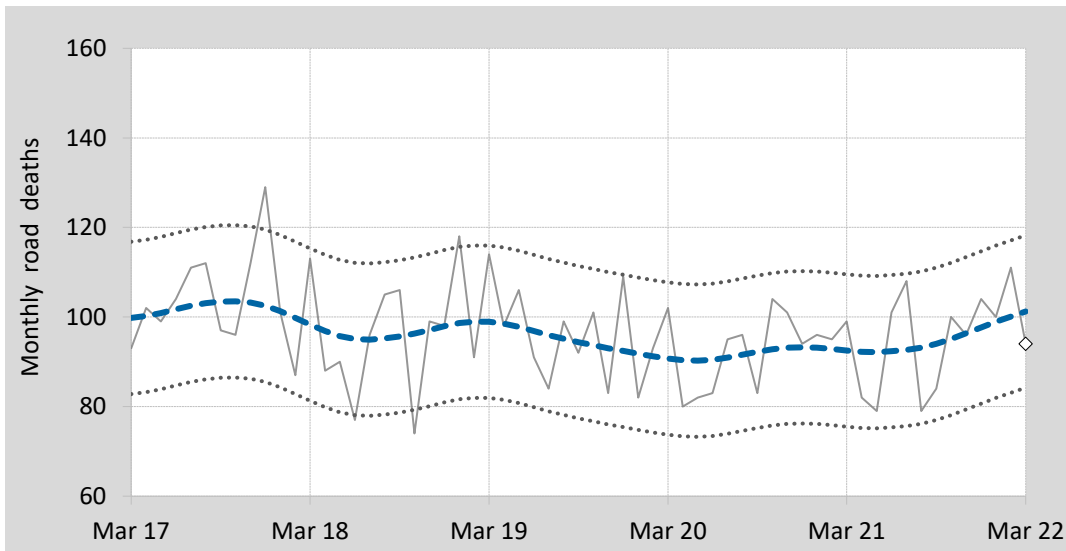




### This month's key figures

- There was a total of 94 road deaths during the month of March 2022. The current figure is 9.8 per cent lower than the average for March over the previous five years.
- During the 12 months ended March 2022, there were 1,138 road deaths. This is an increase of 2.7 per cent from the 12-month period ending March 2021.
- Presently, the rate of annual deaths per 100,000 population stands at 4.4. This is a 2.4 per cent increase compared to the rate for the 12-month period ending March 2021.

### 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
- 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](http://www.bitre.gov.au)  
 Email : [roadsafety@infrastructure.gov.au](mailto: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
March 2021	19	24	28	14	11	0	2	1	99
March 2022	25	18	20	7	15	6	3	0	94
Per cent change	31.6	-25.0	-28.6	-50.0	36.4	-	50.0	-100.0	-5.1

**Table I.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2021 - March 2021	68	59	76	31	44	3	5	4	290
January 2022 - March 2022	85	65	76	19	32	12	13	3	305
Per cent change	25.0	10.2	0.0	-38.7	-27.3	300.0	160.0	-25.0	5.2

**Table I.3** Year ending March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	406	258	256	102	160	38	38	5	1,263
2019	361	232	229	91	166	28	42	7	1,156
2020	323	258	219	114	150	36	35	5	1,140
2021	275	203	306	94	164	25	30	11	1,108
2022	286	238	276	87	154	44	43	10	1,138
Latest per cent change	4.0	17.2	-9.8	-7.4	-6.1	76.0	43.3	-9.1	2.7
Average trend change per year (per cent)	-9.3	-2.9	4.5	-2.8	-0.9	1.8	-0.9	20.2	-2.5

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

**Table 2.1** By road user

12 months ended March	Driver	Passenger	Pedestrian	Motorcyclist <sup>a</sup>	Cyclist <sup>a</sup>	Total <sup>b</sup>		
2018	583	235	181		212	43	1,263	
2019	525	211	170		208	37	1,156	
2020	554	197	159		186	41	1,140	
2021	545	178	126		217	37	1,108	
2022	549	180	133		229	38	1,138	
Latest per cent change	0.7		1.1		5.6	5.5	2.7	2.7
Average trend change per year (per cent)	-0.8		-6.8		-8.8	2.0	-2.4	-2.5

**Table 2.2** By age-group (years)

12 months ended March	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>b</sup>
2018	44	248	248	412	131	179	1,263
2019	56	214	257	370	114	142	1,156
2020	44	240	262	335	98	161	1,140
2021	60	204	292	342	86	119	1,108
2022	60	225	233	361	112	139	1,138
Latest per cent change	0.0	10.3	-20.2	5.6	30.2	16.8	2.7
Average trend change per year (per cent)	7.1	-2.4	0.0	-3.4	-5.8	-6.6	-2.5

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

**Table 2.3** By gender

12 months ended March	Males	Females	Total <sup>c</sup>
2018	919	344	1,263
2019	869	286	1,156
2020	870	270	1,140
2021	811	292	1,108
2022	858	277	1,138
<i>Latest per cent change</i>	5.8	-5.1	2.7
<i>Average trend change per year (per cent)</i>	-2.0	-4.0	-2.5

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 March

12 months ended March	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2018	5.14	4.06	5.18	5.91	6.20	7.25	15.35	1.21	5.11
2019	4.50	3.57	4.55	5.23	6.38	5.28	17.00	1.66	4.61
2020	3.98	3.89	4.28	6.48	5.69	6.72	14.22	1.17	4.48
2021	3.37	3.04	5.90	5.31	6.15	4.62	12.17	2.55	4.31
2022	3.49	3.58	5.27	4.91	5.74	8.14	17.49	2.32	4.42
<i>Latest per cent change</i>	3.7	17.8	-10.8	-7.6	-6.7	75.9	43.7	-9.0	2.4
<i>Average trend change per year (per cent)</i>	-10.1	-4.0	3.0	-3.5	-1.9	1.0	-0.7	19.0	-3.5

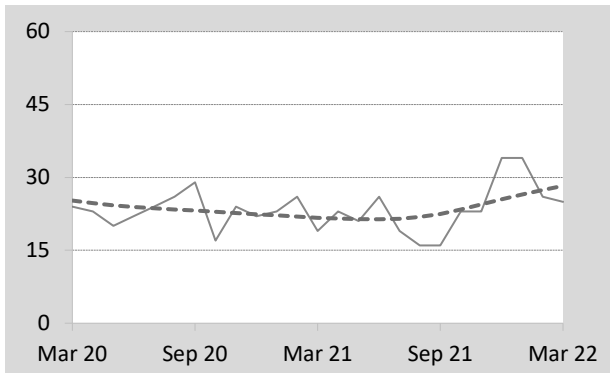
**Table 3.2** Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
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	4.36	4.03	4.30	6.50	6.21	5.42	14.63	1.41	4.68
2020	3.48	3.15	5.37	5.25	5.78	6.85	12.59	1.62	4.26
2021	3.28	3.49	5.29	5.58	6.19	6.46	14.21	2.54	4.36
<i>Latest per cent change</i>	-5.5	10.7	-1.6	6.3	7.1	-5.6	12.9	56.8	2.4

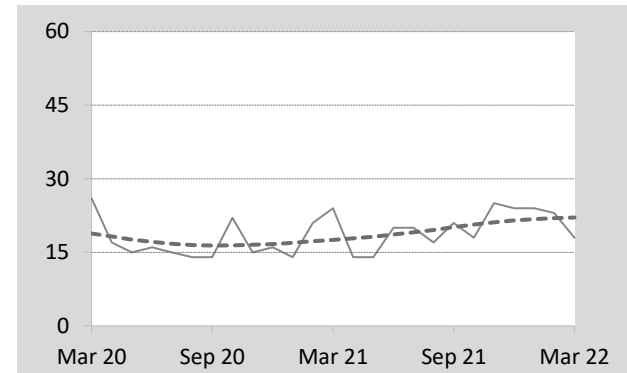
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
*(Whittaker-Henderson)*

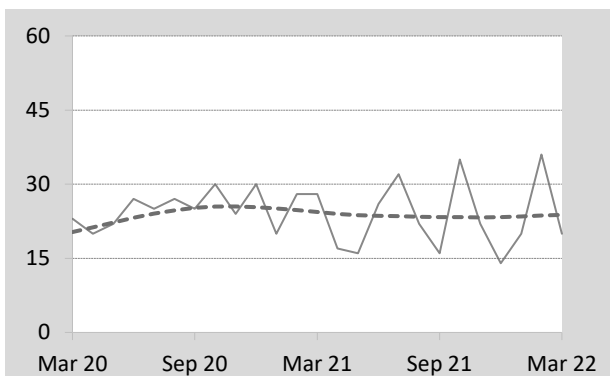
**Figure 4.1 NSW**



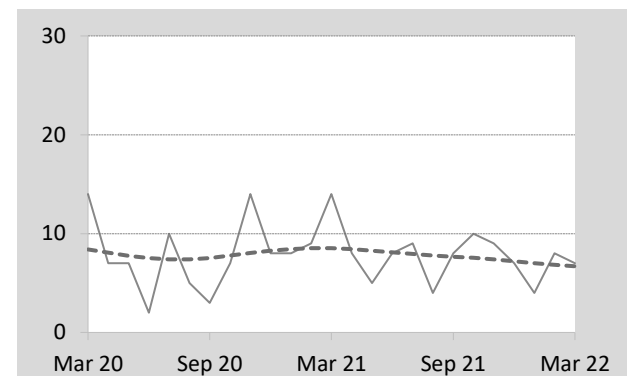
**Figure 4.2 Vic**



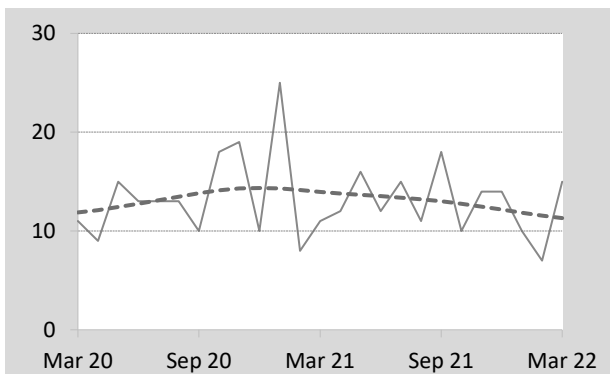
**Figure 4.3 Qld**



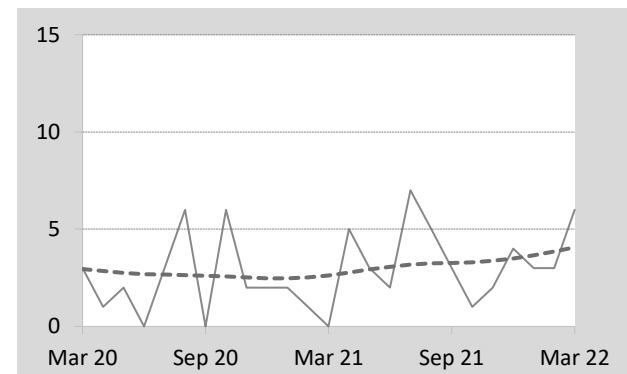
**Figure 4.4 SA**



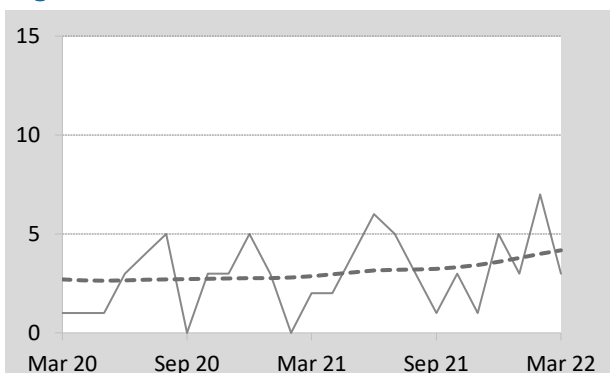
**Figure 4.5 WA**



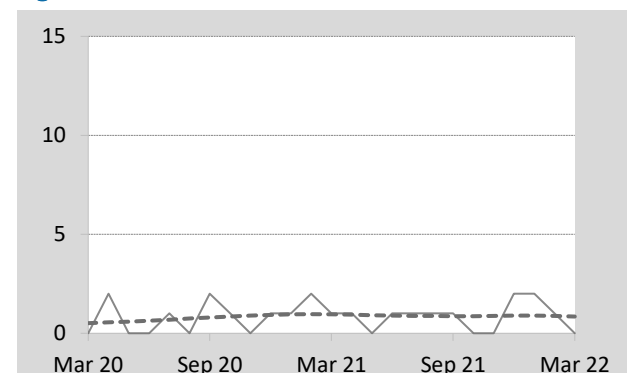
**Figure 4.6 Tas**



**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 March	Crash type <sup>a</sup>		Posted speed limit (km/h)						Total <sup>b</sup>
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2018	645	515	35	162	222	255	341	138	1,160
2019	664	406	16	125	187	221	346	167	1,070
2020	628	428	22	137	178	227	333	152	1,056
2021	568	448	14	115	170	254	338	115	1,016
2022	636	423	18	125	183	213	334	140	1,060
Latest per cent change	12.0	-5.6	28.6	8.7	7.6	-16.1	-1.2	21.7	4.3
Average trend change per year (per cent)	-1.8	-2.9	-13.6	-5.8	-4.7	-2.2	-0.6	-3.4	-2.3

**Table 5.2** By Day of week and Time of day

12 months ended March	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2018	720	440	739	421
2019	649	421	659	411
2020	664	392	642	414
2021	588	428	620	396
2022	655	405	639	421
Latest per cent change	11.4	-5.4	3.1	6.3
Average trend change per year (per cent)	-2.8	-1.5	-3.5	-0.4

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.

### 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 March 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](http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx)>.

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