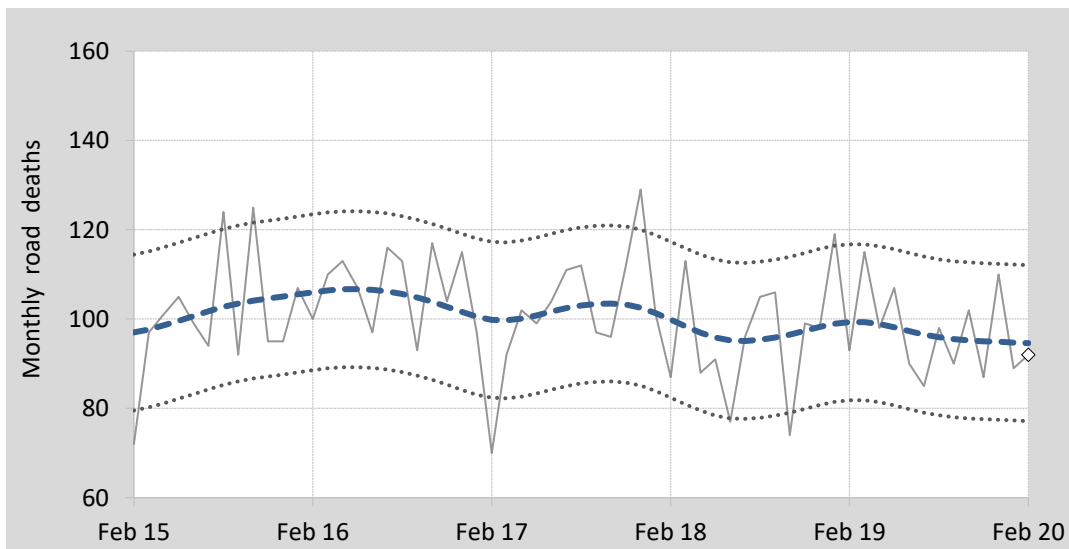




This month's key figures

- There was a total of 92 road deaths during the month of February 2020. The current figure is 9.0 per cent higher than the average for February over the previous five years.
- During the 12 months ended February 2020, there were 1,163 road deaths. This is an increase of 0.3 per cent from the 12-month period ending February 2019.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 1.1 per cent decrease compared to the rate for the 12-month period ending February 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
February 2019	28	34	10	3	13	4	1	0	93
February 2020	28	17	15	10	12	6	4	0	92
Per cent change	0.0	-50.0	50.0	233.3	-7.7	50.0	300.0	0.0	-1.1

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2019 - February 2019	66	57	25	17	35	5	6	1	212
January 2020 - February 2020	54	43	26	18	23	12	5	0	181
Per cent change	-18.2	-24.6	4.0	5.9	-34.3	140.0	-16.7	-100.0	-14.6

Table I.3 Year ending February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	354	262	258	96	166	33	51	14	1,234
2017	371	271	251	84	185	33	45	12	1,252
2018	410	259	241	99	160	36	31	6	1,242
2019	344	235	235	89	169	30	50	7	1,159
2020	343	256	219	115	151	39	35	5	1,163
Latest per cent change	-0.3	8.9	-6.8	29.2	-10.7	30.0	-30.0	-28.6	0.3
Average trend change per year (per cent)	-1.4	-1.9	-3.9	4.3	-2.8	2.4	-6.3	-22.9	-1.9

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

Table 2.1 By road user

12 months ended February	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2016	562	246	175	217	32	1,234
2017	617	209	172	228	23	1,252
2018	572	231	175	214	41	1,242
2019	531	205	174	203	39	1,159
2020	563	208	160	190	40	1,163
Latest per cent change	6.0	1.5	-8.0	-6.4	2.6	0.3
Average trend change per year (per cent)	-1.5	-3.5	-1.7	-3.7	10.2	-1.9

Table 2.2 By age-group^a (years)

12 months ended February	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2016	61	241	268	387	120	157	1,234
2017	65	260	273	395	95	164	1,252
2018	44	243	247	407	125	175	1,242
2019	56	222	266	355	114	143	1,159
2020	46	229	263	367	102	155	1,163
Latest per cent change	-17.9	3.2	-1.1	3.4	-10.5	8.4	0.3
Average trend change per year (per cent)	-6.9	-2.6	-0.6	-2.1	-1.4	-1.6	-1.9

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

Table 2.3 By gender

12 months ended February	Males	Females	Total ^d
2016	885	349	1,234
2017	921	330	1,252
2018	914	328	1,242
2019	871	287	1,159
2020	888	275	1,163
Latest per cent change	2.0	-4.2	0.3
Average trend change per year (per cent)	-0.5	-6.0	-1.9

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 February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	4.64	4.34	5.39	5.64	6.53	6.40	20.75	3.53	5.17
2017	4.79	4.37	5.17	4.90	7.24	6.37	18.26	2.97	5.16
2018	5.20	4.08	4.88	5.74	6.21	6.88	12.49	1.45	5.04
2019	4.30	3.63	4.68	5.12	6.51	5.67	20.21	1.66	4.63
2020	4.23	3.87	4.29	6.56	5.75	7.29	14.22	1.17	4.58
Latest per cent change	-1.6	6.8	-8.4	28.1	-11.6	28.6	-29.7	-29.6	-1.1
Average trend change per year (per cent)	-2.9	-4.1	-5.4	3.5	-3.5	1.4	-6.3	-24.3	-3.5

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	4.28	6.51	6.22	5.99	14.64	1.41	4.71
Latest per cent change	0.9	24.2	-12.5	41.3	2.1	-4.1	-27.7	-34.3	3.6

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

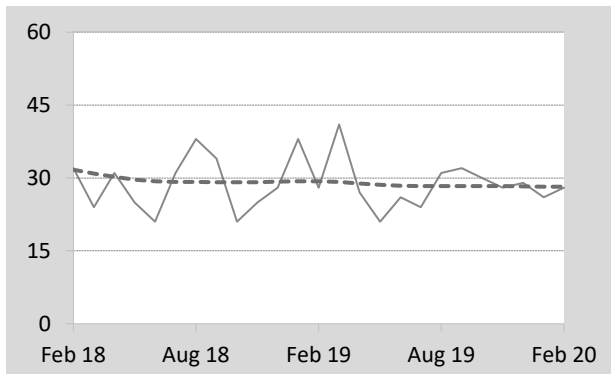


Figure 4.2 Vic

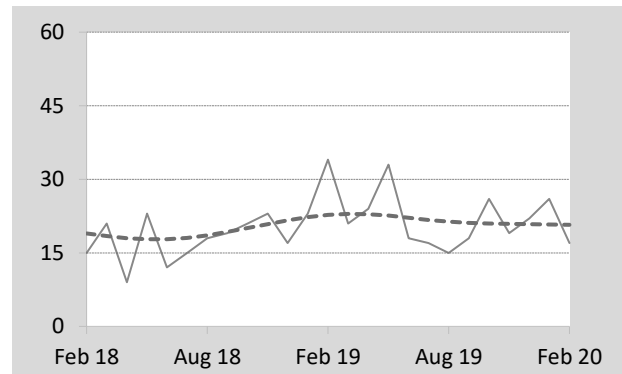


Figure 4.3 Qld

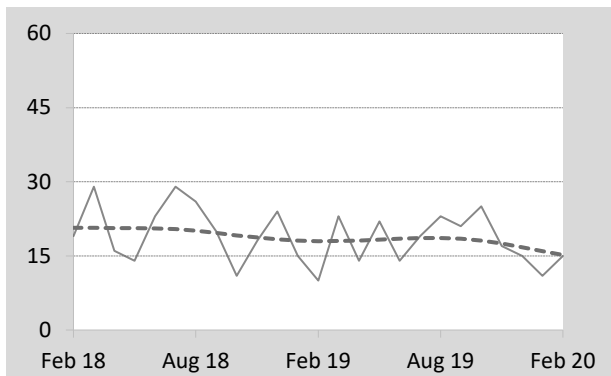


Figure 4.4 SA

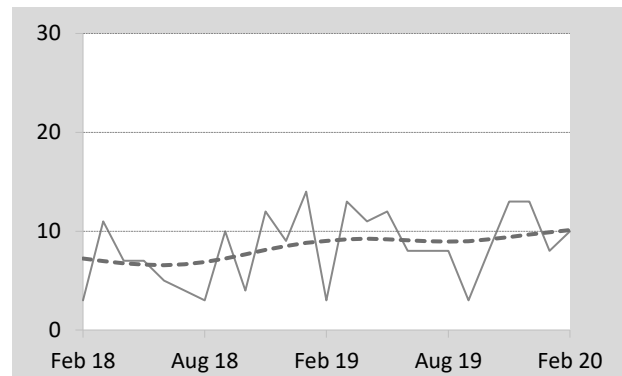


Figure 4.5 WA

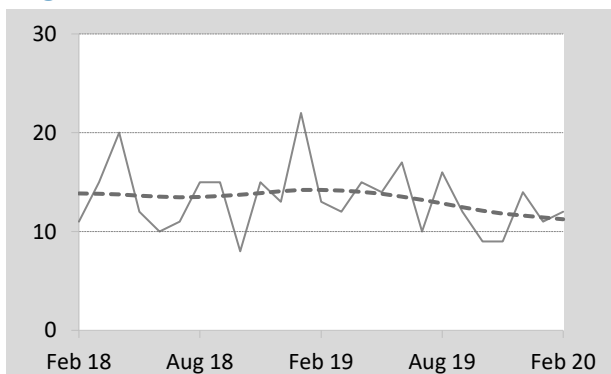


Figure 4.6 Tas

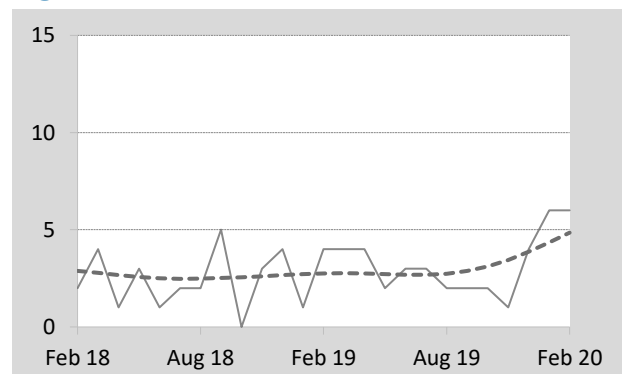


Figure 4.7 NT

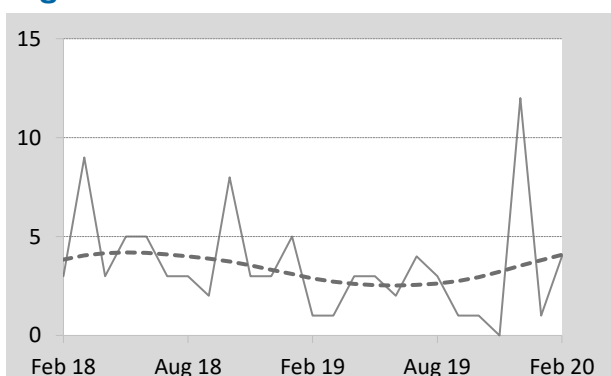
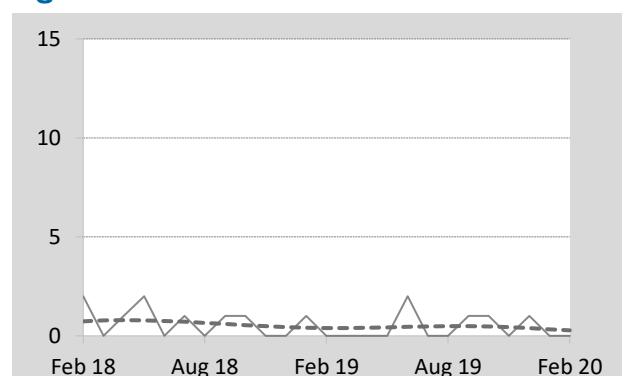


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended February	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	≤ 40	50	60	70 to 90	100	≥ 110	
2016	501	456	175	16	118	231	249	362	146	1,132
2017	509	482	170	19	124	202	293	357	156	1,161
2018	497	472	174	35	161	212	247	343	138	1,143
2019	506	401	172	16	131	189	232	341	159	1,079
2020	489	424	155	19	129	176	219	328	156	1,068
Latest per cent change	-3.4	5.7	-9.9	18.8	-1.5	-6.9	-5.6	-3.8	-1.9	-1.0
Average trend change per year (per cent)	-0.5	-3.2	-2.3	1.7	2.4	-5.9	-4.8	-2.4	1.5	-1.9

Table 5.2 By Day of week and Time of day

12 months ended February	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2016	698	434	695	437
2017	698	463	694	467
2018	718	425	731	412
2019	655	424	660	419
2020	676	392	658	410
Latest per cent change	3.2	-7.5	-0.3	-2.1
Average trend change per year (per cent)	-1.3	-2.9	-1.6	-2.3

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 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.