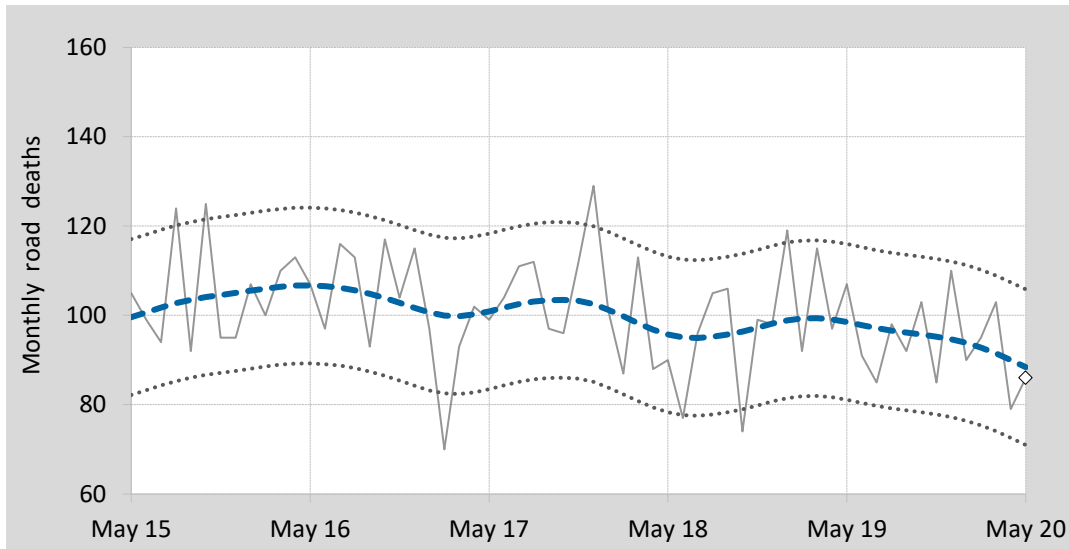




This month's key figures

- There was a total of 86 road deaths during the month of May 2020. The current figure is 15.4 per cent lower than the average for May over the previous five years.
- Comparing the two months April and May in 2020 with the previous five years, deaths in ages between 26 and 64 years increased by 11%. In the younger ages (0-25) deaths decreased by 47% and in the 65+ age groups, deaths decreased by 56%.
- The same comparison of deaths by road user type shows the greatest reduction occurred in passenger deaths (-38%). Driver deaths (-21%) also decreased as did pedestrian deaths (21%) and deaths of motorcyclists (5%). In contrast, deaths of pedal cyclists increased by 162%.

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
May 2019	21	33	22	12	14	2	3	0	107
May 2020	20	15	23	10	15	2	1	0	86
Per cent change	-4.8	-54.5	4.5	-16.7	7.1	0.0	-66.7	0.0	-19.6

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2019 - May 2019	155	135	84	53	76	13	13	1	530
January 2020 - May 2020	129	101	91	47	58	17	8	2	453
Per cent change	-16.8	-25.2	8.3	-11.3	-23.7	30.8	-38.5	100.0	-14.5

Table I.3 Year ending May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	378	264	243	101	169	41	51	14	1,261
2017	358	275	244	80	179	29	40	11	1,216
2018	396	241	250	103	166	35	42	7	1,240
2019	353	260	235	100	163	30	40	4	1,185
2020	331	236	226	108	145	33	31	7	1,117
Latest per cent change	-6.2	-9.2	-3.8	8.0	-11.0	10.0	-22.5	75.0	-5.7
Average trend change per year (per cent)	-2.8	-2.8	-1.8	3.6	-3.9	-3.9	-9.5	-21.3	-2.6

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

Table 2.1 By road user

12 months ended May	Driver	Passenger	Pedestrian	Motorcyclist ^b	Pedal ^a cyclist	Total ^b
2016	594	235	166	229	35	1,261
2017	579	206	165	233	27	1,216
2018	577	229	183	201	41	1,240
2019	543	223	175	205	34	1,185
2020	546	179	151	190	49	1,117
Latest per cent change	0.6	-19.7	-13.7	-7.3	44.1	-5.7
Average trend change per year (per cent)	-2.3	-4.5	-1.3	-4.9	9.5	-2.6

Table 2.2 By age-group (years)

12 months ended May	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2016	58	226	280	404	119	174	1,261
2017	69	256	262	383	98	148	1,216
2018	39	244	247	404	130	175	1,240
2019	53	226	263	374	114	152	1,185
2020	43	222	274	347	87	139	1,117
Latest per cent change	-18.9	-1.8	4.2	-7.2	-23.7	-8.6	-5.7
Average trend change per year (per cent)	-8.3	-1.6	-0.4	-3.2	-4.6	-4.1	-2.6

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

Table 2.3 By gender

12 months ended May	Males	Females	Total ^c
2016	920	341	1,261
2017	899	316	1,216
2018	908	332	1,240
2019	889	295	1,185
2020	848	265	1,117
<i>Latest per cent change</i>	-4.6	-10.2	-5.7
<i>Average trend change per year (per cent)</i>	-1.7	-5.6	-2.6

a Includes pillion passengers.

b Includes deaths to persons with either age or road user type not recorded.

c Includes deaths of persons where gender is not recorded or unspecified.

3. Annual deaths per 100,000 population

Table 3.1 Year ended May

12 months ended May	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	4.93	4.34	5.06	5.92	6.63	7.94	20.86	3.51	5.26
2017	4.59	4.41	5.00	4.66	6.98	5.58	16.19	2.70	4.99
2018	5.00	3.78	5.04	5.96	6.43	6.67	16.96	1.68	5.01
2019	4.39	3.98	4.66	5.73	6.25	5.65	16.20	0.95	4.71
2020	4.07	3.55	4.41	6.14	5.50	6.15	12.64	1.63	4.38
<i>Latest per cent change</i>	-7.3	-11.0	-5.4	7.1	-12.1	9.0	-22.0	72.5	-7.1
<i>Average trend change per year (per cent)</i>	-4.2	-4.9	-3.4	2.8	-4.7	-4.9	-9.5	-22.8	-4.2

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	6.13	12.52	1.21	4.97
2018	4.35	3.30	4.89	4.61	6.09	6.06	20.24	2.14	4.54
2019	4.41	4.09	4.30	6.51	6.22	5.43	14.64	1.41	4.71
<i>Latest per cent change</i>	1.5	24.2	-12.1	41.2	2.1	-10.4	-27.7	-34.3	3.7

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
(Whittaker-Henderson)

Figure 4.1 NSW

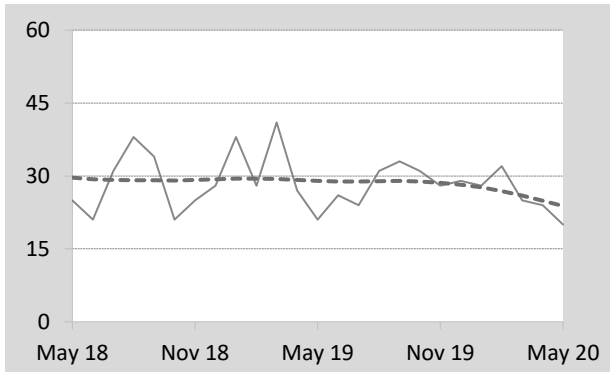


Figure 4.2 Vic

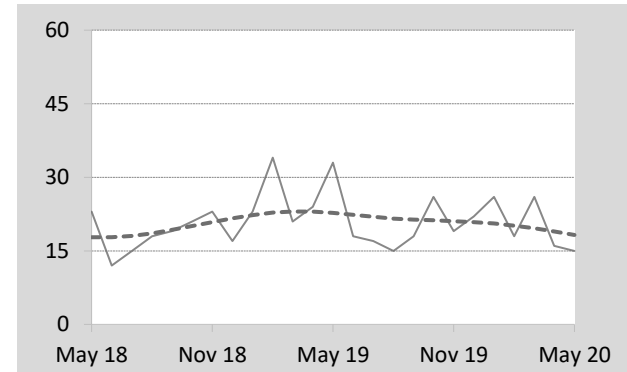


Figure 4.3 Qld

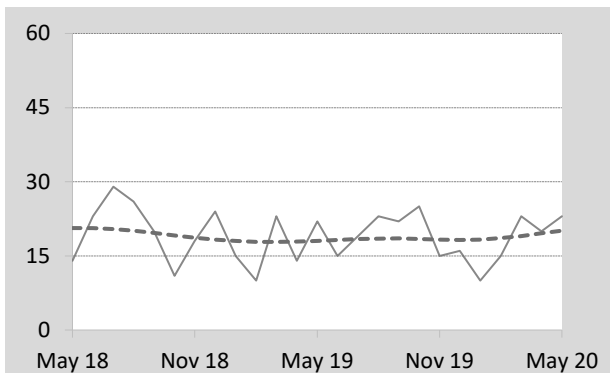


Figure 4.4 SA

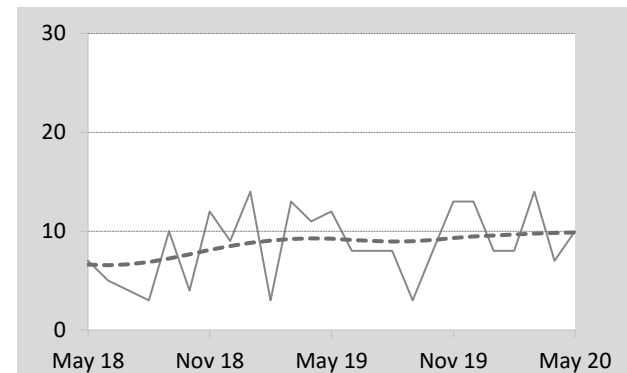


Figure 4.5 WA

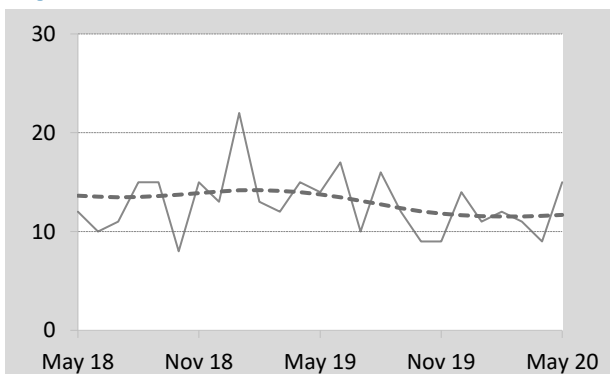


Figure 4.6 Tas

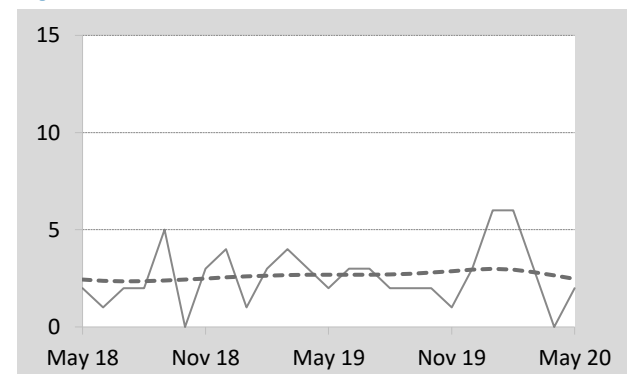


Figure 4.7 NT

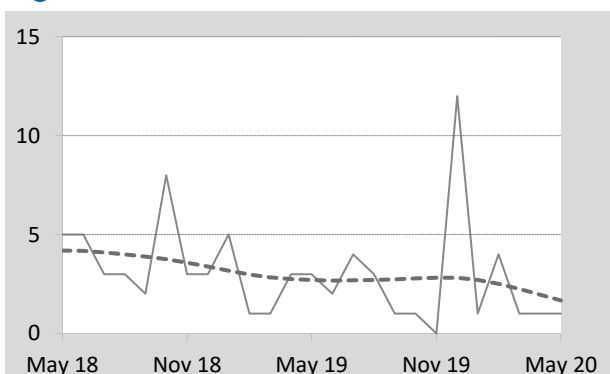
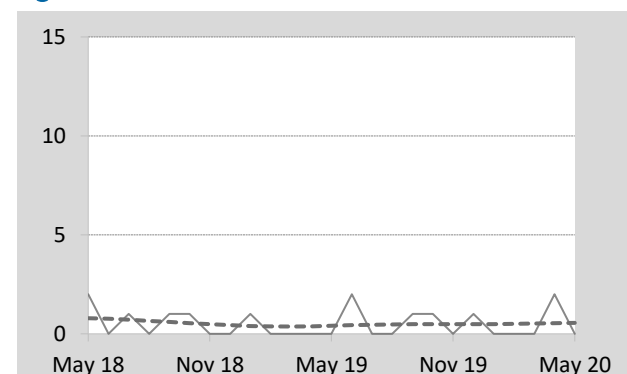


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By Crash type and Posted speed limit

12 months ended May	Crash type ^a		Posted speed limit						Total ^b
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2016	642	500	14	131	221	264	357	159	1,156
2017	628	496	22	121	199	279	367	139	1,137
2018	633	493	35	159	219	240	332	150	1,142
2019	656	424	14	124	194	232	356	165	1,095
2020	588	430	20	137	162	227	307	135	1,027
Latest per cent change	-10.4	1.4	42.9	10.5	-16.5	-2.2	-13.8	-18.2	-6.2
Average trend change per year (per cent)	-1.3	-4.5	2.6	1.1	-6.3	-4.7	-3.3	-1.5	-2.7

Table 5.2 By Day of week and Time of day

12 months ended May	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2016	735	421	725	431
2017	696	441	684	453
2018	694	448	714	428
2019	672	423	676	419
2020	642	385	627	400
Latest per cent change	-4.5	-9.0	-7.2	-4.5
Average trend change per year (per cent)	-3.0	-2.2	-3.0	-2.2

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 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.