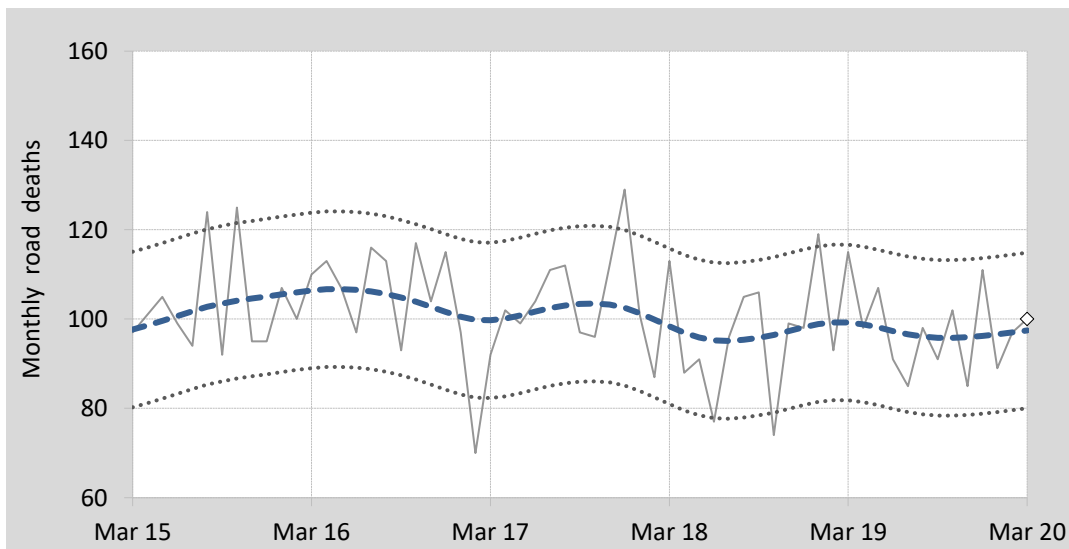




This month's key figures

- There was a total of 100 road deaths during the month of March 2020. The current figure is 5.1 per cent lower than the average for March over the previous five years.
- During the 12 months ended March 2020, there were 1,154 road deaths. This is a decrease of 0.6 per cent from the 12-month period ending March 2019.
- Presently, the rate of annual deaths per 100,000 population stands at 4.5. This is a 2.1 per cent decrease compared to the rate for the 12-month period ending March 2019.

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
March 2019	41	21	23	13	12	4	1	0	115
March 2020	24	26	23	14	10	2	1	0	100
Per cent change	-41.5	23.8	0.0	7.7	-16.7	-50.0	0.0	0.0	-13.0

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2019 - March 2019	107	78	48	30	47	9	7	1	327
January 2020 - March 2020	83	70	48	32	33	14	6	0	286
Per cent change	-22.4	-10.3	0.0	6.7	-29.8	55.6	-14.3	-100.0	-12.5

Table I.3 Year ending March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	362	265	252	101	168	34	50	15	1,247
2017	367	268	250	84	178	31	44	12	1,234
2018	406	258	256	102	160	38	38	5	1,263
2019	361	235	229	91	166	30	42	7	1,161
2020	331	262	219	116	149	37	35	5	1,154
Latest per cent change	-8.3	11.5	-4.4	27.5	-10.2	23.3	-16.7	-28.6	-0.6
Average trend change per year (per cent)	-1.9	-1.5	-3.6	3.6	-3.1	1.4	-7.3	-23.9	-2.1

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
2016	582	242	163	223	35	1,247
2017	600	210	172	226	21	1,234
2018	583	235	181	212	43	1,263
2019	529	211	170	209	37	1,161
2020	570	197	159	184	41	1,154
Latest per cent change	7.8	-6.6	-6.5	-12.0	10.8	-0.6
Average trend change per year (per cent)	-1.7	-4.0	-0.6	-4.5	9.2	-2.1

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
2016	58	245	270	384	123	167	1,247
2017	69	255	276	390	92	152	1,234
2018	44	248	248	412	131	179	1,263
2019	56	214	257	373	115	143	1,161
2020	45	239	264	343	101	161	1,154
Latest per cent change	-19.6	11.7	2.7	-8.0	-12.2	12.6	-0.6
Average trend change per year (per cent)	-6.9	-2.2	-1.2	-2.7	-1.7	-1.3	-2.1

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

Table 2.3 By gender

12 months ended March	Males	Females	Total ^d
2016	900	347	1,247
2017	908	325	1,234
2018	919	344	1,263
2019	873	287	1,161
2020	886	268	1,154
<i>Latest per cent change</i>	1.5	-6.6	-0.6
<i>Average trend change per year (per cent)</i>	-0.7	-6.2	-2.1

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 March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	4.73	4.37	5.26	5.93	6.60	6.59	20.44	3.77	5.22
2017	4.72	4.32	5.14	4.89	6.95	5.98	17.85	2.96	5.08
2018	5.14	4.06	5.18	5.91	6.20	7.25	15.35	1.21	5.11
2019	4.50	3.62	4.55	5.23	6.38	5.66	17.01	1.66	4.63
2020	4.08	3.95	4.28	6.60	5.66	6.91	14.25	1.17	4.53
<i>Latest per cent change</i>	-9.5	9.3	-6.0	26.4	-11.2	22.1	-16.2	-29.6	-2.1
<i>Average trend change per year (per cent)</i>	-3.4	-3.7	-5.2	2.9	-3.8	0.4	-7.4	-25.4	-3.7

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
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	20.24	2.14	4.54
2019	4.39	4.09	4.30	6.51	6.22	5.99	14.64	1.41	4.71
<i>Latest per cent change</i>	0.9	24.2	-12.1	41.2	2.1	-4.1	-27.7	-34.3	3.7

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

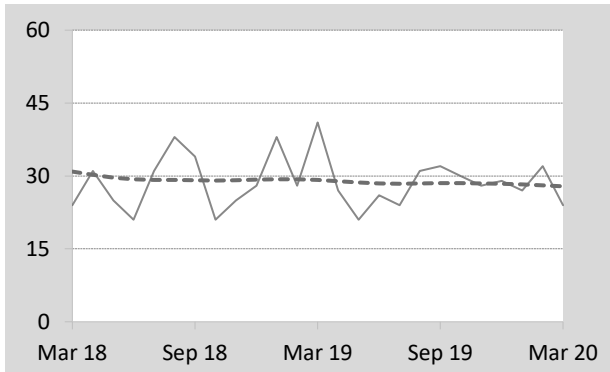


Figure 4.2 Vic

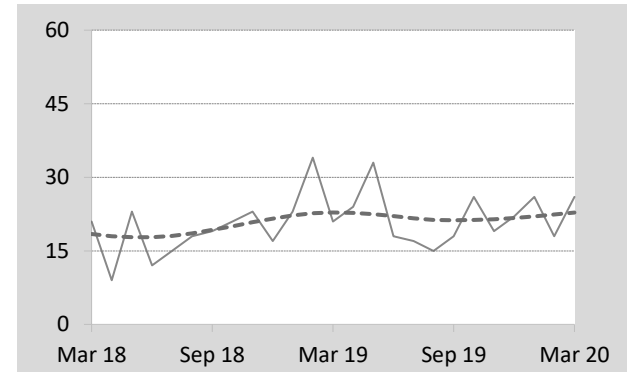


Figure 4.3 Qld

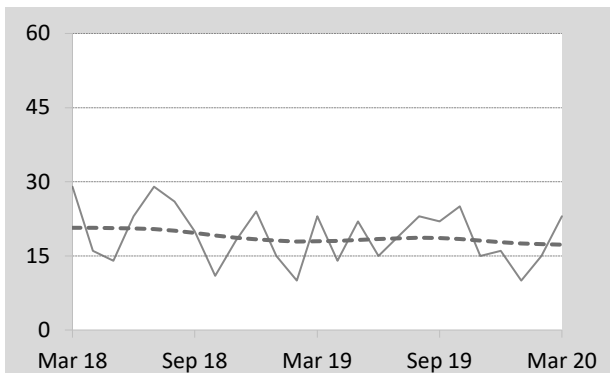


Figure 4.4 SA

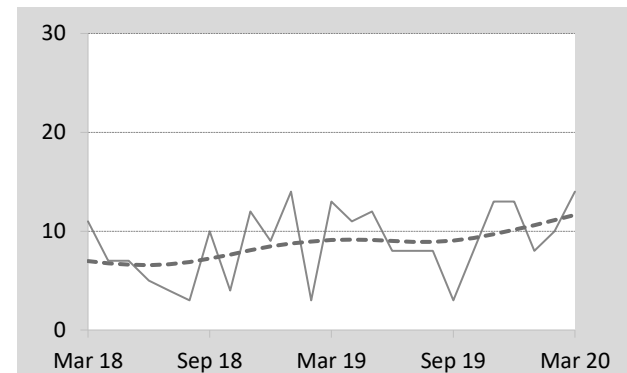


Figure 4.5 WA

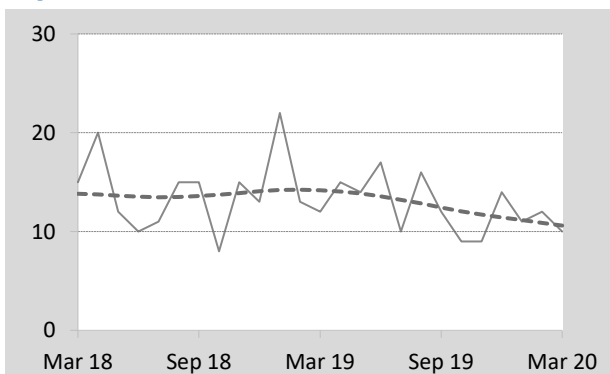


Figure 4.6 Tas

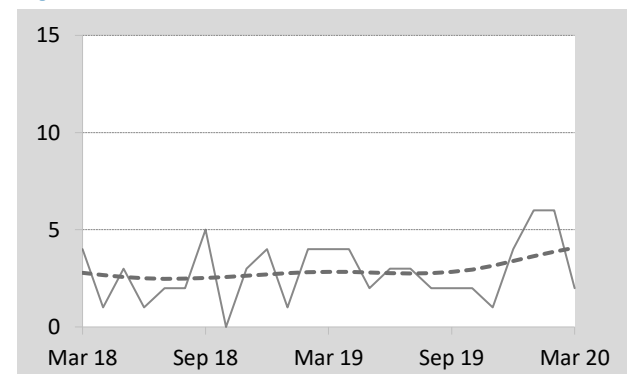


Figure 4.7 NT

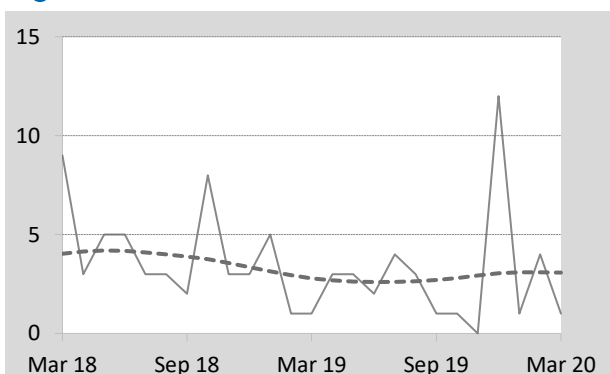
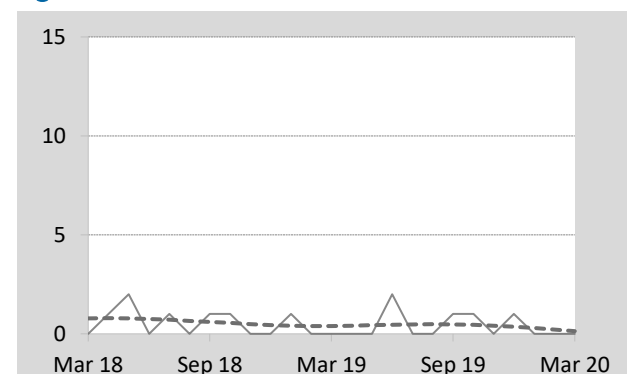


Figure 4.8 ACT



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	≤ 40	50	60	70 to 90	100	≥ 110	
2016	513	469	162	12	123	231	253	363	152	1,144
2017	506	473	171	22	123	198	287	363	147	1,150
2018	494	486	180	35	162	222	255	341	138	1,160
2019	511	396	168	17	125	187	223	348	167	1,075
2020	493	421	154	18	134	168	224	325	153	1,068
Latest per cent change	-3.5	6.3	-8.3	5.9	7.2	-10.2	0.4	-6.6	-8.4	-0.7
Average trend change per year (per cent)	-0.7	-3.9	-1.2	5.7	1.9	-6.7	-4.8	-2.6	1.4	-2.0

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
2016	721	423	715	429
2017	693	457	682	468
2018	720	440	739	421
2019	653	422	663	412
2020	672	396	651	417
Latest per cent change	2.9	-6.2	-1.8	1.2
Average trend change per year (per cent)	-2.0	-2.1	-2.1	-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 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.