



Australian Government

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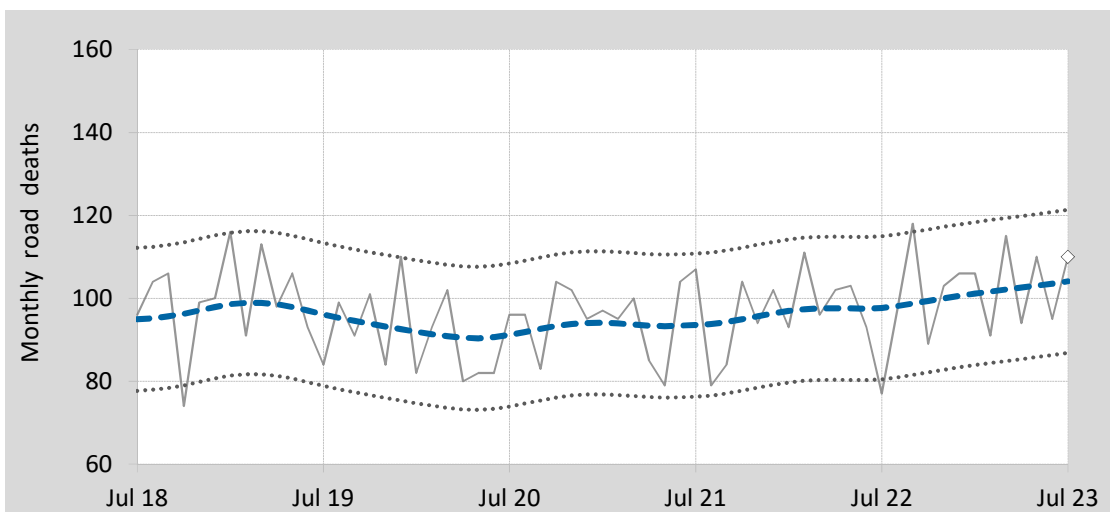
Road deaths Australia

July 2023

This month's key figures

- There was a total of 110 road deaths during the month of July 2023. The current figure is 19.6 per cent higher than the average for July over the previous five years.
- During the 12 months ended July 2023, there were 1,234 road deaths. This is an increase of 8.4 per cent from the 12-month period ending July 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 6.3 per cent increase compared to the rate for the 12-month period ending July 2022.

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.

Monthly fatalities over the last 5 years

	Jan	Feb	Mar	Apr	July	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2018	101	86	113	88	90	78	96	104	106	74	99	100	1,135
2019	116	91	113	98	106	93	84	99	91	101	84	110	1,186
2020	82	93	102	80	82	82	96	96	83	104	102	95	1,097
2021	97	95	100	85	79	104	107	79	84	104	94	102	1,130
2022	93	111	96	102	103	93	77	97	118	89	103	106	1,188
2023	106	91	115	94	110	95	110						721

I. Monthly deaths by jurisdiction – 2 years

— raw
- - - smoothed
(Whittaker-Henderson)

Figure I.1 NSW

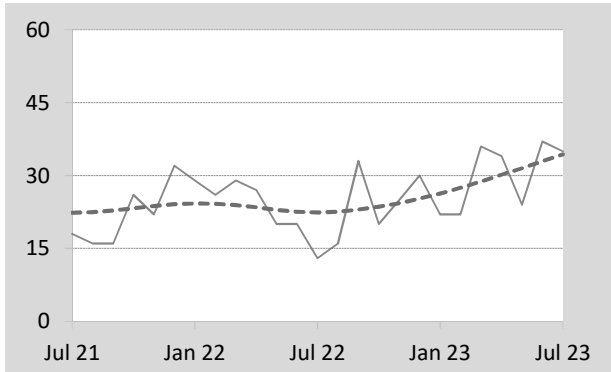


Figure I.2 Vic

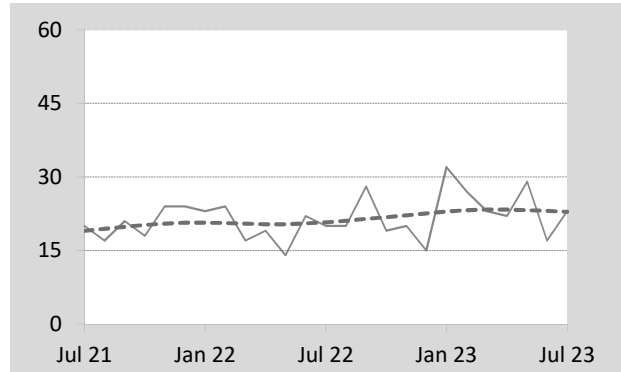


Figure I.3 Qld

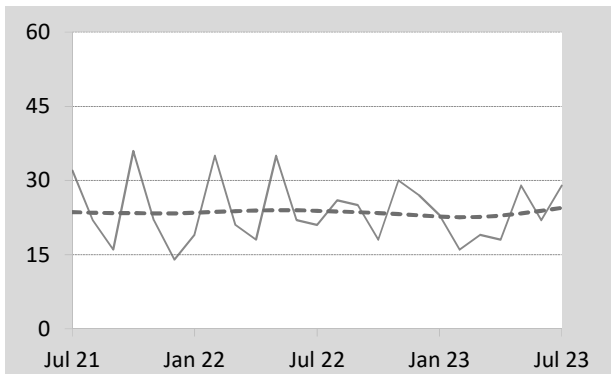


Figure I.4 SA

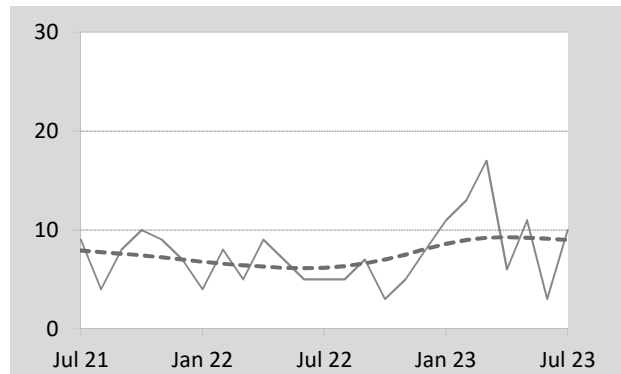


Figure I.5 WA

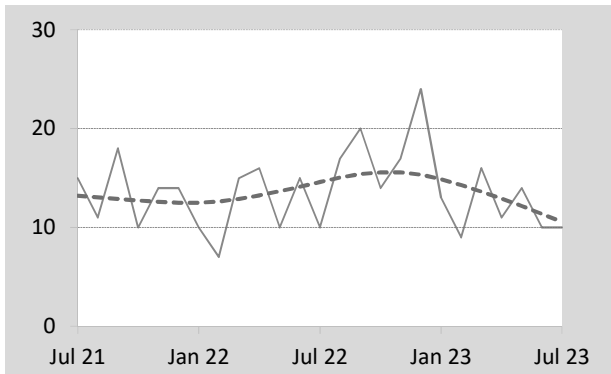


Figure I.6 Tas

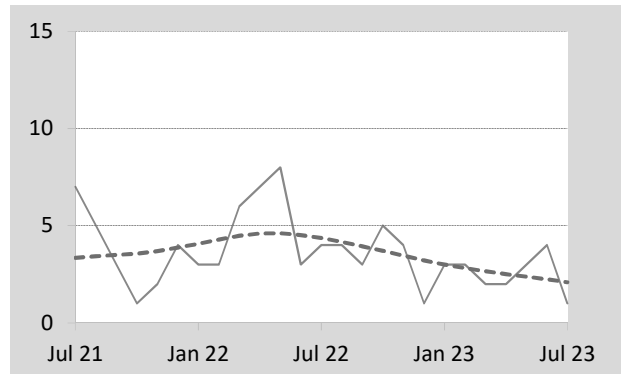


Figure I.7 NT

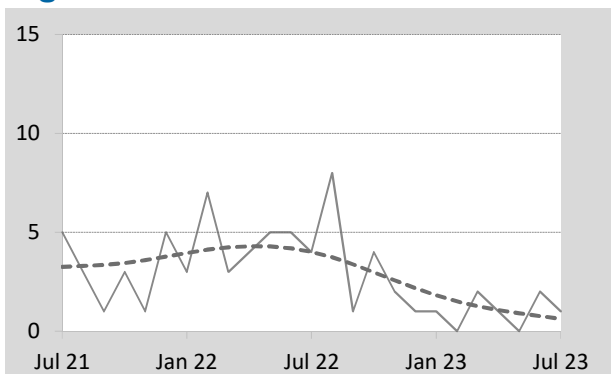
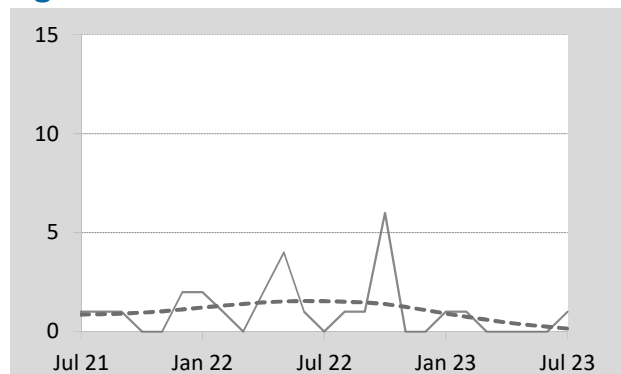


Figure I.8 ACT



2. Deaths by jurisdiction – Current month, Calendar year and last 12 months

Table 2.1 Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
July 2022	13	20	21	5	10	4	4	0	77
July 2023	35	23	29	10	10	1	1	1	110
Per cent change	169%	15%	38%	100%	0%	-75%	-75%	-	43%

Table 2.2 Calendar year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2022 - July 2022	164	139	171	43	83	34	31	10	675
January 2023 - July 2023	210	173	156	71	83	18	7	3	721
Per cent change	28%	24%	-9%	65%	0%	-47%	-77%	-70%	7%

Table 2.3 12 months ended July

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	350	265	217	107	169	33	38	5	1,184
2020	315	229	243	101	145	31	32	6	1,102
2021	281	208	303	98	170	38	38	11	1,147
2022	276	243	281	81	150	49	44	14	1,138
2023	334	275	282	99	175	35	23	11	1,234
Latest per cent change	21%	13%	0%	22%	17%	-29%	-48%	-21%	8%
Average trend change per year	-2%	1%	7%	-4%	1%	6%	-7%	27%	1%

3. Annual deaths per 100,000 population

Table 3.1 Year ended June

12 months ended July	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.4	4.1	4.3	6.1	6.4	6.0	15.4	1.1	4.7
2020	3.9	3.5	4.7	5.7	5.4	5.5	12.9	1.3	4.3
2021	3.5	3.2	5.8	5.5	6.2	6.7	15.3	2.4	4.5
2022	3.4	3.7	5.3	4.5	5.4	8.6	17.7	3.1	4.4
2023	4.0	4.1	5.2	5.4	6.2	6.1	9.2	2.4	4.7
Latest per cent change	19%	11%	-2%	20%	14%	-29%	-48%	-23%	6%
Average trend change per year	-3%	1%	5%	-5%	-1%	5%	-7%	26%	0%

Table 3.2 Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	4.4	3.3	4.9	4.6	6.1	5.9	20.1	2.1	4.5
2019	4.4	4.1	4.3	6.4	6.1	5.3	14.5	1.4	4.7
2020	3.5	3.2	5.4	5.2	5.7	6.7	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.3	14.0	2.4	4.4
2022	3.5	3.6	5.6	3.9	6.3	8.9	18.7	3.9	4.6
Latest per cent change	4%	3%	5%	-29%	4%	41%	33%	63%	4%

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

Table 4.1 By road user

12 months ended July	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	545	220	167	208	37	1,184
2020	532	188	143	191	46	1,102
2021	565	182	132	228	34	1,147
2022	545	183	143	222	37	1,138
2023	577	190	168	247	46	1,234
Latest per cent change	6%	4%	17%	11%	24%	8%
Average trend change per year	1%	-3%	0%	5%	2%	1%

Table 4.2 By age-group (years)

12 months ended July	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	17	38	226	258	370	106	167	1,184
2020	11	36	226	279	320	90	134	1,102
2021	22	40	214	284	363	95	128	1,147
2022	22	44	224	223	349	124	146	1,138
2023	12	44	233	289	388	115	147	1,234
Latest per cent change	-45%	0%	4%	30%	11%	-7%	1%	8%
Average trend change per year	0%	5%	1%	0%	2%	5%	-2%	1%

Table 4.3 By gender

12 months ended July	Male	Female	Total ^c
2019	890	294	1,184
2020	820	278	1,102
2021	845	302	1,147
2022	864	272	1,138
2023	899	329	1,234
Latest per cent change	4%	21%	8%
Average trend change per year	1%	2%	1%

a Includes pillion passengers.

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

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

5. Fatal crashes: counts and characteristics

Table 5.1 By crash type

12 months ended July	Crash type ^a		
	Single	Multiple	Total ^b
2019	668	427	1,095
2020	597	408	1,005
2021	600	466	1,066
2022	651	408	1,059
2023	673	468	1,142
Latest per cent change	3%	15%	8%
Average trend change per year	1%	2%	1%

Table 5.2 By posted speed limit

12 months ended July	Posted speed limit (km/h)						Total ^b
	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	17	126	236	181	351	175	1,095
2020	23	129	223	178	322	126	1,005
2021	13	122	248	176	347	147	1,066
2022	21	119	265	174	346	123	1,059
2023	31	130	293	184	313	136	1,142
Latest per cent change	48%	9%	11%	6%	-10%	11%	8%
Average trend change per year	12%	0%	6%	0%	-2%	-5%	1%

Table 5.3 By day of week

12 months ended July	Day of week ^c		Total ^b
	Weekday	Weekend	
2019	653	442	1,095
2020	621	384	1,005
2021	619	447	1,066
2022	661	398	1,059
2023	702	440	1,142
Latest per cent change	6%	11%	8%
Average trend change per year	2%	0%	1%

Table 5.4 By time of day

12 months ended July	Time of day ^d		Total ^b
	Day	Night	
2019	581	514	1,095
2020	559	446	1,005
2021	646	420	1,066
2022	643	415	1,059
2023	684	458	1,142
Latest per cent change	6%	10%	8%
Average trend change per year	5%	-3%	1%

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash.

b Includes 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.

Fatality rates

Fatality rates per population are based on road deaths over the last 12-months, and the population at the midpoint of that period. Population estimates are sourced from ABS' *National, state and territory population* statistics. The midpoint population is interpolated if necessary.

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.

Data Sources

Data are obtained from

- Transport for NSW
- Department of Transport, Victoria
- Department of Transport and Main Roads, Queensland
- Department for Infrastructure and Transport, SA
- Western Australia Police
- Department of State Growth, Tasmania
- Department of Infrastructure, Planning and Logistics, NT
- Transport Canberra and City Services Directorate, ACT
- Australian Bureau of Statistics (3101.0)

Inquiries

For further information about data in this bulletin, contact:

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