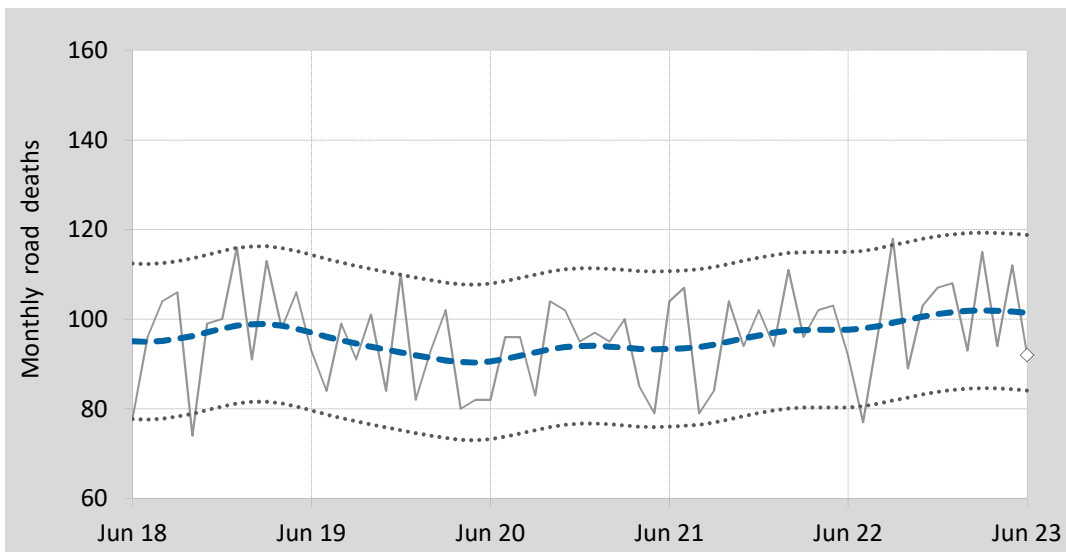




This month's key figures

- There was a total of 92 road deaths during the month of June 2023. The current figure is 2.4 per cent higher than the average for June over the previous five years.
- During the 12 months ended June 2023, there were 1,205 road deaths. This is an increase of 3.2 per cent from the 12-month period ending June 2022.
- Presently, the rate of annual deaths per 100,000 population stands at 4.6. This is a 1.2 per cent increase compared to the rate for the 12-month period ending June 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.

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:

Bureau of Infrastructure and Transport Research Economics (BITRE)
 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
June 2022	19	22	22	5	15	3	5	1	92
June 2023	37	18	19	3	10	3	2	0	92
Per cent change	94.7	-18.2	-13.6	-40.0	-33.3	0.0	-60.0	-100.0	0.0

Table I.2 Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2022 - June 2022	151	119	150	38	73	30	27	10	598
January 2023 - June 2023	179	153	124	61	73	16	6	2	614
Per cent change	18.5	28.6	-17.3	60.5	0.0	-46.7	-77.8	-80.0	2.7

Table I.3 Year ending June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	358	263	227	103	170	32	37	6	1,196
2020	314	231	237	99	141	31	32	5	1,090
2021	287	203	296	99	169	34	37	11	1,136
2022	281	243	292	85	155	52	45	15	1,168
2023	317	275	271	94	175	37	26	10	1,205
Latest per cent change	12.8	13.2	-7.2	10.6	12.9	-28.8	-42.2	-33.3	3.2
Average trend change per year (per cent)	-3.5	1.4	5.8	-3.3	1.5	8.4	-3.6	23.6	0.8

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

Table 2.1 By road user

12 months ended June	Driver	Passenger	Pedestrian	Motorcyclist ^a	Pedal cyclist ^a	Total ^b
2019	550	224	173	208	34	1,196
2020	514	187	147	193	48	1,090
2021	568	173	128	226	34	1,136
2022	555	199	146	223	36	1,168
2023	562	189	161	242	43	1,205
Latest per cent change	1.3	-5.0	10.3	8.5	19.4	3.2
Average trend change per year (per cent)	1.2	-2.7	-1.5	4.6	1.8	0.8

Table 2.2 By age-group (years)

12 months ended June	0 to 7	8 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total ^b
2019	18	39	227	259	373	115	162	1,196
2020	12	33	216	276	322	84	141	1,090
2021	21	41	218	281	350	100	124	1,136
2022	22	47	226	240	360	121	146	1,168
2023	12	42	232	275	382	110	146	1,205
Latest per cent change	-45.5	-10.6	2.7	14.6	6.1	-9.1	0.0	3.2
Average trend change per year (per cent)	-2.0	5.1	0.9	-0.2	1.6	2.8	-1.7	0.8

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

Table 2.3 By gender

12 months ended June	Males	Females	Total ^c
2019	898	297	1,196
2020	814	272	1,090
2021	840	296	1,136
2022	880	286	1,168
2023	872	326	1,205
Latest per cent change	-0.9	14.0	3.2
Average trend change per year (per cent)	0.2	2.4	0.8

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.

3. Annual deaths per 100,000 population

Table 3.1 Year ended June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2019	4.5	4.1	4.5	5.9	6.4	5.9	15.0	1.4	4.8
2020	3.9	3.5	4.6	5.6	5.2	5.5	12.9	1.1	4.3
2021	3.6	3.1	5.7	5.5	6.2	6.0	14.8	2.4	4.4
2022	3.5	3.7	5.5	4.7	5.6	9.1	18.0	3.3	4.5
2023	3.8	4.1	5.0	5.1	6.2	6.5	10.4	2.2	4.6
Latest per cent change	10.9	10.8	-9.1	8.9	10.4	-29.1	-42.4	-34.4	1.2
Average trend change per year (per cent)	-4.1	0.7	4.2	-4.3	-0.1	7.2	-3.9	22.0	-0.1

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	3.2	5.0	-29.0	4.0	40.8	33.5	62.5	4.0

4. Monthly deaths by jurisdiction — last 24 months

— raw
 - - - smoothed
 (Whittaker-Henderson)

Figure 4.1 NSW

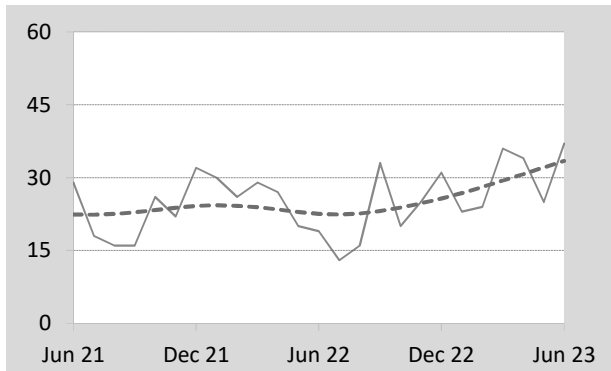


Figure 4.2 Vic

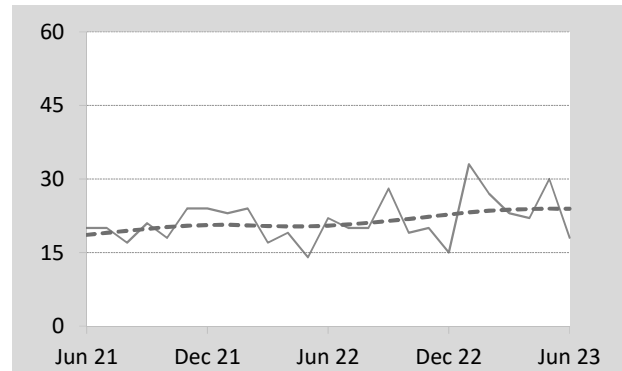


Figure 4.3 Qld

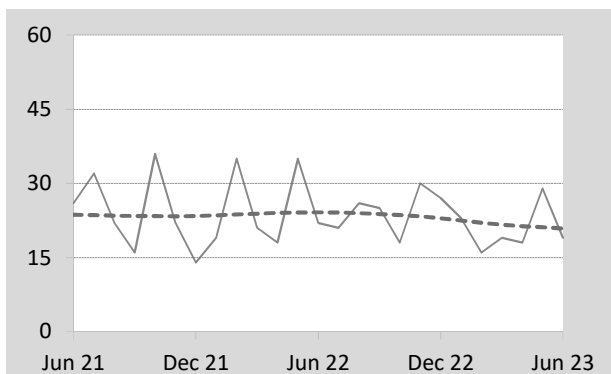


Figure 4.4 SA

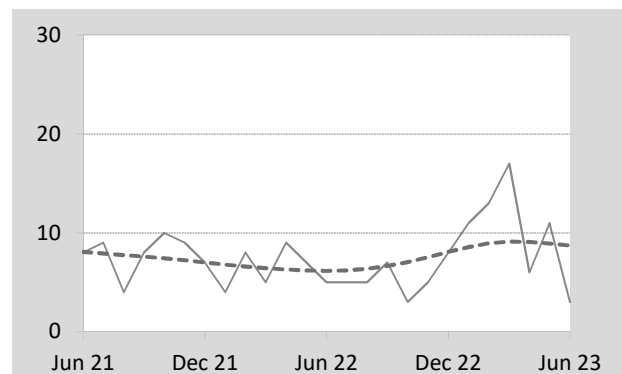


Figure 4.5 WA

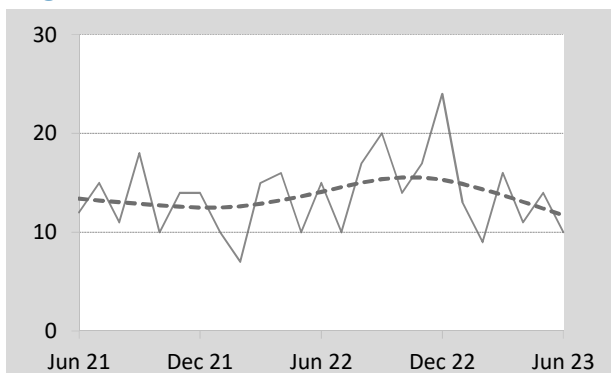


Figure 4.6 Tas

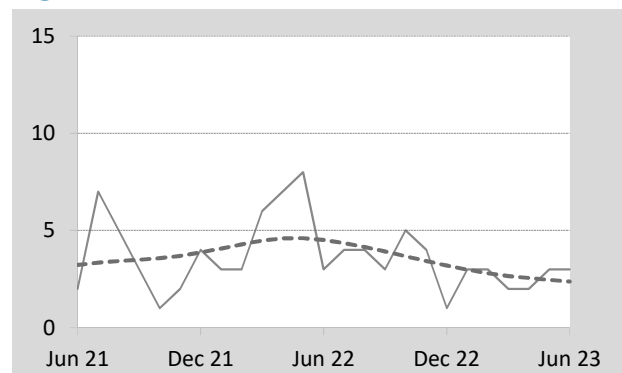


Figure 4.7 NT

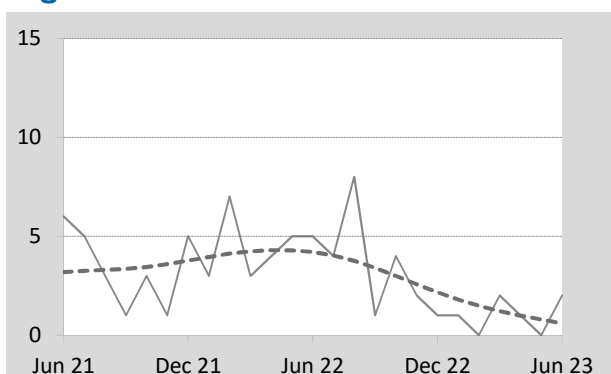
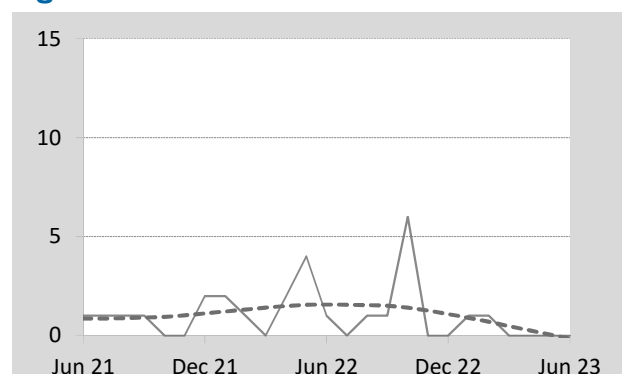


Figure 4.8 ACT



5. Fatal crashes: counts and characteristics

Table 5.1 By crash type and posted speed limit

12 months ended June	Crash type ^a		Posted speed limit (km/h)						Total ^b
	Single	Multiple	≤ 40	50	60 to 70	80 to 90	100	≥ 110	
2019	675	428	18	125	240	180	357	173	1,103
2020	582	413	20	136	223	182	308	123	995
2021	602	458	14	119	236	182	353	144	1,060
2022	663	416	22	123	272	169	352	128	1,079
2023	661	451	31	126	287	183	302	135	1,114
Latest per cent change	-0.3	8.4	40.9	2.4	5.5	8.3	-14.2	5.5	3.2
Average trend change per year (per cent)	0.9	1.1	12.6	-0.8	5.7	-0.4	-2.0	-4.5	1.0

Table 5.2 By day of week and time of day

12 months ended June	Day of week ^c		Time of day ^d	
	Weekday	Weekend	Day	Night
2019	665	438	594	509
2020	612	383	545	450
2021	618	442	645	415
2022	667	412	650	428
2023	690	424	665	449
Latest per cent change	3.4	2.9	2.3	4.9
Average trend change per year (per cent)	1.6	0.1	4.1	-3.0

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

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.

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.