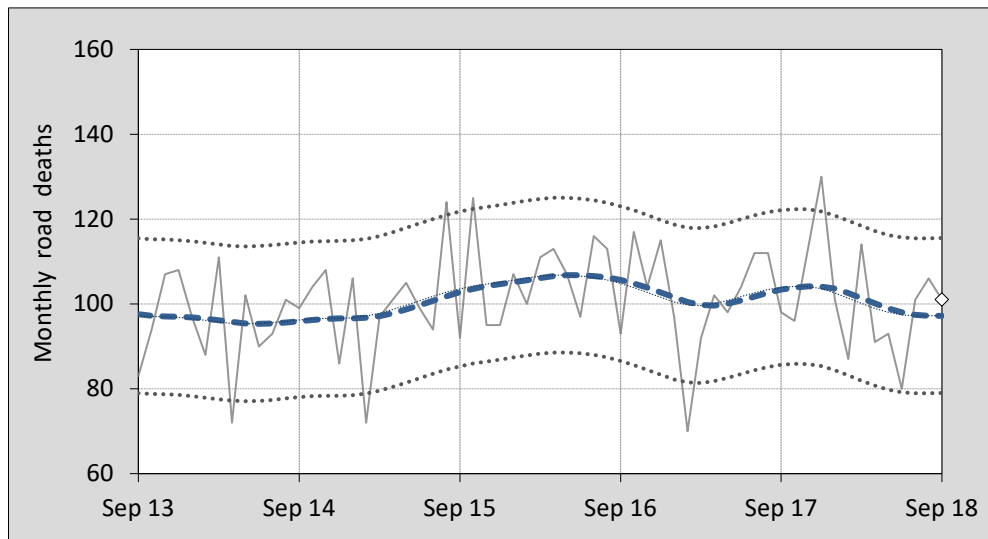




This month's key figures

- There was a total of 101 road deaths during the month of September 2018. The current figure is 8.6 per cent higher than the average for September over the previous five years.
- During the 12 months ended September 2018, there were 1,213 road deaths. This is a decrease of 0.7 per cent from the 12-month period ending September 2017.
- Presently, the rate of annual deaths per 100,000 population stands at 4.9. This is 2.2 per cent decrease compared to the rate for the 12-month period ending September 2017.

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 Transport, Northern Territory
- 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
September 2017	29	18	29	6	12	2	2	0	98
September 2018	34	18	18	8	15	5	2	1	101
Per cent change	17.2	0.0	-37.9	33.3	25.0	150.0	-	-	3.1

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2017 - September 2017	283	186	187	71	109	23	22	4	885
January 2018 - September 2018	282	153	194	53	122	26	36	8	874
Per cent change	-0.4	-17.7	3.7	-25.4	11.9	13.0	63.6	100.0	-1.2

Table I.3 Year ending September

12 months ended September	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	333	256	226	92	168	39	39	9	1,162
2015	331	249	233	107	175	35	46	12	1,188
2016	388	281	244	92	176	37	41	13	1,272
2017	367	258	257	97	166	31	38	7	1,221
2018	388	226	254	82	172	37	45	9	1,213
Latest per cent change	5.7	-12.4	-1.2	-15.5	3.6	19.4	18.4	28.6	-0.7
Average trend change per year (per cent)	4.2	-2.1	3.4	-3.2	-0.1	-2.2	1.0	-5.2	1.1

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

Table 2.1 By road user

12 months ended September	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^b cyclist	Total ^c
2014	528	229	157	194	53	1,162
2015	537	249	161	206	30	1,188
2016	619	210	174	232	35	1,272
2017	569	225	159	228	32	1,221
2018	570	217	181	198	40	1,213
Latest per cent change	0.2	-3.6	13.8	-13.2	25.0	-0.7
Average trend change per year (per cent)	2.1	-2.1	2.8	1.4	-4.9	1.1

Table 2.2 By age-group^a (years)

12 months ended September	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^c
2014	61	220	230	384	123	142	1,162
2015	76	242	267	351	106	146	1,188
2016	47	244	284	417	115	165	1,272
2017	63	249	260	369	105	174	1,221
2018	47	234	253	405	128	141	1,213
Latest per cent change	-25.4	-6.0	-2.7	9.8	21.9	-19.0	-0.7
Average trend change per year (per cent)	-6.8	1.5	1.7	1.6	0.7	1.6	1.1

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

Table 2.3 By gender

12 months ended September	Males	Females	Total ^d
2014	843	318	1,162
2015	852	336	1,188
2016	923	349	1,272
2017	892	328	1,221
2018	914	298	1,213
Latest per cent change	2.5	-9.1	-0.7
Average trend change per year (per cent)	2.1	-1.5	1.1

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 September

12 months ended September	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2014	4.45	4.36	4.80	5.46	6.69	7.59	16.06	2.32	4.96
2015	4.36	4.15	4.89	6.30	6.90	6.80	18.93	3.04	5.00
2016	5.03	4.58	5.06	5.38	6.89	7.16	16.76	3.24	5.28
2017	4.68	4.10	5.24	5.63	6.46	5.95	15.42	1.70	4.98
2018	4.88	3.51	5.09	4.73	6.64	7.03	18.24	2.15	4.87
Latest per cent change	4.2	-14.3	-2.8	-16.0	2.8	18.2	18.3	26.0	-2.2
Average trend change per year (per cent)	2.6	-4.3	1.9	-3.9	-0.8	-2.9	0.5	-7.1	-0.4

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4.50	4.21	5.82	5.86	6.51	7.03	15.31	1.83	5.13
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
Latest per cent change	0.6	-12.8	-3.3	15.5	-18.2	-8.9	-31.7	-55.5	-6.9

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

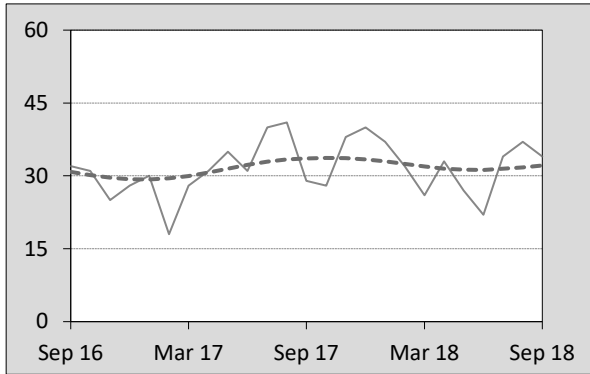


Figure 4.2 Vic

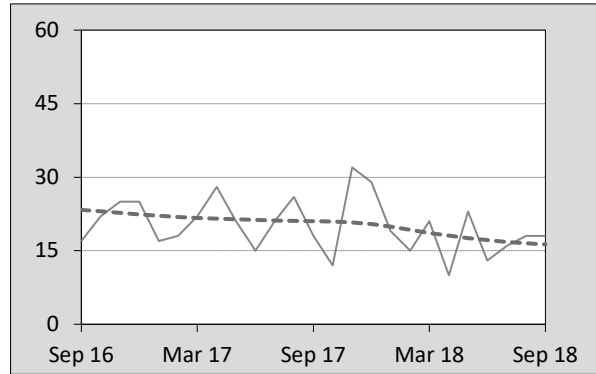


Figure 4.3 Qld

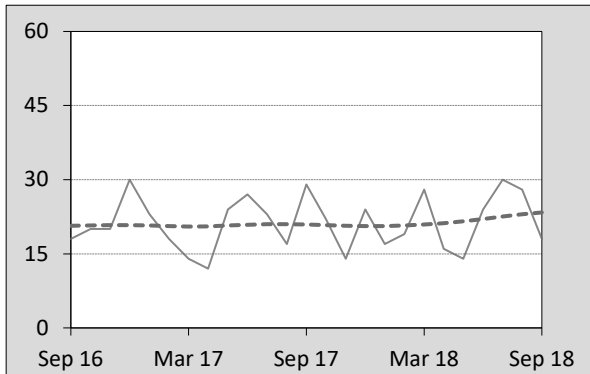


Figure 4.4 SA

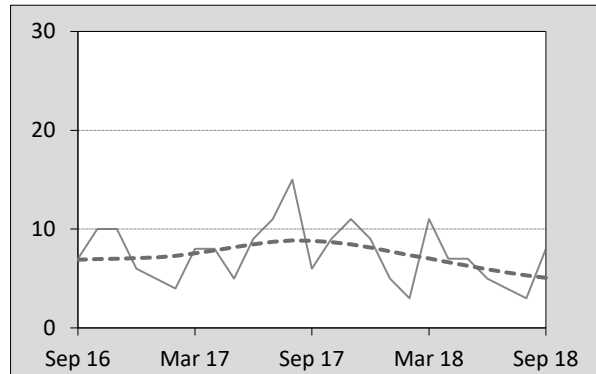


Figure 4.5 WA

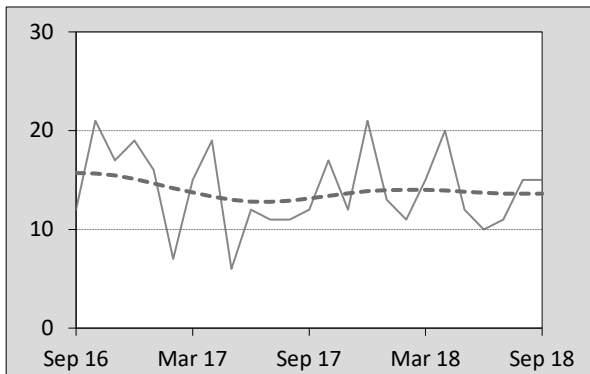


Figure 4.6 Tas

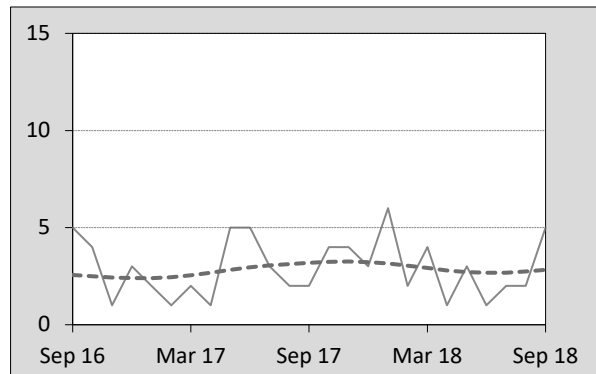


Figure 4.7 NT

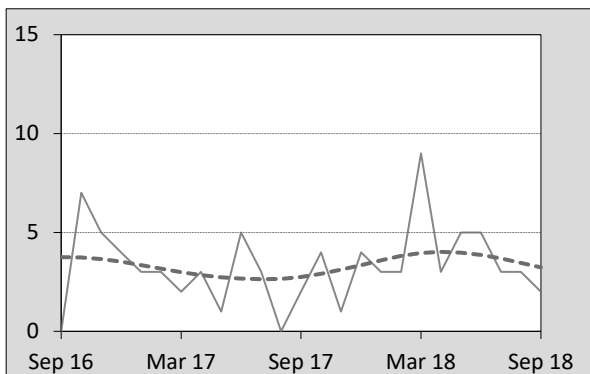
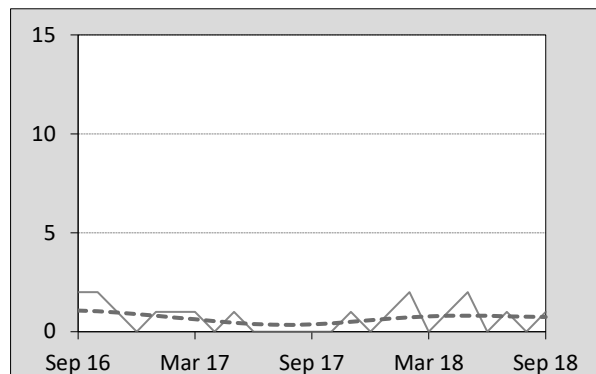


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended September	Crash type ^a			Posted speed limit						Total ^b
	Single	Multiple	Pedestrian	40	50	60	70 to 90	100	≥ 110	
2014	477	433	155	15	115	189	241	365	123	1,065
2015	486	441	159	13	124	206	236	353	141	1,086
2016	521	482	174	14	124	222	283	368	155	1,177
2017	499	472	158	22	136	213	247	344	153	1,129
2018	498	448	180	20	148	194	243	338	141	1,126
Latest per cent change	-0.2	-5.1	13.9	-9.1	8.8	-8.9	-1.6	-1.7	-7.8	-0.3
Average trend change per year (per cent)	1.1	1.4	3.0	11.6	6.2	0.9	0.6	-1.8	3.6	1.5

Table 5.2 By Day of week and Time of day

12 months ended September	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2014	662	403	678	387
2015	657	429	664	422
2016	726	451	713	464
2017	706	423	726	403
2018	683	443	689	437
Latest per cent change	-3.3	4.7	-5.1	8.4
Average trend change per year (per cent)	1.4	1.8	1.2	2.0

- 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 — Remoteness Areas

This month's supplementary section presents an analysis of fatal crashes by ABS Remoteness Area.

Table 6.1 Proportion of deaths by Remoteness Area
—within jurisdiction and time period

NSW	2015	2016	2017	2018 YTD
<i>Major Cities</i>	37%	39%	35%	38%
<i>Regional</i>	60%	59%	63%	59%
<i>Remote</i>	2%	2%	2%	3%
<i>Total</i>	100%	100%	100%	100%

Vic	2015	2016	2017	2018 YTD
<i>Major Cities</i>	43%	48%	39%	44%
<i>Regional</i>	57%	52%	60%	56%
<i>Remote</i>	0%	0%	0%	0%
<i>Total</i>	100%	100%	100%	100%

Qld	2015	2016	2017	2018 YTD
<i>Major Cities</i>	-	-	-	35%
<i>Regional</i>	-	-	-	53%
<i>Remote</i>	-	-	-	12%
<i>Total</i>				100%

SA	2015	2016	2017	2018 YTD
<i>Major Cities</i>	34%	37%	46%	-
<i>Regional</i>	53%	50%	47%	-
<i>Remote</i>	13%	13%	6%	-
<i>Total</i>	100%	100%	100%	

WA	2015	2016	2017	2018 YTD
<i>Major Cities</i>	40%	32%	39%	-
<i>Regional</i>	40%	44%	47%	-
<i>Remote</i>	21%	23%	15%	-
<i>Total</i>	100%	100%	100%	

Tas	2015	2016	2017	2018 YTD
<i>Major Cities</i>	0%	0%	0%	0%
<i>Regional</i>	90%	97%	94%	96%
<i>Remote</i>	10%	3%	6%	4%
<i>Total</i>	100%	100%	100%	100%

NT	2015	2016	2017	2018 YTD
<i>Major Cities</i>	0%	0%	0%	0%
<i>Regional</i>	43%	33%	52%	29%
<i>Remote</i>	57%	68%	48%	71%
<i>Total</i>	100%	100%	100%	100%

ACT	2015	2016	2017	2018 YTD
<i>Major Cities</i>	93%	55%	50%	100%
<i>Regional</i>	7%	45%	50%	0%
<i>Remote</i>	0%	0%	0%	0%
<i>Total</i>	100%	100%	100%	100%

Note:

Regional' comprises 'Inner Regional' and 'Outer Regional'

Remote' comprises 'Remote' and 'Very Remote'.