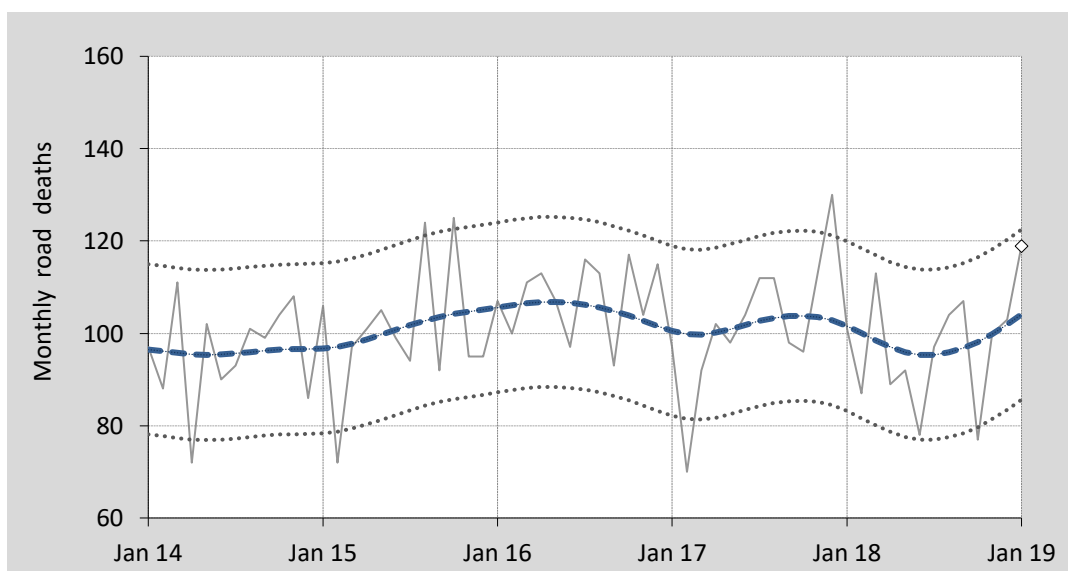




This month's key figures

- There was a total of 119 road deaths during the month of January 2019. The current figure is 17.1 per cent higher than the average for January over the previous five years.
- During the 12 months ended January 2019, there were 1,166 road deaths. This is a decrease of 5.0 per cent from the 12-month period ending January 2018.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is 6.5 per cent decrease compared to the rate for the 12-month period ending January 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 1.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018	37	19	17	5	13	6	3	1	101
January 2019	37	25	16	12	22	1	5	1	119
Per cent change	0.0	31.6	-5.9	140.0	69.2	-83.3	66.7	0.0	17.8

Table 1.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2018 - January 2018	37	19	17	5	13	6	3	1	101
January 2019 - January 2019	37	25	16	12	22	1	5	1	119
Per cent change	0.0	31.6	-5.9	140.0	69.2	-83.3	66.7	0.0	17.8

Table 1.3 Year ending January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	310	247	221	113	187	34	37	11	1,160
2016	338	249	252	96	168	38	51	14	1,206
2017	385	286	249	84	190	32	45	12	1,283
2018	396	261	241	100	156	38	31	5	1,228
2019	357	220	246	87	167	28	52	9	1,166
Latest per cent change	-9.8	-15.7	2.1	-13.0	7.1	-26.3	67.7	80.0	-5.0
Average trend change per year (per cent)	4.5	-1.8	1.7	-4.7	-3.0	-3.8	1.8	-13.3	0.3

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

Table 2.1 By road user

12 months ended January	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2015	534	229	146	203	45	1,160
2016	561	247	167	199	29	1,206
2017	612	212	182	246	28	1,283
2018	574	234	165	206	40	1,228
2019	548	207	171	200	34	1,166
Latest per cent change	-4.5	-11.5	3.6	-2.9	-15.0	-5.0
Average trend change per year (per cent)	0.7	-2.5	3.1	0.0	-2.4	0.3

Table 2.2 By age-group^a (years)

12 months ended January	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2015	64	234	253	364	112	131	1,160
2016	63	231	263	377	117	155	1,206
2017	62	265	285	405	104	162	1,283
2018	44	244	238	400	122	179	1,228
2019	55	227	271	367	110	131	1,166
Latest per cent change	25.0	-7.0	13.9	-8.3	-9.8	-26.8	-5.0
Average trend change per year (per cent)	-6.4	-0.1	0.4	0.8	0.1	1.5	0.3

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

Table 2.3 By gender

12 months ended January	Males	Females	Total ^d
2015	827	332	1,160
2016	866	340	1,206
2017	940	342	1,283
2018	901	327	1,228
2019	881	284	1,166
Latest per cent change	-2.2	-13.1	-5.0
Average trend change per year (per cent)	1.7	-3.5	0.3

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 January

12 months ended January	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.12	4.18	4.68	6.69	7.42	6.62	15.23	2.82	4.94
2016	4.43	4.13	5.27	5.64	6.61	7.37	20.85	3.53	5.06
2017	4.97	4.62	5.13	4.90	7.43	6.18	18.30	2.97	5.30
2018	5.03	4.12	4.88	5.80	6.06	7.27	12.51	1.21	4.99
2019	4.46	3.40	4.90	5.01	6.43	5.30	21.01	2.14	4.66
Latest per cent change	-11.2	-17.5	0.3	-13.6	6.1	-27.1	68.0	76.2	-6.5
Average trend change per year (per cent)	2.9	-4.1	0.2	-5.4	-3.7	-4.5	1.3	-15.0	-1.3

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	6.30	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	3.31	4.93	4.61	6.09	6.25	20.22	2.14	4.59
Latest per cent change	-9.6	-19.1	-1.7	-20.6	-1.5	-4.0	61.4	76.2	-7.7

4. Monthly deaths by jurisdiction — last 24 months

— raw
- - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

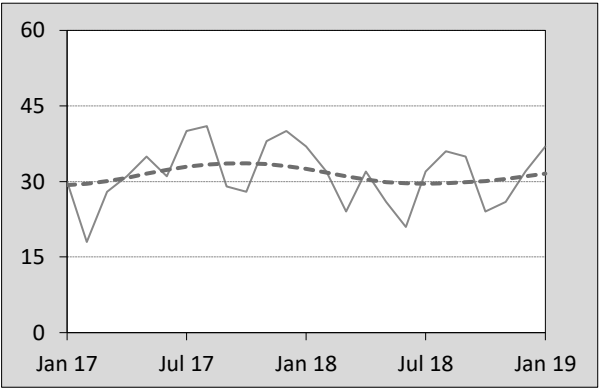


Figure 4.2 Vic

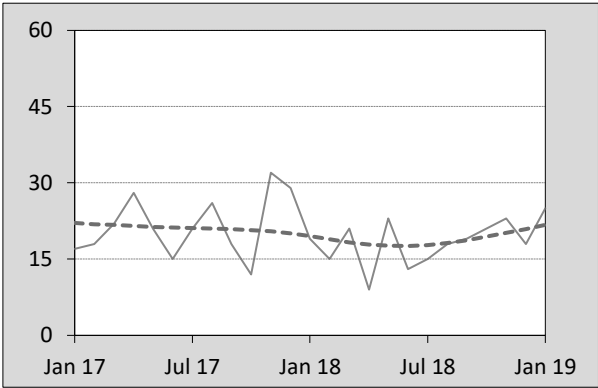


Figure 4.3 Qld

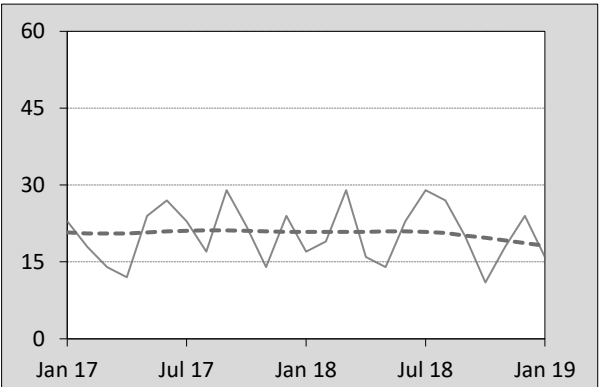


Figure 4.4 SA

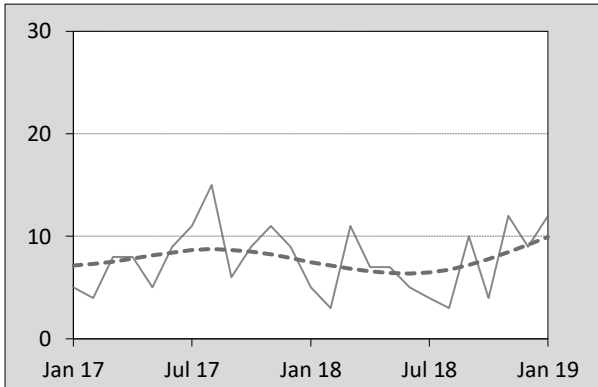


Figure 4.5 WA

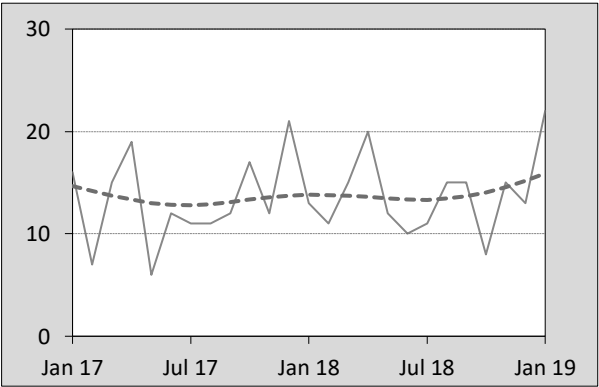


Figure 4.6 Tas

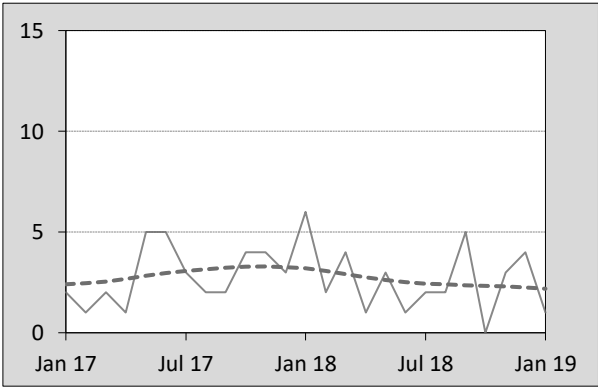


Figure 4.7 NT

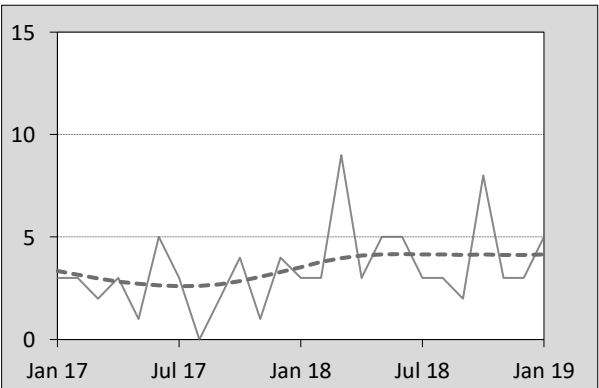
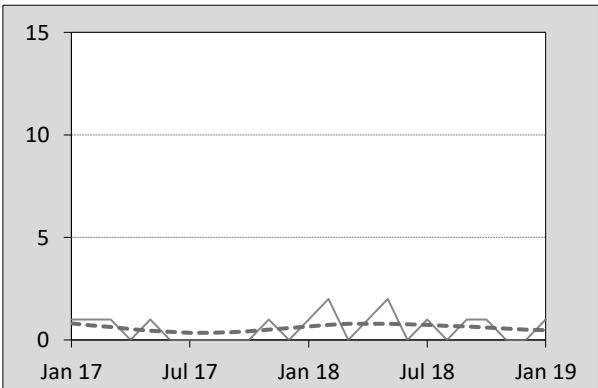


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended January	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2015	464	449	144	17	112	196	228	354	135	1,057
2016	492	445	166	16	110	220	247	350	149	1,103
2017	518	490	182	17	134	212	296	367	152	1,190
2018	499	471	163	32	154	208	239	351	140	1,133
2019	511	403	169	17	129	187	231	329	152	1,083
Latest per cent change	2.4	-14.4	3.7	-46.9	-16.2	-10.1	-3.3	-6.3	8.6	-4.4
Average trend change per year (per cent)	2.1	-1.6	3.1	7.2	6.4	-1.5	-0.1	-1.4	1.8	0.8

Table 5.2 By Day of week and Time of day

12 months ended January	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2015	661	396	664	393
2016	680	423	681	422
2017	715	475	710	480
2018	714	419	727	406
2019	651	432	658	425
Latest per cent change	-8.8	3.1	-9.5	4.7
Average trend change per year (per cent)	0.2	1.7	0.5	1.2

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.

6. Supplementary data — Christmas 2018

This month's supplementary section presents an analysis of a 12-day Christmas period. There is no uniformly defined 'Christmas 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.

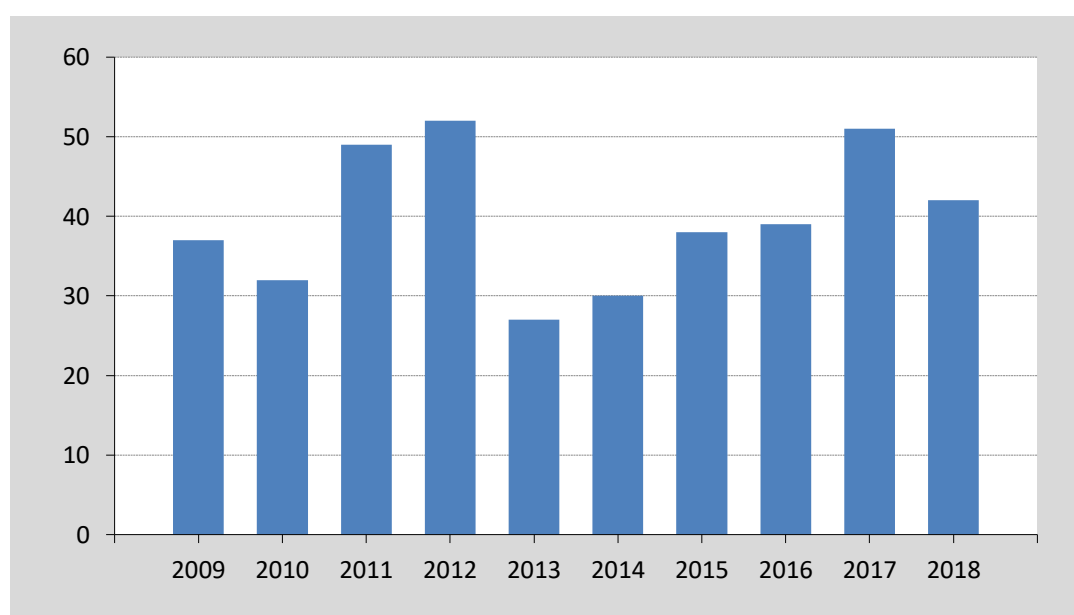
The following analyses are based on a fixed 12-day period starting on 23rd December each year, which is referred to here as the 'Christmas period'.

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

Table 6.1 Fatalities during Christmas 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	12	9	9	2	4	1	0	0	37
2010	8	12	7	1	1	0	3	0	32
2011	18	8	10	3	8	1	1	0	49
2012	16	10	6	7	8	3	2	0	52
2013	8	4	4	1	6	2	1	1	27
2014	7	5	4	9	3	2	0	0	30
2015	12	8	7	2	2	4	1	2	38
2016	12	8	6	4	8	0	1	0	39
2017	21	11	10	3	5	0	0	1	51
2018	9	5	13	6	3	5	1	0	42

Figure 6.1 Fatalities during Christmas period — Australia



6. Supplementary data — Christmas 2018 (continued)

Figure 6.2 Fatalities during Christmas period — by jurisdiction

