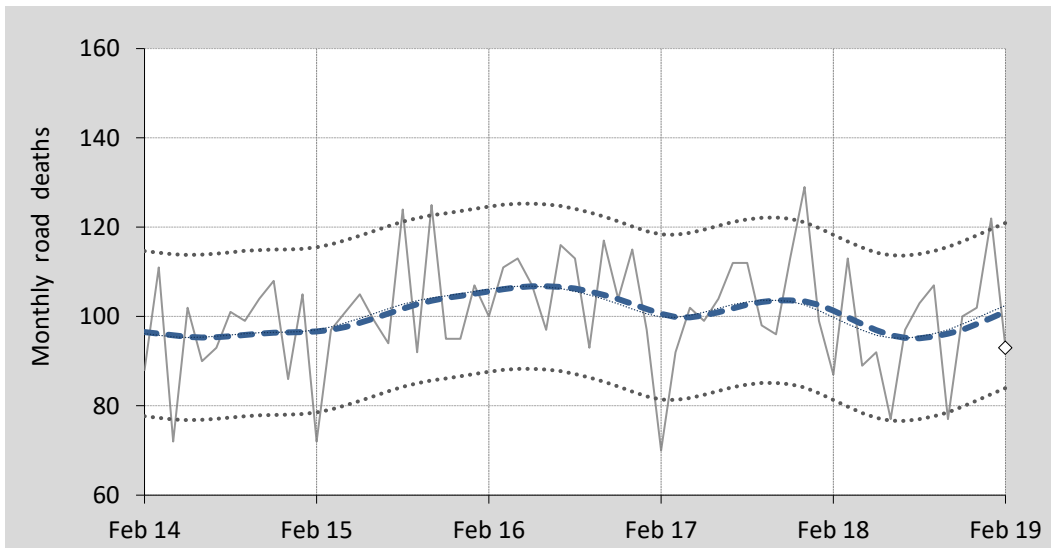




This month's key figures

- There was a total of 93 road deaths during the month of February 2019. The current figure is 11.5 per cent higher than the average for February over the previous five years.
- During the 12 months ended February 2019, there were 1,172 road deaths. This is a decrease of 5.7 per cent from the 12-month period ending February 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 February 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, S.A.
- 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 2018	32	15	19	3	11	2	3	2	87
February 2019	28	33	11	3	13	4	1	0	93
Per cent change	-12.5	120.0	-42.1	0.0	18.2	100.0	-66.7	-100.0	6.9

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - February 2018	69	34	34	8	24	8	6	3	186
January 2019 - February 2019	67	58	26	17	35	5	6	1	215
Per cent change	-2.9	70.6	-23.5	112.5	45.8	-37.5	0.0	-66.7	15.6

Table I.3 Year ending February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	297	246	219	112	185	38	37	9	1,143
2016	354	262	258	96	166	33	51	14	1,234
2017	371	271	251	84	185	33	45	13	1,253
2018	410	258	240	99	160	39	31	6	1,243
2019	355	236	236	89	169	30	50	7	1,172
Latest per cent change	-13.4	-8.5	-1.7	-10.1	5.6	-23.1	61.3	16.7	-5.7
Average trend change per year (per cent)	5.2	-1.0	0.8	-4.2	-2.2	-3.0	1.0	-12.6	0.6

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
2015	532	221	147	196	43	1,143
2016	562	246	175	217	32	1,234
2017	618	209	172	228	23	1,253
2018	573	232	174	214	41	1,243
2019	546	206	172	204	37	1,172
Latest per cent change	-4.7	-11.2	-1.1	-4.7	-9.8	-5.7
Average trend change per year (per cent)	0.7	-2.0	3.1	0.7	-0.5	0.6

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
2015	61	232	253	349	113	133	1,143
2016	61	241	268	387	120	157	1,234
2017	65	260	273	396	95	164	1,253
2018	44	243	248	406	126	175	1,243
2019	56	224	269	365	115	140	1,172
Latest per cent change	27.3	-7.8	8.5	-10.1	-8.7	-20.0	-5.7
Average trend change per year (per cent)	-4.9	-0.6	0.5	1.4	0.8	2.1	0.6

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

Table 2.3 By gender

12 months ended February	Males	Females	Total ^d
2015	812	330	1,143
2016	885	349	1,234
2017	922	330	1,253
2018	915	328	1,243
2019	884	287	1,172
<i>Latest per cent change</i>	-3.4	-12.5	-5.7
<i>Average trend change per year (per cent)</i>	2.1	-3.4	0.6

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 February

12 months ended February	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	3.95	4.16	4.63	6.63	7.34	7.40	15.22	2.31	4.86
2016	4.64	4.33	5.39	5.64	6.53	6.40	20.85	3.53	5.17
2017	4.78	4.37	5.17	4.90	7.23	6.37	18.27	3.21	5.16
2018	5.20	4.07	4.86	5.74	6.21	7.46	12.49	1.45	5.04
2019	4.43	3.64	4.69	5.12	6.50	5.67	20.18	1.66	4.68
<i>Latest per cent change</i>	-14.7	-10.5	-3.3	-10.8	4.7	-23.9	61.6	14.2	-7.2
<i>Average trend change per year (per cent)</i>	3.5	-3.2	-0.8	-4.9	-2.9	-3.7	0.5	-14.3	-1.0

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	-1.5	-4.0	61.4	76.2	-8.1

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

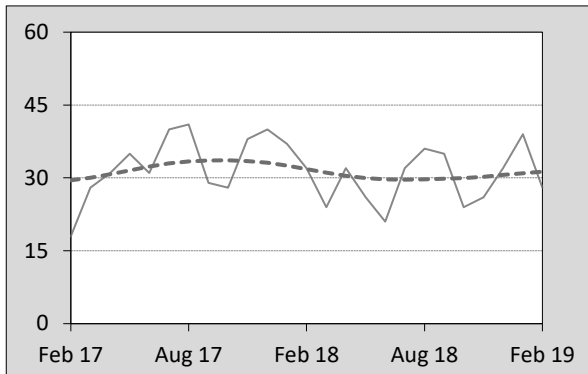


Figure 4.2 Vic

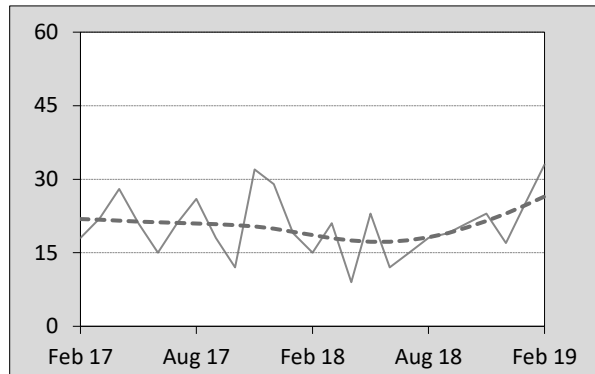


Figure 4.3 Qld

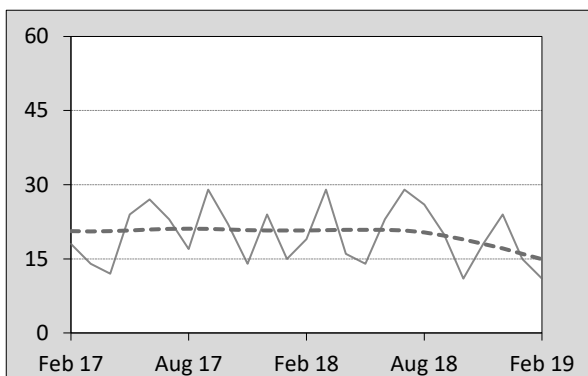


Figure 4.4 SA

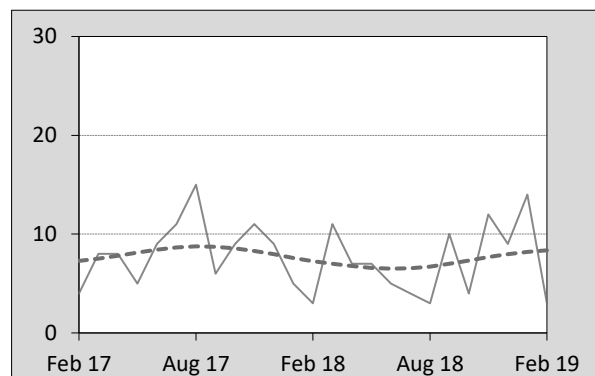


Figure 4.5 WA

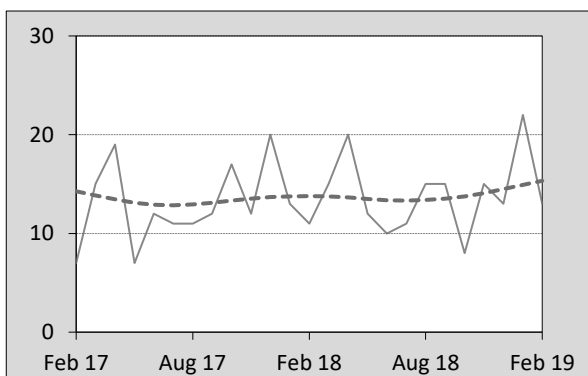


Figure 4.6 Tas

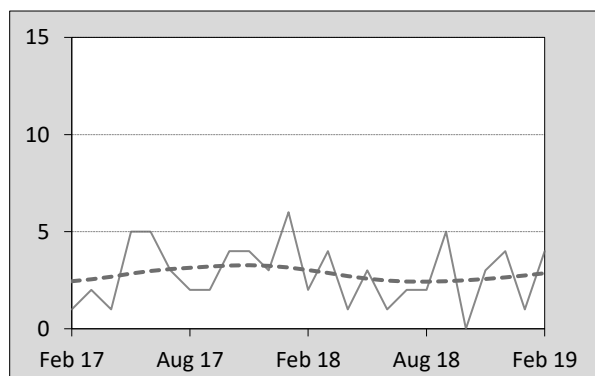


Figure 4.7 NT

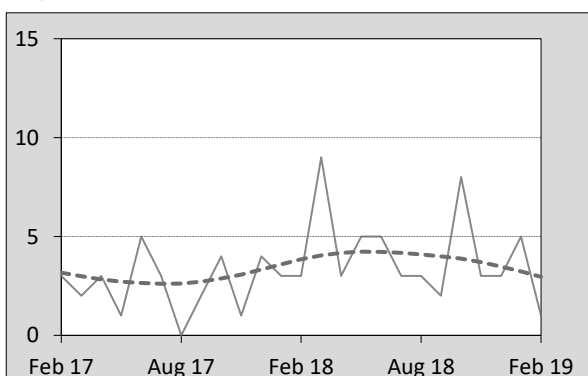
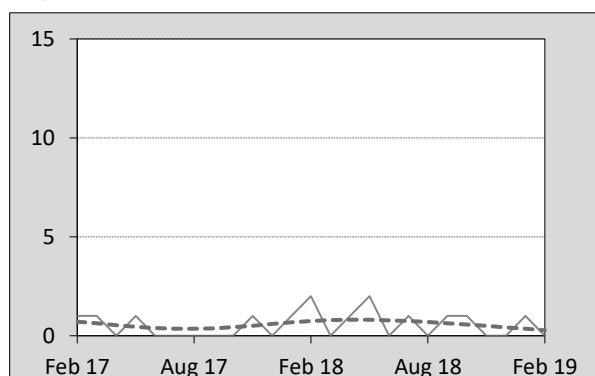


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended February	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2015	462	437	145	18	116	192	220	350	136	1,044
2016	501	456	175	14	118	231	249	362	146	1,132
2017	510	482	170	18	125	202	293	357	156	1,162
2018	498	473	173	32	161	213	248	343	137	1,144
2019	516	405	170	16	125	183	228	332	157	1,091
Latest per cent change	3.6	-14.4	-1.7	-50.0	-22.4	-14.1	-8.1	-3.2	14.6	-4.6
Average trend change per year (per cent)	2.2	-1.1	3.1	6.1	4.7	-1.8	0.7	-1.6	2.3	1.0

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
2015	654	390	662	382
2016	698	434	695	437
2017	698	464	694	468
2018	721	423	734	410
2019	663	428	665	426
Latest per cent change	-8.0	1.2	-9.4	3.9
Average trend change per year (per cent)	0.6	1.6	0.6	1.6

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.

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.