	385	123	167	1,248
2017	69	255	276	390	92	152	1,234
2018	44	248	249	412	132	179	1,265
2019	56	213	263	385	113	143	1,176
Latest per cent change	27.3	-14.1	5.6	-6.6	-14.4	-20.1	-7.0
Average trend change per year (per cent)	-5.0	-1.0	0.1	2.7	1.8	2.2	1.0

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

Table 2.3 By gender

12 months ended March	Males	Females	Total ^d
2015	803	325	1,129
2016	901	347	1,248
2017	908	325	1,234
2018	920	345	1,265
2019	888	287	1,176
<i>Latest per cent change</i>	-3.5	-16.8	-7.0
<i>Average trend change per year (per cent)</i>	2.2	-2.5	1.0

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 March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	3.91	4.10	4.60	6.09	7.37	7.59	15.62	1.79	4.79
2016	4.73	4.37	5.26	5.93	6.60	6.59	20.44	4.02	5.22
2017	4.72	4.32	5.14	4.89	6.95	5.98	17.85	2.96	5.08
2018	5.14	4.04	5.15	5.91	6.20	7.83	15.35	1.21	5.12
2019	4.61	3.63	4.57	5.23	6.42	5.66	16.99	1.66	4.67
<i>Latest per cent change</i>	-10.2	-10.1	-11.3	-11.5	3.5	-27.7	10.7	37.3	-8.7
<i>Average trend change per year (per cent)</i>	4.2	-3.2	-0.4	-3.1	-3.3	-4.1	-1.2	-12.7	-0.7

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	6.51	12.52	1.21	4.98
2018	4.47	3.28	4.87	4.61	6.09	6.25	20.22	2.14	4.57
<i>Latest per cent change</i>	-9.6	-19.9	-2.9	-20.6	-1.4	-4.0	61.4	76.2	-8.1

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

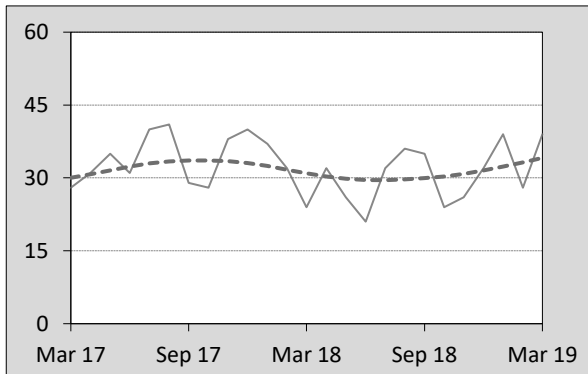


Figure 4.2 Vic

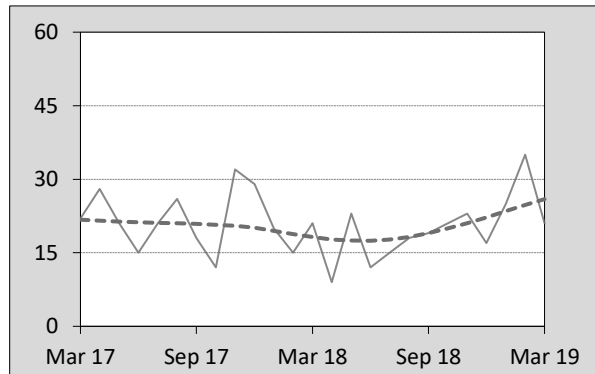


Figure 4.3 Qld

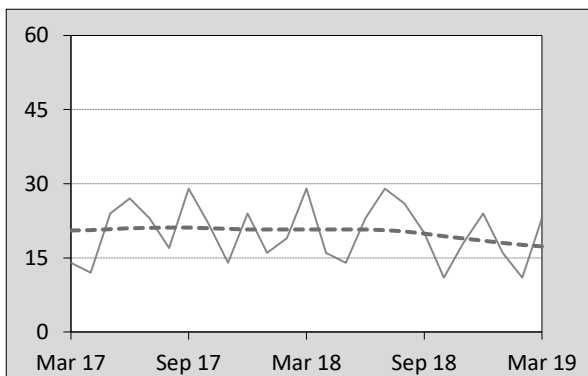


Figure 4.4 SA

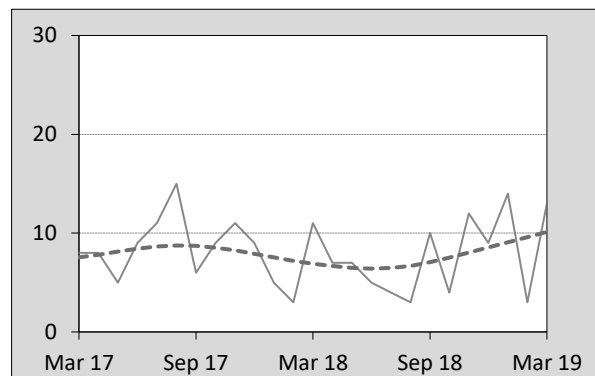


Figure 4.5 WA

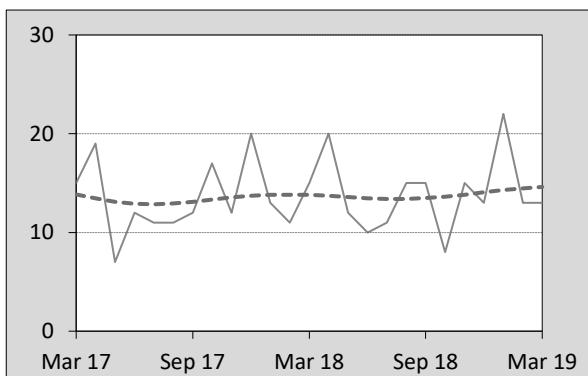


Figure 4.6 Tas

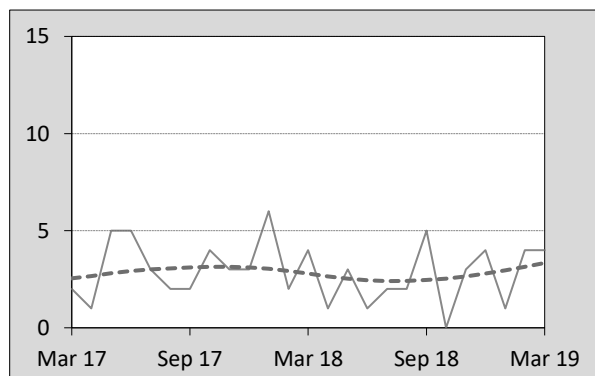


Figure 4.7 NT

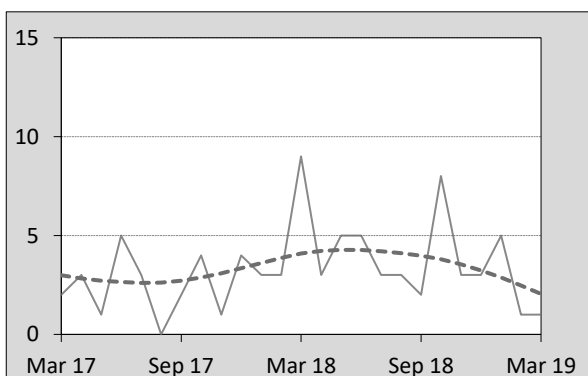
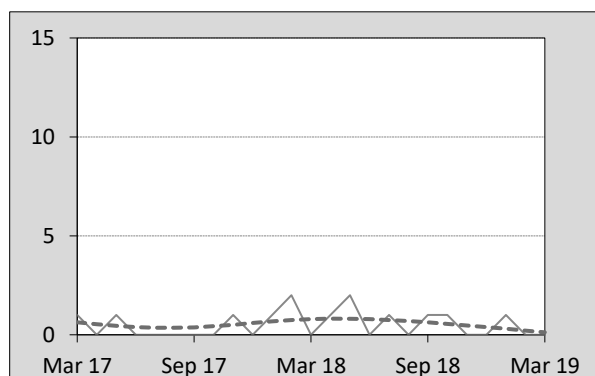


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended March	Crash type ^a			Posted speed limit							Total ^b
	Single	Multiple	Pedestrian	≤ 30	40	50	60	70 to 90	100	≥ 110	
2015	454	425	149	4	20	110	189	219	338	140	1,028
2016	514	469	162	0	11	124	231	253	363	152	1,145
2017	506	473	171	2	20	123	198	287	363	147	1,150
2018	495	487	180	2	33	162	223	256	341	138	1,162
2019	525	399	167	2	13	120	176	223	333	168	1,091
Latest per cent change	6.1	-18.1	-7.2	0.0	-60.6	-25.9	-21.1	-12.9	-2.3	21.7	-6.1
Average trend change per year (per cent)	2.6	-0.9	3.4	-	2.4	4.5	-1.8	0.5	-0.9	2.7	1.3

Table 5.2 By Day of week and Time of day

12 months ended March	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	633	395	651	377
2016	721	424	715	430
2017	693	457	682	468
2018	722	440	741	421
2019	664	427	674	417
Latest per cent change	-8.0	-3.0	-9.0	-1.0
Average trend change per year (per cent)	1.0	1.9	1.1	1.8

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.

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.