



Australian Government

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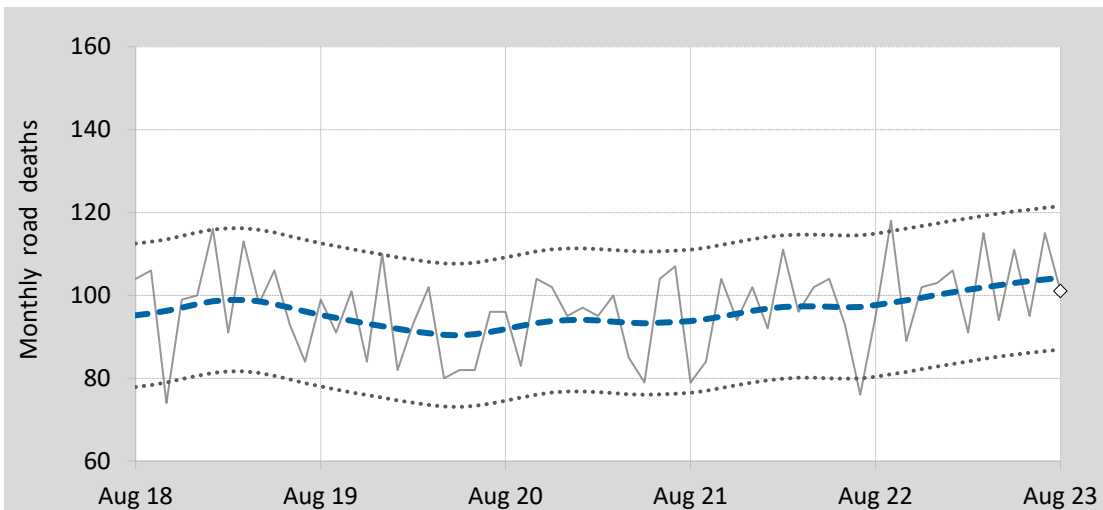
Road deaths Australia

August 2023

This month's key figures

- There was a total of 101 road deaths during the month of August 2023. The current figure is 6.8 per cent higher than the average for August over the previous five years.
- During the 12 months ended August 2023, there were 1,240 road deaths. This is an increase of 7.5 per cent from the 12-month period ending August 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.7. This is a 5.4 per cent increase compared to the rate for the 12-month period ending August 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	92	111	96	102	104	93	76	95	118	89	102	103	1,181
2023	106	91	115	94	111	95	115	101					828

I. Monthly deaths by jurisdiction — 2 years

— raw
- - - smoothed
(Whittaker-Henderson)

Figure I.1 NSW

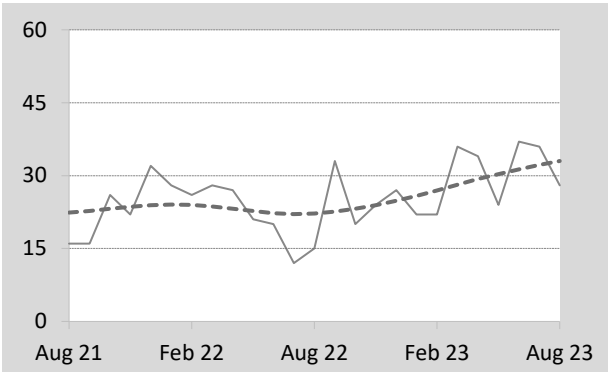


Figure I.2 Vic

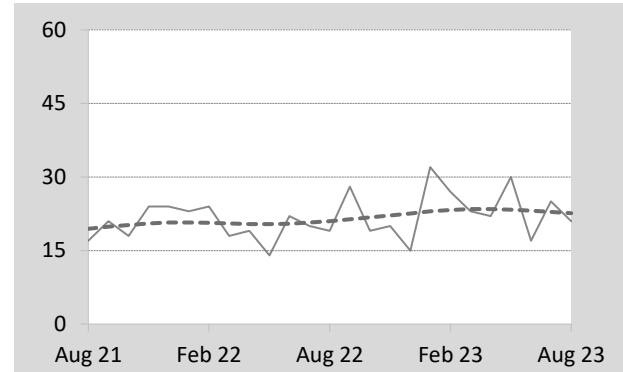


Figure I.3 Qld

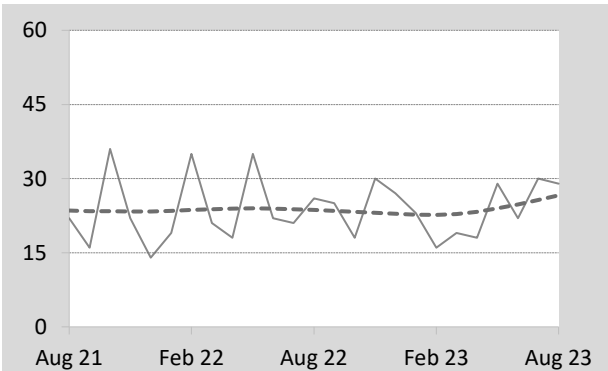


Figure I.4 SA

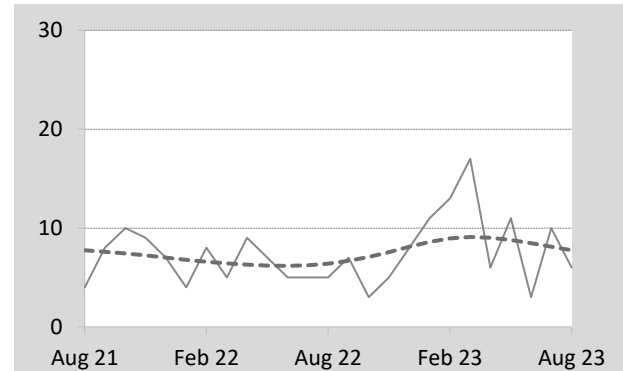


Figure I.5 WA

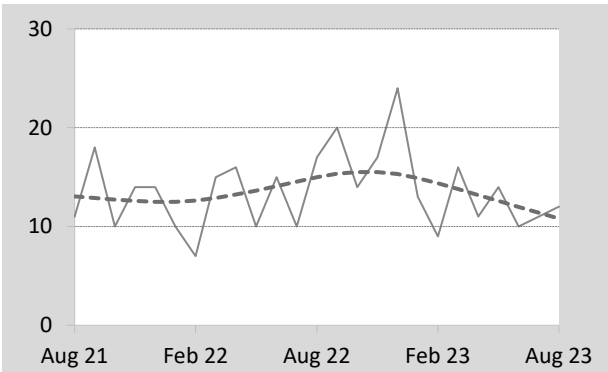


Figure I.6 Tas

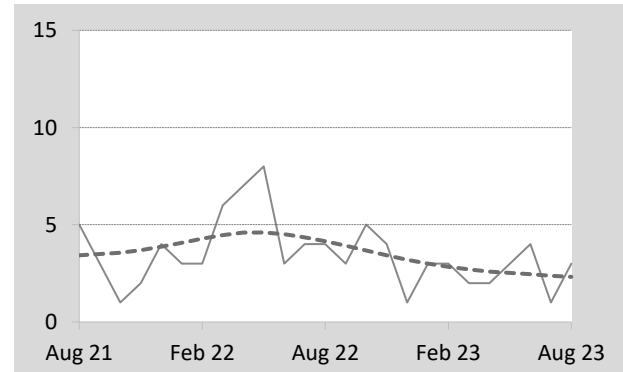


Figure I.7 NT

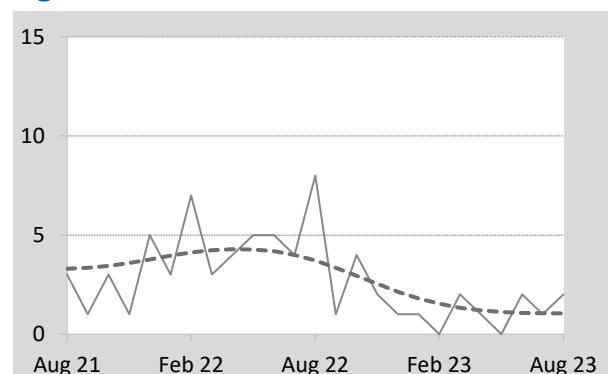
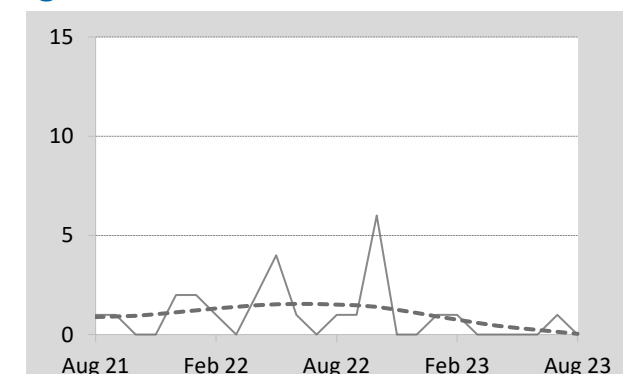


Figure I.8 ACT



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
August 2022	15	19	26	5	17	4	8	1	95
August 2023	28	21	29	6	12	3	2	0	101
Per cent change	87%	11%	12%	20%	-29%	-25%	-75%	-100%	6%

Table 2.2 Calendar year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2022 - August 2022	177	159	197	48	100	38	39	11	769
January 2023 - August 2023	239	197	186	77	96	21	9	3	828
Per cent change	35%	24%	-6%	60%	-4%	-45%	-77%	-73%	8%

Table 2.3 12 months ended August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	343	263	214	112	171	33	38	5	1,179
2020	310	227	247	98	142	35	34	6	1,099
2021	271	211	298	97	168	37	36	12	1,130
2022	273	246	285	82	156	48	49	14	1,153
2023	343	279	286	100	171	34	17	10	1,240
Latest per cent change	25.6%	13.4%	0.4%	22.0%	9.6%	-29.2%	-65.3%	-28.6%	7.5%
Average trend change per year	-1%	2%	7%	-4%	1%	4%	-12%	25%	1%

3. Annual deaths per 100,000 population

Table 3.1 12 months ended August

12 months ended August	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.3	4.0	4.2	6.4	6.5	6.1	15.5	1.2	4.7
2020	3.8	3.4	4.8	5.5	5.3	6.3	13.8	1.4	4.3
2021	3.3	3.2	5.7	5.4	6.1	6.6	14.5	2.7	4.4
2022	3.4	3.7	5.4	4.5	5.6	8.4	19.8	3.1	4.5
2023	4.2	4.1	5.3	5.4	6.0	5.9	6.8	2.2	4.7
Latest per cent change	23.3%	10.8%	-1.9%	20.0%	7.0%	-29.4%	-65.6%	-29.9%	5.4%
Average trend change per year	-2%	1%	6%	-5%	-1%	3%	-12%	23%	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	6.0	20.2	2.1	4.5
2019	4.4	4.1	4.3	6.5	6.1	5.3	14.6	1.4	4.7
2020	3.5	3.2	5.4	5.2	5.7	6.8	12.5	1.6	4.3
2021	3.4	3.5	5.3	5.5	6.0	6.3	14.1	2.4	4.4
2022	3.4	3.6	5.6	3.9	6.3	8.9	18.8	3.9	4.5
Latest per cent change	1%	3%	5%	-29%	4%	41%	33%	62%	3%

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

Table 4.1 By road user

12 months ended August	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	542	221	167	211	34	1,179
2020	529	192	142	186	48	1,099
2021	560	177	130	225	32	1,130
2022	555	182	140	232	35	1,153
2023	584	189	175	241	48	1,240
<i>Latest per cent change</i>	5%	4%	25%	4%	37%	8%
<i>Average trend change per year</i>	2%	-4%	1%	5%	4%	1%

Table 4.2 By age-group (years)

12 months ended August	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	18	34	229	250	368	103	175	1,179
2020	14	35	219	284	322	86	133	1,099
2021	19	42	214	272	355	98	129	1,130
2022	22	41	228	234	355	127	140	1,153
2023	11	46	233	289	381	121	153	1,240
<i>Latest per cent change</i>	-50%	12%	2%	24%	7%	-5%	9%	8%
<i>Average trend change per year</i>	-5%	8%	1%	1%	2%	7%	-2%	1%

Table 4.3 By gender

12 months ended August	Male	Female	Total ^c
2019	891	288	1,179
2020	807	288	1,099
2021	841	289	1,130
2022	869	282	1,153
2023	914	320	1,250
<i>Latest per cent change</i>	5%	13%	8%
<i>Average trend change per year</i>	1%	2%	2%

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 August	Crash type ^a		
	Single	Multiple	Total ^b
2019	682	414	1,096
2020	584	411	995
2021	587	464	1,051
2022	665	410	1,075
2023	704	446	1,151
Latest per cent change	5.9	8.8	7.1
Average trend change per year	2.0	1.5	1.8

Table 5.2 By posted speed limit

12 months ended August	Posted speed limit (km/h)						Total ^b
	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	19	129	233	189	335	183	1,096
2020	19	125	224	173	331	119	995
2021	14	124	237	167	347	148	1,051
2022	21	118	273	180	349	123	1,075
2023	31	141	296	188	309	138	1,151
Latest per cent change	47.6	19.5	8.4	4.4	-11.5	12.2	7.1
Average trend change per year	11.4	1.2	7.0	0.3	-1.1	-5.2	1.8

Table 5.3 By day of week

12 months ended August	Day of week ^c		Total ^b
	Weekday	Weekend	
2019	647	449	1,096
2020	615	380	995
2021	615	436	1,051
2022	667	408	1,075
2023	710	441	1,151
Latest per cent change	6.4	8.1	7.1
Average trend change per year	2.7	0.4	1.8

Table 5.4 By time of day

12 months ended August	Time of day ^d		Total ^b
	Day	Night	
2019	573	523	1,096
2020	566	429	995
2021	633	418	1,051
2022	649	425	1,075
2023	679	472	1,151
Latest per cent change	4.6	11.1	8.0
Average trend change per year	4.9	-2.1	1.9

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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Road deaths from recent months are preliminary and subject to revision.

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