



Australian Government

Department of Infrastructure, Transport,
Regional Development, Communications and the Arts

STATISTICAL REPORT

bitre
Safety

Road Trauma Australia
2022 statistical summary

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Bureau of Infrastructure and Transport Research Economics (BITRE), 2023, *Road Trauma Australia 2022 statistical summary*, BITRE, Canberra ACT.

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Road Trauma Australia 2022 statistical summary

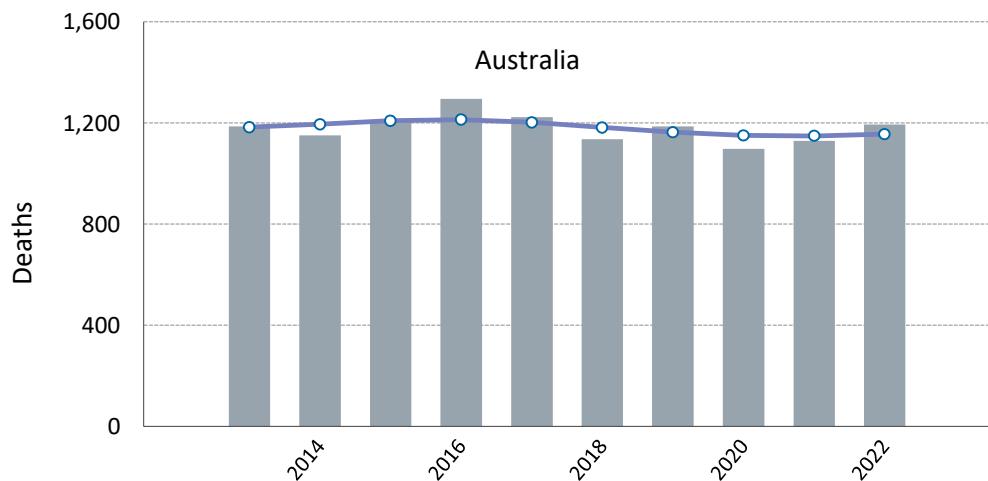
Department of Infrastructure, Transport, Regional Development, Communications and the Arts
Canberra, Australia

At a glance

This report is the latest in the BITRE series of annual road crash statistical reports. It presents annual counts of road deaths, injuries and standardised rates.

Figure I

Deaths by jurisdiction, with trends



Reduction over the Decade

In 2022, there were 1,194 road crash deaths. This is an increase of 5.8 per cent from 2021. Over the decade national fatalities have remained largely flat.

Fatality rates per population declined over the decade by a total of 10.4 per cent (from 5.1 to 4.6). The largest reductions in this rate were in New South Wales (down 20.1 per cent) and in South Australia (down 33.5 per cent).

Deaths of vulnerable road users (motorcyclist, pedestrian and pedal cyclist) were also largely flat over the decade. Within this group, motorcyclist deaths increased slightly and for pedestrians and pedal cyclists, the trends were both marginal reductions. Vehicle passenger deaths declined the most out of all road user groups (2.5 per cent per annum).

The decade-long trends by age group are also weak, with no strong consistency. Deaths in the 17 to 25 years age group account for 19 per cent of all deaths (and 11 per cent of population). The age group ≥ 65 years account for 21 per cent of total deaths and 17 per cent of total population.

Approximately two thirds of road deaths occur in Regional and Remote areas, with one third occurring in a Major City area. These proportions have not changed over the decade.

Exposure data — Population and Registrations

Population increased by 12.4 per cent over the decade. The greatest increases were seen in the 65-74 years group (31 per cent growth) and in ≥ 75 years (35 per cent growth). The population of Major Cities (72 per cent of total) increased faster than Regional areas or Remote areas.

Over the decade, vehicle registrations increased by 20.4 per cent. Motorcycle registrations increased by 27.6 per cent and registrations of 4-wheeled vehicles increased by 20.0 per cent.

Data Sources

The tables on fatal road crashes presented in this report are based on two databases: the Australian Road Deaths Database (ARDD) and the National Crash Database (NCD).

The scope of the ARDD is all fatal road crashes in Australia. It comprises basic demographic and crash information only. It is updated each month. The tables in this report that present fatal crash data for 2013-2022 are based on the ARDD (refer to table source). The database is available at <www.bitre.gov.au/statistics/safety/fatal_road_crash_database> and at <data.gov.au>.

The scope of the NCD is all fatal and injury crashes across Australia. The NCD contains greater detail than the ARDD, but is updated annually and is current to 2021. The tables in this report that present fatal crash data for 2013-2021 are sourced from the NCD.

Formal reporting on progress against the National Road Safety Strategy 2021-30 is based on the NCD (see www.roadsafety.gov.au/nrss). Also, further analysis is available via an NCD dashboard (www.bitre.gov.au/statistics/safety).

Due to the timing differences in data receipt and ongoing validation by data providers, there are minor data differences between the two databases.

Acknowledgements

The Department of Infrastructure, Transport, Regional Development, Communications and the Arts acknowledges the provision of data from the following agencies:

Transport for New South Wales;
VicRoads;
Department of Transport and Main Roads, Queensland;
Department of Planning, Transport and Infrastructure, South Australia;
Western Australian Police;
Department of State Growth, Tasmania;
Department of Infrastructure, Planning and Logistics, Northern Territory;
Transport Canberra and City Services Directorate, Australian Capital Territory;
Australian Bureau of Statistics.

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Section I

TRAUMA

Table I.1 Deaths by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	333	243	271	98	161	36	37	7	1,186
2014	307	248	223	108	182	33	39	10	1,150
2015	350	252	243	102	161	34	49	15	1,206
2016	380	290	251	86	195	37	45	10	1,294
2017	389	259	247	100	160	32	31	5	1,223
2018	347	213	245	80	159	32	50	9	1,135
2019	353	266	219	114	163	29	36	6	1,186
2020	284	211	278	93	155	38	31	7	1,097
2021	275	231	277	99	166	35	35	11	1,129
2022	293	242	297	71	175	51	47	18	1,194
% change 2021-2022	6.5	4.8	7.2	-28.3	5.4	45.7	34.3	63.6	5.8
Ave. trend change p.a. (%)	-2.0	-1.1	1.6	-2.0	-0.4	2.1	-0.7	2.7	-0.5

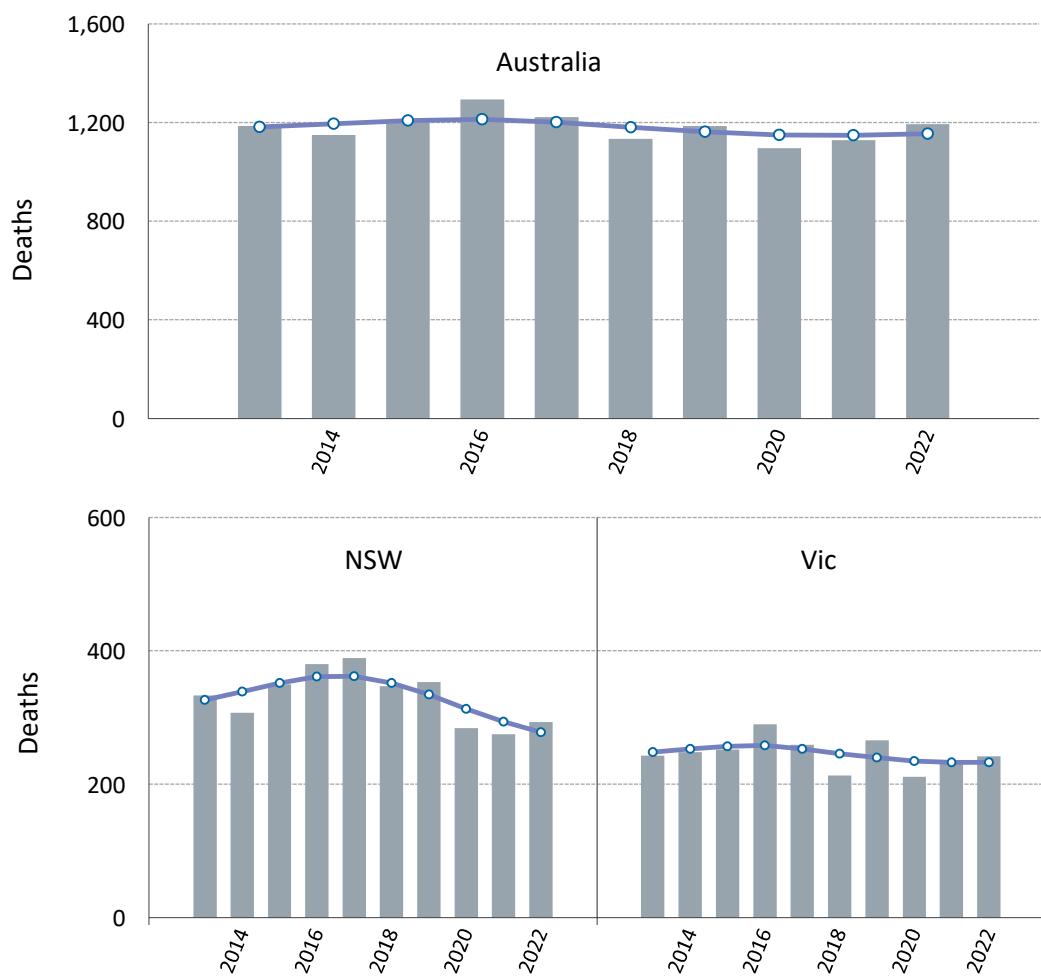
Figure I.1 Deaths by jurisdiction, with trends

Figure I.I**Deaths by jurisdiction, with trends (continued)**

Table I.2 Deaths by road user

	<i>Driver</i>	<i>Passenger</i>	<i>Pedestrian</i>	<i>Motorcyclist</i> ^a	<i>Pedal cyclist</i> ^a	<i>Total</i> ^b
2013	556	204	158	213	50	1,186
2014	532	228	151	191	45	1,150
2015	555	252	160	205	31	1,206
2016	623	209	182	249	29	1,294
2017	566	235	162	211	39	1,223
2018	519	205	178	191	35	1,135
2019	569	205	158	212	39	1,186
2020	534	192	138	187	41	1,097
2021	530	182	133	237	41	1,129
2022	555	182	164	244	35	1,194
% change 2021-2022	4.7	0.0	23.3	3.0	-14.6	5.8
Ave. trend change p.a. (%)	-0.4	-2.5	-1.0	1.0	-1.0	-0.5

a Includes billion passengers.

b Includes cases where road user type is unknown.

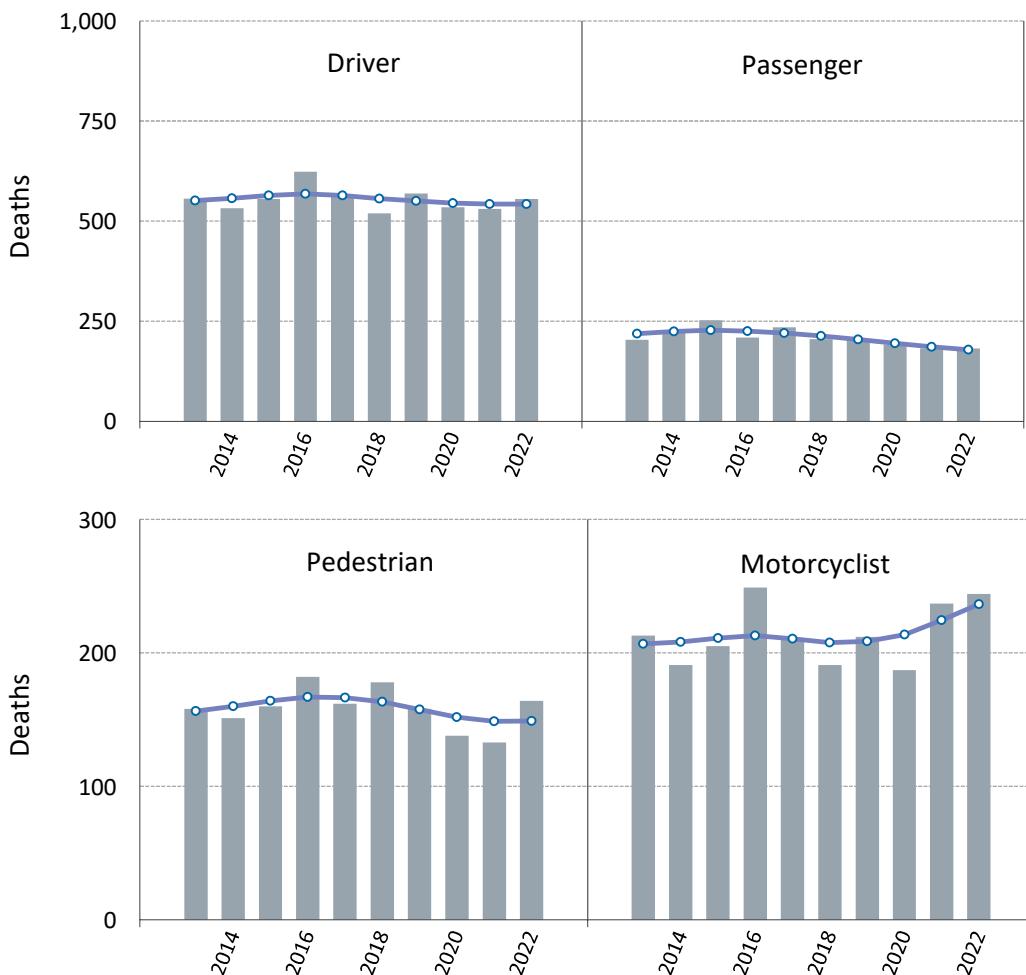
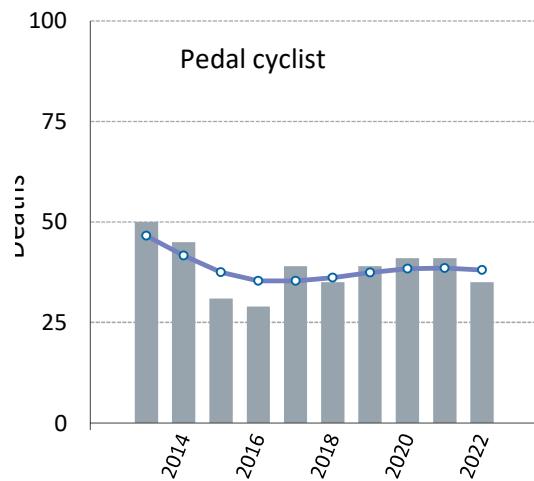
Figure I.2 Deaths by road user, with trends

Figure 1.2 Deaths by road user, with trends (continued)**Table 1.3 Deaths by age group**

	0–7 years	8–16 years	17–25 years	26–39 years	40–64 years	65–74 years	≥ 75 years	Total ^a
2013	31	35	230	243	373	118	156	1,186
2014	36	29	235	251	358	109	130	1,150
2015	19	45	227	272	373	119	151	1,206
2016	24	36	265	290	411	103	165	1,294
2017	22	27	244	237	391	120	182	1,223
2018	15	38	226	258	351	114	129	1,135
2019	16	28	237	256	372	106	169	1,186
2020	17	38	208	291	331	75	133	1,097
2021	22	43	212	243	351	113	140	1,129
2022	15	48	230	270	377	117	135	1,194
% change 2021–2022	-31.8	11.6	8.5	11.1	7.4	3.5	-3.6	5.8
Ave. trend change p.a. (%)	-7.1	2.7	-0.9	0.5	-0.6	-1.3	-1.0	-0.5

a Includes cases where age is unknown.

Figure I.3 Deaths by age group, with trends

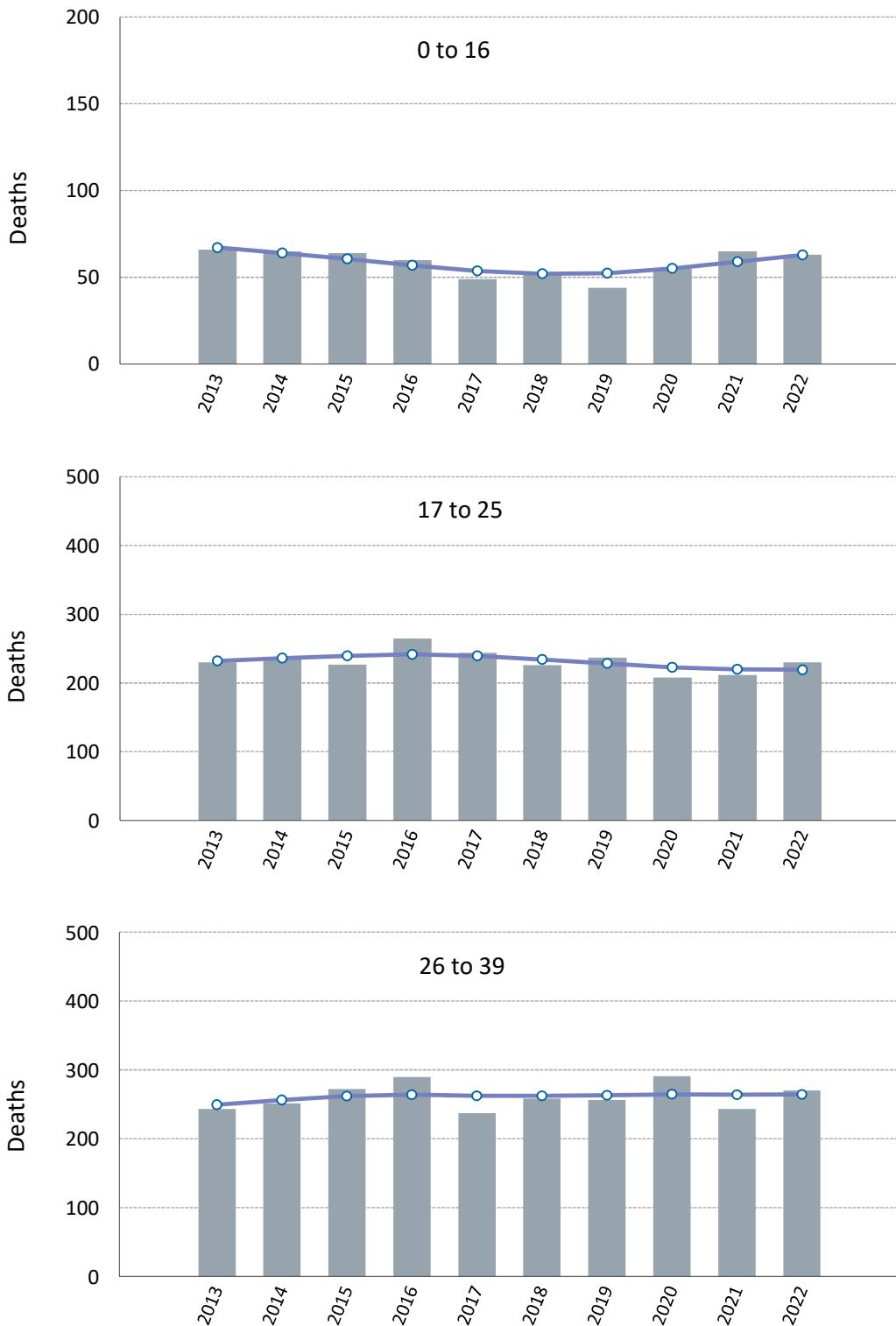


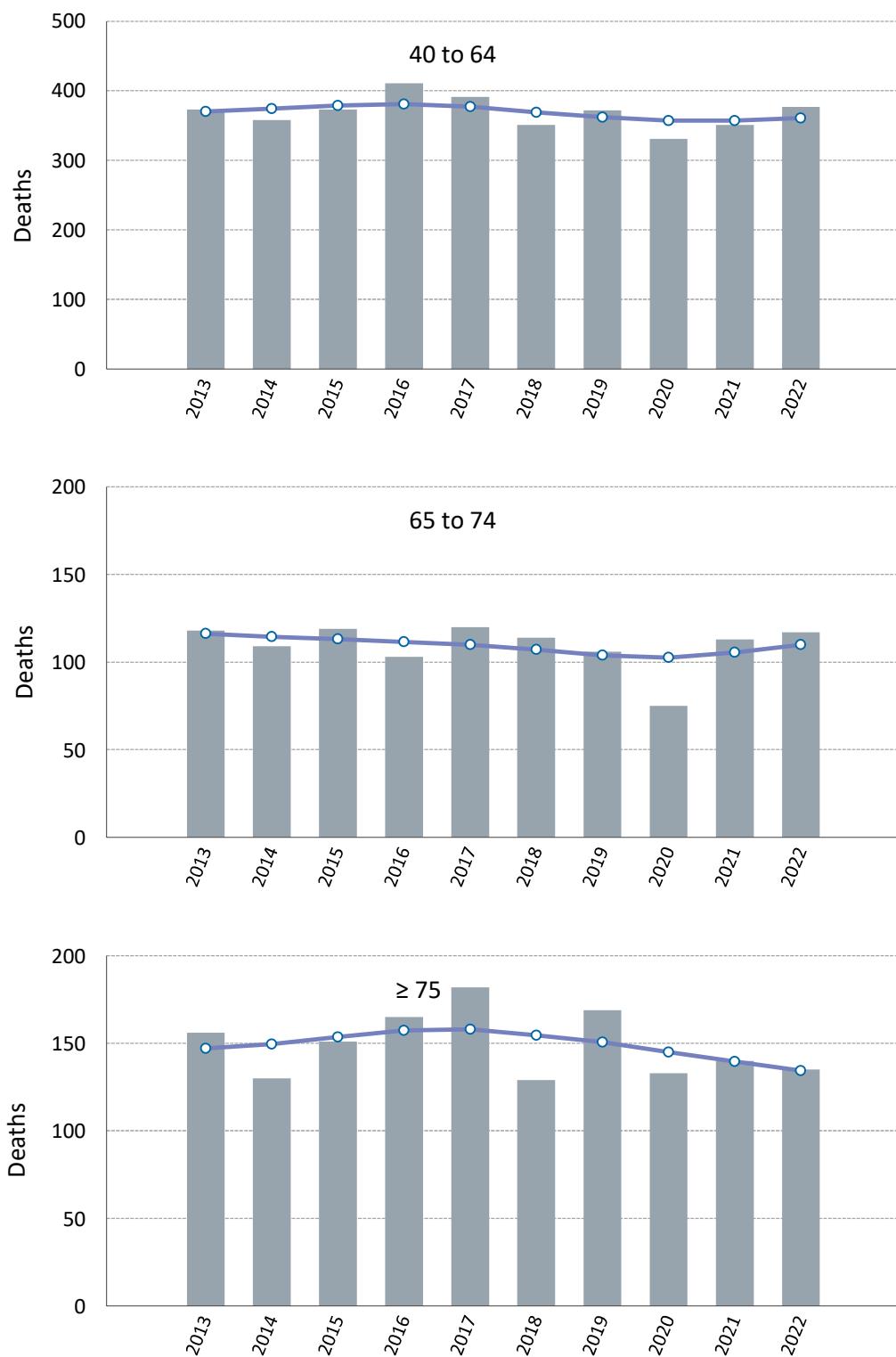
Figure I.3**Deaths by age group, with trends (continued)**

Table 1.4 Deaths by gender

	<i>Male</i>	<i>Female</i>	<i>Total^a</i>
2013	851	334	1,186
2014	818	331	1,150
2015	868	338	1,206
2016	956	337	1,294
2017	899	324	1,223
2018	842	292	1,135
2019	904	282	1,186
2020	793	300	1,097
2021	852	275	1,129
2022	885	308	1,194
% change 2021-2022	3.9	12.0	5.8
Ave. trend change p.a. (%)	0.0	-2.0	-0.5

^a Includes cases where gender is unspecified or unknown.

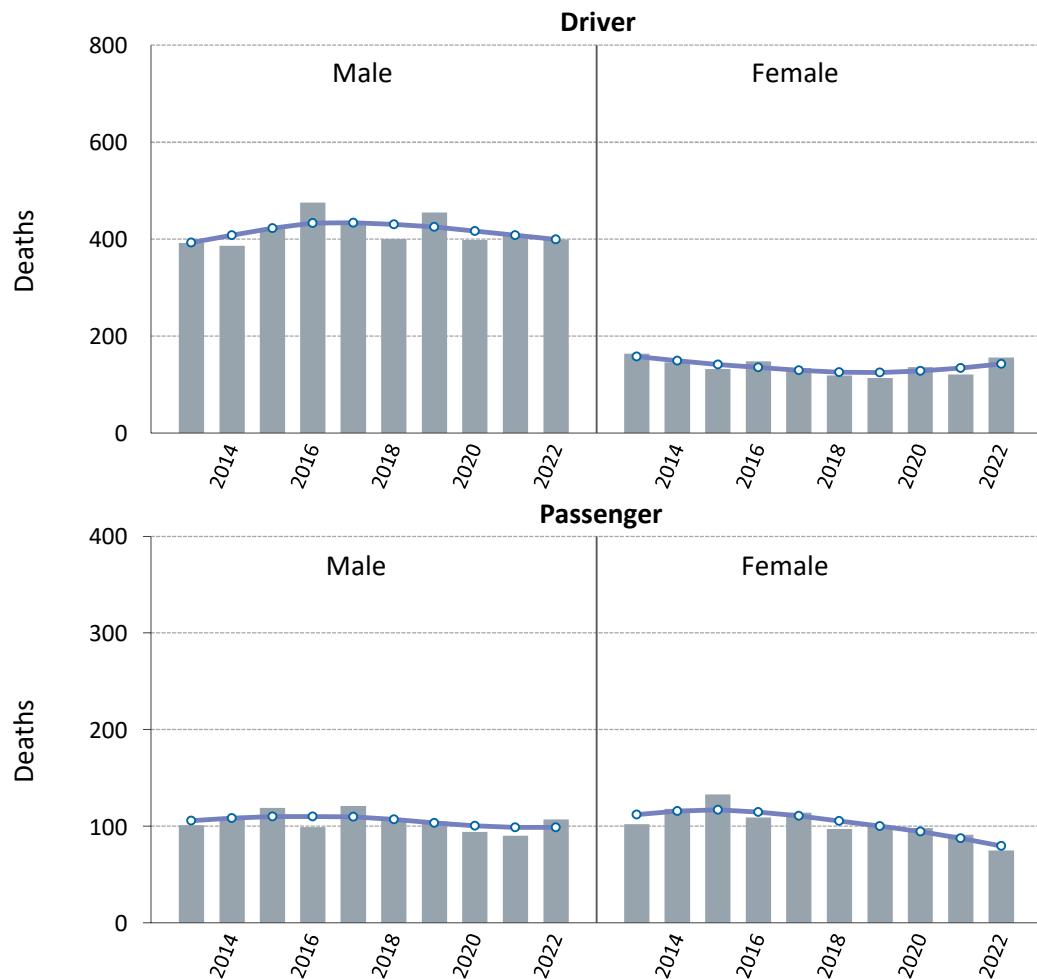
Figure 1.4 Deaths by gender and road user, with trends

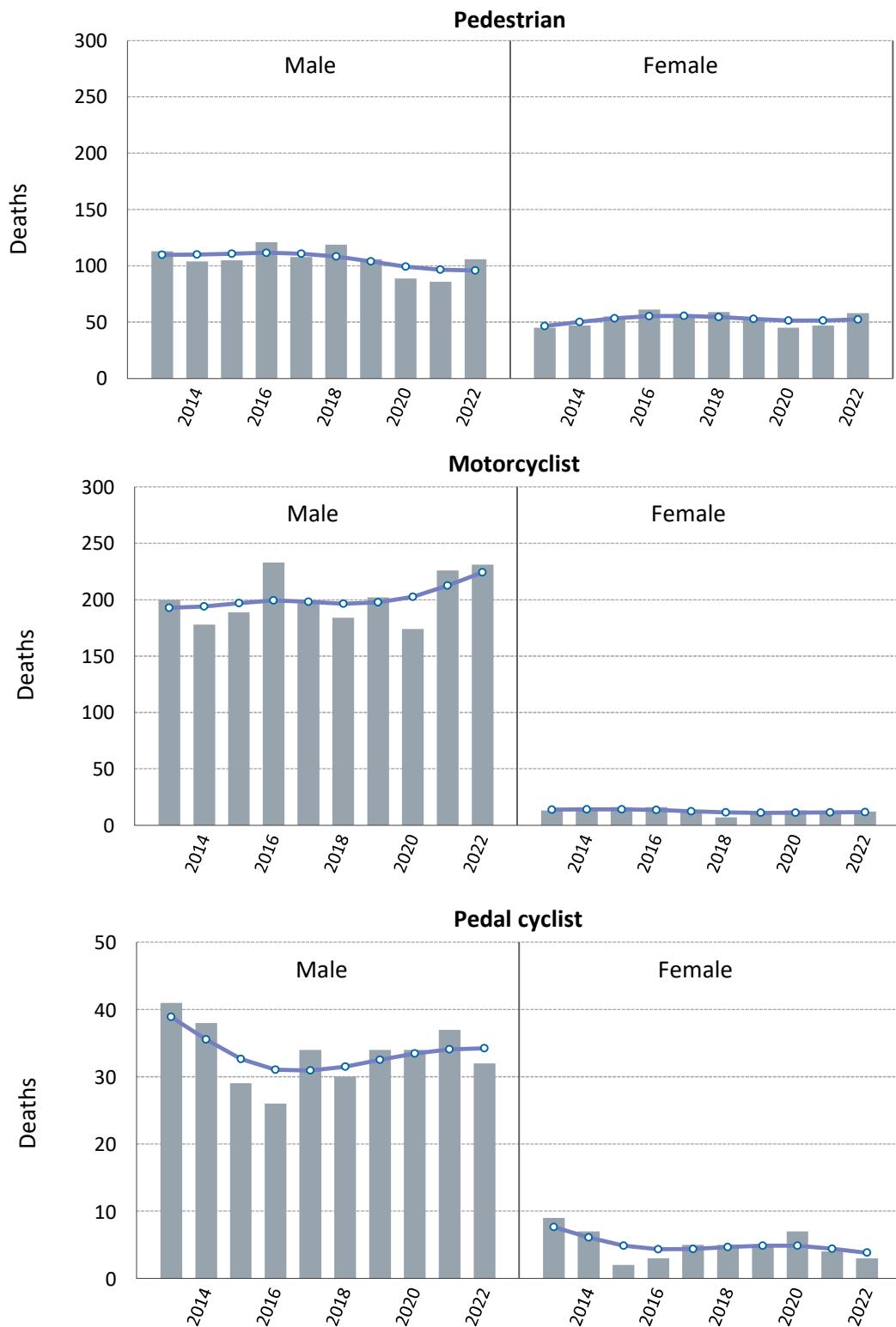
Figure 1.4**Deaths by gender and road user, with trends (continued)**

Table 1.5 Deaths by jurisdiction and road user

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
All road users^a									
2013	333	243	271	98	161	36	37	7	1,186
2014	307	248	223	108	182	33	39	10	1,150
2015	350	252	243	102	161	34	49	15	1,206
2016	380	290	251	86	195	37	45	10	1,294
2017	389	259	247	100	160	32	31	5	1,223
2018	347	213	245	80	159	32	50	9	1,135
2019	353	266	219	114	163	29	36	6	1,186
2020	284	211	278	93	155	38	31	7	1,097
2021	275	231	277	99	166	35	35	11	1,129
2022	293	242	297	71	175	51	47	18	1,194
% change 2021-2022	6.5	4.8	7.2	-28.3	5.4	45.7	34.3	63.6	5.8
Ave. trend change p.a. (%)	-2.0	-1.1	1.6	-2.0	-0.4	2.1	-0.7	2.7	-0.5
Driver									
2013	155	121	136	50	68	13	11	2	556
2014	153	112	106	52	77	18	10	4	532
2015	155	122	117	52	70	17	14	8	555
2016	183	150	106	41	101	17	19	6	623
2017	186	129	101	46	77	14	11	2	566
2018	158	98	121	41	73	14	12	2	519
2019	166	113	112	60	81	17	16	4	569
2020	135	104	134	47	81	19	11	3	534
2021	133	116	118	46	81	17	13	6	530
2022	136	101	140	38	93	25	15	7	555
% change 2021-2022	2.3	-12.9	18.6	-17.4	14.8	47.1	15.4	16.7	4.7
Ave. trend change p.a. (%)	-2.0	-2.0	1.2	-1.7	2.0	3.7	1.8	5.0	-0.4
Passenger									
2013	49	39	56	17	27	5	9	2	204
2014	43	50	52	24	37	9	11	2	228
2015	60	57	47	17	50	3	16	2	252
2016	54	36	38	23	36	6	16	0	209
2017	82	45	52	11	32	4	8	1	235
2018	57	32	41	16	37	5	15	2	205
2019	60	48	37	9	36	2	13	0	205
2020	40	30	49	17	31	9	12	4	192
2021	29	33	62	17	26	6	7	2	182
2022	43	22	48	9	31	9	13	7	182
% change 2021-2022	48.3	-33.3	-22.6	-47.1	19.2	50.0	85.7	250.0	0.0
Ave. trend change p.a. (%)	-3.6	-6.3	-0.2	-6.2	-2.1	3.0	-0.8	-	-2.5

Table 1.5 Deaths by jurisdiction and road user (continued)

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
Pedestrian									
2013	44	36	21	13	31	3	9	1	158
2014	41	46	19	17	16	3	8	1	151
2015	61	33	21	18	13	3	11	0	160
2016	71	40	37	9	14	4	6	1	182
2017	54	30	35	17	15	2	9	0	162
2018	69	37	35	6	15	3	11	2	178
2019	45	49	18	21	16	3	4	2	158
2020	48	29	34	8	11	5	3	0	138
2021	41	28	20	14	19	2	7	2	133
2022	51	44	29	8	14	5	11	2	164
% change 2021-2022	24.4	57.1	45.0	-42.9	-26.3	150.0	57.1	0.0	23.3
Ave. trend change p.a. (%)	-0.6	-0.9	2.2	-4.9	-3.8	2.4	-3.9	-	-1.0
Motorcyclist^b									
2013	71	41	45	12	25	11	6	2	213
2014	59	30	37	11	43	3	6	2	191
2015	67	30	54	11	23	10	6	4	205
2016	67	56	62	8	39	10	4	3	249
2017	59	38	50	24	25	11	3	1	211
2018	54	38	43	10	28	8	8	2	191
2019	68	43	45	17	29	7	3	0	212
2020	48	32	54	19	26	5	3	0	187
2021	63	42	67	17	34	9	5	0	237
2022	55	57	74	13	31	11	3	0	244
% change 2021-2022	-12.7	35.7	10.4	-23.5	-8.8	22.2	-40.0	0.0	3.0
Ave. trend change p.a. (%)	-2.1	3.0	4.7	4.9	0.1	1.7	-6.4	-	1.0
Pedal cyclist^b									
2013	14	6	13	5	6	4	2	0	50
2014	11	10	9	4	9	0	1	1	45
2015	7	10	4	4	4	1	0	1	31
2016	5	8	8	5	3	0	0	0	29
2017	8	12	8	2	7	1	0	1	39
2018	9	7	5	7	5	1	0	1	35
2019	14	11	6	7	1	0	0	0	39
2020	13	13	7	2	5	0	1	0	41
2021	9	10	10	5	4	1	1	1	41
2022	8	12	6	3	4	1	0	1	35
% change 2021-2022	-11.1	20.0	-40.0	-40.0	0.0	0.0	-100.0	0.0	-14.6
Ave. trend change p.a. (%)	-0.1	4.9	-2.8	-2.5	-6.9	-	-	-	-1.0

a Includes cases where road user type is unknown.
 b Includes billion passengers.

Table 1.6 Deaths by jurisdiction and age group

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
0–16 years									
2013	12	8	24	5	13	1	3	0	66
2014	12	15	13	8	11	4	2	0	65
2015	20	14	8	6	14	0	1	1	64
2016	18	8	8	5	13	4	4	0	60
2017	19	8	6	3	8	3	2	0	49
2018	11	9	13	4	11	0	3	2	53
2019	9	10	14	4	4	0	3	0	44
2020	15	7	15	4	8	3	2	1	55
2021	17	13	14	4	12	2	3	0	65
2022	19	8	17	2	8	4	3	2	63
% change 2021–2022	11.8	-38.5	21.4	-50.0	-33.3	100.0	0.0	-	-3.1
Ave. trend change p.a. (%)	1.5	-2.2	1.8	-9.0	-5.8	-	3.6	-	-1.2
17–25 years									
2013	74	39	58	15	30	6	6	2	230
2014	67	49	46	18	42	3	6	4	235
2015	55	49	46	15	38	10	11	3	227
2016	79	50	52	16	50	7	7	4	265
2017	79	50	49	22	31	3	8	2	244
2018	78	29	52	18	30	11	7	1	226
2019	61	53	55	22	32	7	7	0	237
2020	53	33	53	23	31	4	10	1	208
2021	53	37	53	21	37	7	1	3	212
2022	54	42	58	19	29	8	14	6	230
% change 2021–2022	1.9	13.5	9.4	-9.5	-21.6	14.3	1300.0	100.0	8.5
Ave. trend change p.a. (%)	-3.2	-2.2	1.2	3.8	-2.1	3.2	-3.3	-	-0.9
26–39 years									
2013	67	46	54	11	43	8	13	1	243
2014	54	57	55	20	39	4	19	3	251
2015	62	54	65	20	40	8	20	3	272
2016	72	64	54	19	56	8	15	2	290
2017	73	51	52	16	28	5	10	2	237
2018	68	56	51	12	45	5	18	3	258
2019	68	53	50	24	35	5	20	1	256
2020	76	60	74	24	39	7	9	2	291
2021	47	49	81	14	31	6	14	1	243
2022	50	55	77	12	47	13	12	4	270
% change 2021–2022	6.4	12.2	-4.9	-14.3	51.6	116.7	-14.3	300.0	11.1
Ave. trend change p.a. (%)	-1.7	0.4	3.9	-0.2	-1.1	3.2	-3.2	0.7	0.5

Table 1.6**Deaths by jurisdiction and age group (continued)**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
40–64 years									
2013	104	79	89	38	44	8	10	1	373
2014	97	71	75	33	56	12	12	2	358
2015	115	78	70	33	47	11	15	4	373
2016	118	105	84	21	54	11	15	3	411
2017	122	81	84	28	51	15	10	0	391
2018	100	64	84	25	48	10	17	3	351
2019	122	79	62	33	58	9	6	3	372
2020	80	64	87	21	52	18	7	2	331
2021	88	66	82	34	52	11	15	3	351
2022	89	82	91	24	61	13	12	5	377
% change 2021-2022	1.1	24.2	11.0	-29.4	17.3	18.2	-20.0	66.7	7.4
Ave. trend change p.a. (%)	-2.4	-1.4	0.6	-3.0	1.9	3.2	-1.7	-	-0.6
65–74 years									
2013	33	26	19	9	19	7	5	0	118
2014	33	22	20	15	15	3	0	1	109
2015	47	27	19	10	10	2	2	2	119
2016	40	23	16	9	10	2	3	0	103
2017	44	23	21	13	15	3	1	0	120
2018	40	26	25	9	7	4	3	0	114
2019	39	22	14	12	16	2	0	1	106
2020	23	13	21	4	9	2	2	1	75
2021	34	27	18	13	15	3	2	1	113
2022	39	26	21	5	14	6	5	1	117
% change 2021-2022	14.7	-3.7	16.7	-61.5	-6.7	100.0	150.0	0.0	3.5
Ave. trend change p.a. (%)	-1.2	-1.3	0.3	-6.1	-1.6	-0.7	-	-	-1.3
≥ 75 years									
2013	43	45	27	20	12	6	0	3	156
2014	43	34	14	14	18	7	0	0	130
2015	51	30	35	18	12	3	0	2	151
2016	53	40	37	16	12	5	1	1	165
2017	52	46	35	18	27	3	0	1	182
2018	50	29	20	12	14	2	2	0	129
2019	54	49	24	19	16	6	0	1	169
2020	37	30	28	17	16	4	1	0	133
2021	36	36	28	13	18	6	0	3	140
2022	42	28	33	9	15	7	1	0	135
% change 2021-2022	16.7	-22.2	17.9	-30.8	-16.7	16.7	-	-	-3.6
Ave. trend change p.a. (%)	-1.8	-2.2	2.3	-4.7	2.2	1.2	-	-	-1.0

Table 1.7 Deaths by road user and age group

	<i>Driver</i>	<i>Passenger</i>	<i>Pedestrian</i>	<i>Motorcyclist^a</i>	<i>Pedal cyclist^a</i>	<i>All road users^b</i>
0–16 years						
2013	4	37	13	4	7	66
2014	3	41	17	2	2	65
2015	2	49	10	3	0	64
2016	4	36	12	6	1	60
2017	2	28	14	3	1	49
2018	4	30	14	2	2	53
2019	2	29	8	2	3	44
2020	2	30	15	3	5	55
2021	7	38	16	3	1	65
2022	3	41	11	4	2	63
% change 2021–2022	-57.1	7.9	-31.3	33.3	100.0	-3.1
Ave. trend change p.a. (%)	1.2	-1.6	-0.7	-0.5	-	-1.2
17–25 years						
2013	120	52	16	38	4	230
2014	111	58	20	41	3	235
2015	113	65	11	34	4	227
2016	136	56	25	46	1	265
2017	118	57	17	43	6	244
2018	117	51	28	28	1	226
2019	105	59	23	43	6	237
2020	109	56	12	28	1	208
2021	113	33	16	44	5	212
2022	116	48	18	47	0	230
% change 2021–2022	2.7	45.5	12.5	6.8	-100.0	8.5
Ave. trend change p.a. (%)	-0.7	-3.2	0.1	0.5	-	-0.9
26–39 years						
2013	111	35	21	64	11	243
2014	123	39	23	57	8	251
2015	132	47	27	60	4	272
2016	164	35	26	63	2	290
2017	125	42	19	48	3	237
2018	119	43	30	58	7	258
2019	134	40	21	56	5	256
2020	151	35	36	60	7	291
2021	127	30	15	70	1	243
2022	125	35	27	78	2	270
% change 2021–2022	-1.6	16.7	80.0	11.4	100.0	11.1
Ave. trend change p.a. (%)	0.8	-1.7	0.3	1.9	-13.3	0.5

Table 1.7**Deaths by road user and age group (continued)**

	<i>Driver</i>	<i>Passenger</i>	<i>Pedestrian</i>	<i>Motorcyclist^a</i>	<i>Pedal cyclist^a</i>	<i>All road users^b</i>
40–64 years						
2013	189	35	43	84	21	373
2014	170	49	43	79	17	358
2015	175	42	45	95	16	373
2016	190	29	60	119	13	411
2017	184	48	47	93	17	391
2018	161	47	45	81	16	351
2019	198	26	39	89	18	372
2020	148	36	40	85	22	331
2021	167	43	29	92	17	351
2022	190	27	50	88	16	377
% change 2021-2022	13.8	-37.2	72.4	-4.3	-5.9	7.4
Ave. trend change p.a. (%)	-0.6	-2.6	-2.0	0.0	0.0	-0.6
65–74 years						
2013	54	18	22	17	6	118
2014	65	12	13	8	11	109
2015	58	21	25	12	3	119
2016	47	18	19	11	8	103
2017	47	23	22	20	8	120
2018	55	12	19	20	6	114
2019	46	20	18	19	3	106
2020	47	8	8	7	4	75
2021	49	11	21	23	9	113
2022	52	9	21	23	10	117
% change 2021-2022	6.1	-18.2	0.0	0.0	11.1	3.5
Ave. trend change p.a. (%)	-2.0	-7.0	-1.8	5.6	0.9	-1.3
≥ 75 years						
2013	78	27	43	6	1	156
2014	59	28	35	4	4	130
2015	75	28	42	1	4	151
2016	82	35	40	4	4	165
2017	90	37	43	4	4	182
2018	61	20	42	2	3	129
2019	84	29	49	3	4	169
2020	77	27	23	4	2	133
2021	65	25	36	5	8	140
2022	68	21	37	4	5	135
% change 2021-2022	4.6	-16.0	2.8	-20.0	-37.5	-3.6
Ave. trend change p.a. (%)	-0.4	-2.6	-2.1	2.0	9.9	-1.0

a Includes billion passengers.

b Includes cases where road user type is unknown.

Table 1.8**Deaths by posted speed limit**

	$\leq 40 \text{ km/h}$	50 km/h	$60\text{-}70 \text{ km/h}$	$80\text{-}90 \text{ km/h}$	100 km/h	$\geq 110 \text{ km/h}$	Total ^a
2013	16	134	271	212	406	138	1,186
2014	18	112	264	184	400	161	1,150
2015	20	117	296	217	387	160	1,206
2016	17	139	296	232	409	192	1,294
2017	38	157	280	191	388	160	1,223
2018	18	134	260	180	364	171	1,135
2019	21	133	243	207	383	188	1,186
2020	17	131	241	198	365	139	1,097
2021	18	132	271	172	361	161	1,129
2022	22	113	315	193	369	152	1,194
% change 2021-2022	22.2	-14.4	16.2	12.2	2.2	-5.6	5.8
Ave. trend change p.a. (%)	1.2	-0.1	-0.1	-1.3	-1.3	0.1	-0.5

a Includes cases where posted speed limit is unknown.

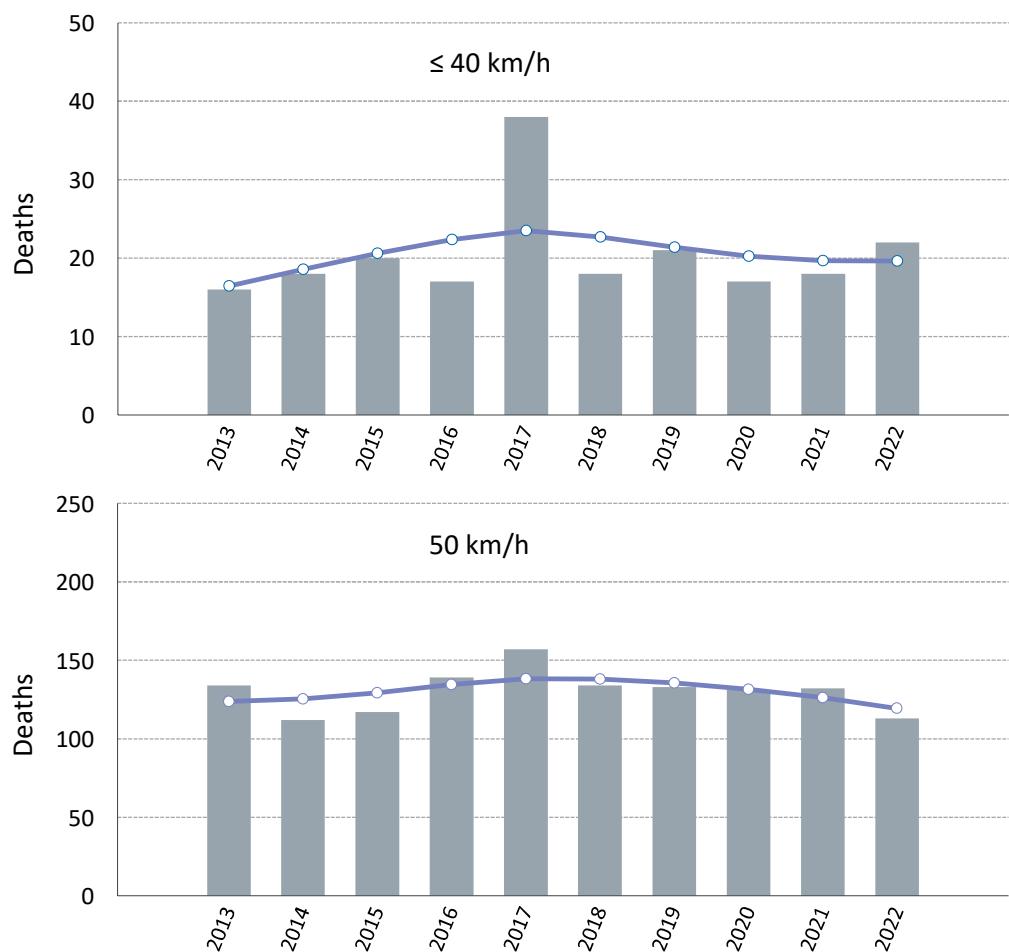
Figure 1.5**Deaths by posted speed limit, with trends**

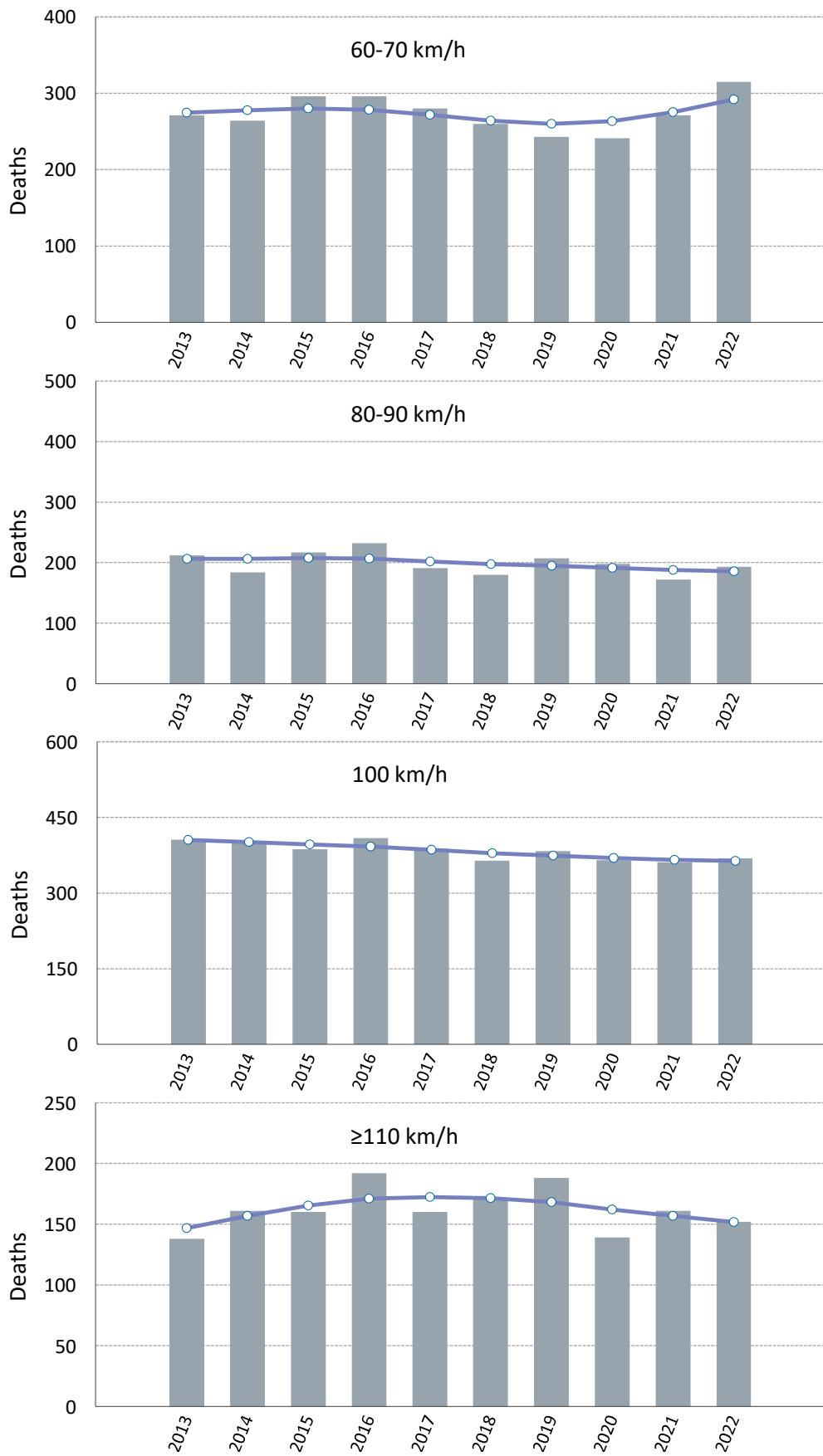
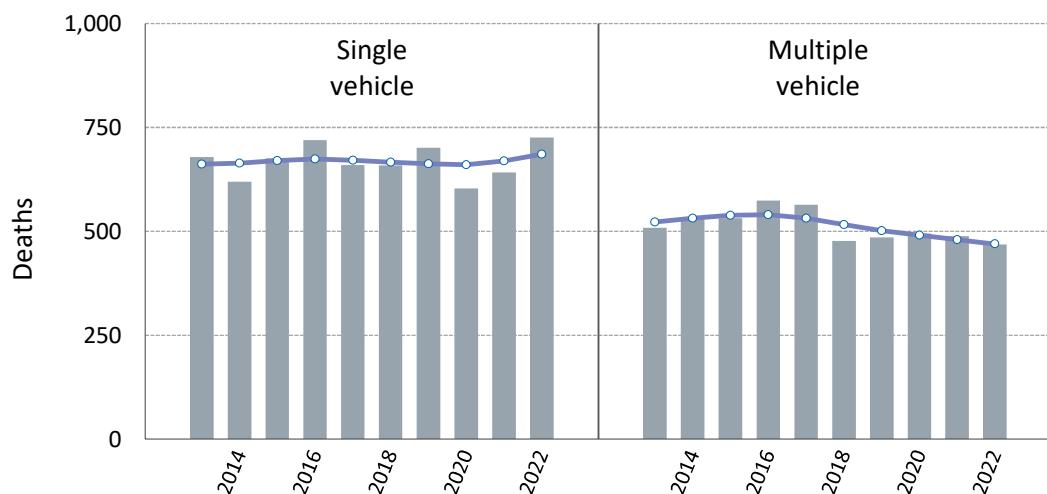
Figure 1.5**Deaths by posted speed limit, with trends (continued)**

Table I.9 Deaths by crash type

	<i>Single vehicle crash</i>	<i>Multiple vehicle crash</i>	<i>Total^a</i>
2013	678	508	1,186
2014	619	531	1,150
2015	675	531	1,206
2016	720	574	1,294
2017	659	564	1,223
2018	658	477	1,135
2019	701	485	1,186
2020	603	494	1,097
2021	641	488	1,129
2022	726	468	1,194
% change 2021-2022	13.3	-4.1	5.8
Ave. trend change p.a. (%)	0.1	-1.4	-0.5

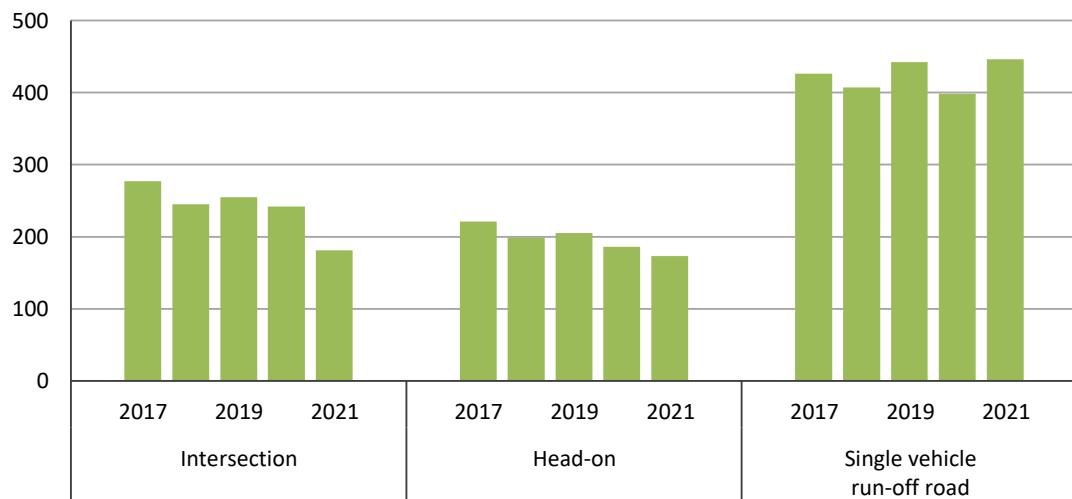
^a Includes cases where the number of vehicles involved is unknown.

Figure I.6 Deaths by crash type, with trends**Table I.10 Deaths by common crash sub-types^a**

	<i>Intersection</i>	<i>Head-on</i>	<i>Single vehicle run-off road^b</i>
2013	257	210	433
2014	232	216	404
2015	252	234	411
2016	280	261	471
2017	277	221	426
2018	245	199	407
2019	255	205	442
2020	242	186	398
2021	181	173	446

Ave. trend change p.a. (%) -2.3 -2.9 0.1

^a Categories not mutually exclusive.

Figure 1.7 Deaths by common crash sub-types**Table 1.11 Deaths by common DCA/RUM^a crash code groups**

	Non-collision (curve)	Non- collision	Opposing directions	Pedestrian	Adjacent directions	Same directions	Total ^b
2013	254	292	238	152	84	70	1,184
2014	220	259	243	146	90	67	1,150
2015	267	243	269	154	92	53	1,205
2016	299	260	294	170	80	77	1,295
2017	280	231	253	154	88	83	1,223
2018	241	242	214	173	79	83	1,135
2019	262	270	238	152	77	74	1,187
2020	232	239	230	125	82	73	1,097
2021	253	279	204	121	86	70	1,116
Ave. trend change p.a. (%)	-0.2	-0.5	-2.2	-2.3	-0.9	1.7	-0.9

a See Glossary.

b Includes deaths from all DCA/RUM codes.

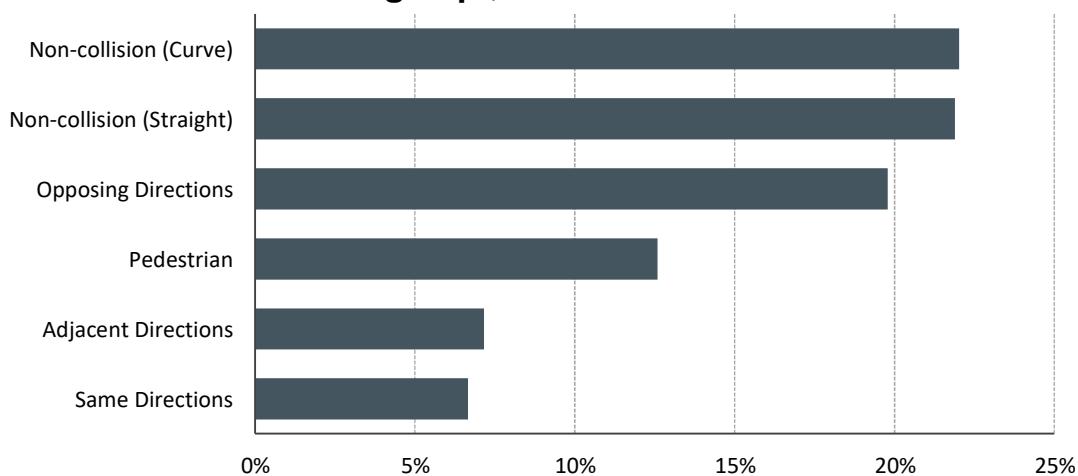
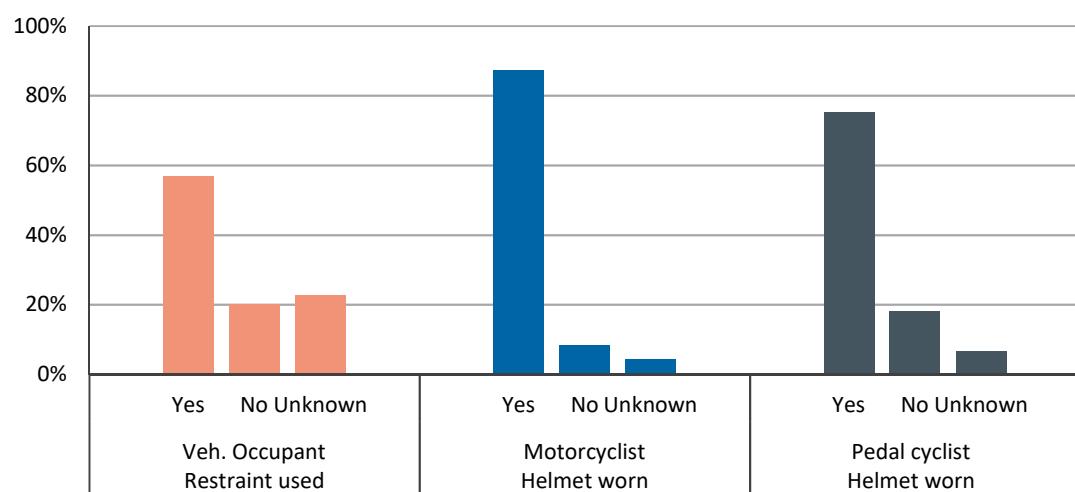
Figure 1.8 Distribution of deaths across common crash DCA/RUM code groups, 2017-2021 combined

Table I.12 Safety device wearing rates for killed road users

	<i>Restraint used</i>	<i>Not used</i>	<i>Unknown or not applicable</i>	<i>Total</i>
Vehicle occupant				
2013	446	142	169	757
2014	437	160	164	761
2015	484	177	147	808
2016	533	156	142	831
2017	506	133	162	801
2018	426	124	175	725
2019	444	140	189	773
2020	415	155	156	726
2021	393	150	158	701
Ave. trend change p.a. (%)	-1.7	-1.0	0.5	-1.1
 Motorcyclist^a				
2013	186	21	7	214
2014	172	8	11	191
2015	182	12	7	201
2016	220	21	10	251
2017	186	16	10	212
2018	176	11	4	191
2019	193	14	7	214
2020	167	18	5	190
2021	200	21	16	237
Ave. trend change p.a. (%)	0.2	3.6	0.0	0.4
 Pedal cyclist^a				
2013	38	8	4	50
2014	33	9	2	44
2015	24	3	3	30
2016	22	5	3	30
2017	31	5	3	39
2018	27	5	3	35
2019	33	5	1	39
2020	28	10	3	41
2021	30	7	4	41
Ave. trend change p.a. (%)	-1.0	1.3	-1.6	-0.5

a Includes billion passengers.

b 'Not applicable' refers to road users who are not required to use the safety device.

Figure I.9**Safety device wearing rates for killed road users, 2019-2021 combined****Table I.13****Deaths by validity of operators' licences**

	All operators valid licence	Any operators with invalid licence	Unknown	Total
2013	808	95	104	1,007
2014	721	95	135	951
2015	773	105	150	1,028
2016	811	119	152	1,082
2017	776	99	167	1,042
2018	711	95	150	956
2019	750	96	155	1,001
2020	681	116	134	931
2021	678	128	129	935
Ave. trend change p.a. (%)	-1.8	2.3	1.5	-0.9

Note

Excludes Western Australia.

'Operators' comprises Drivers and Motorcycle riders.

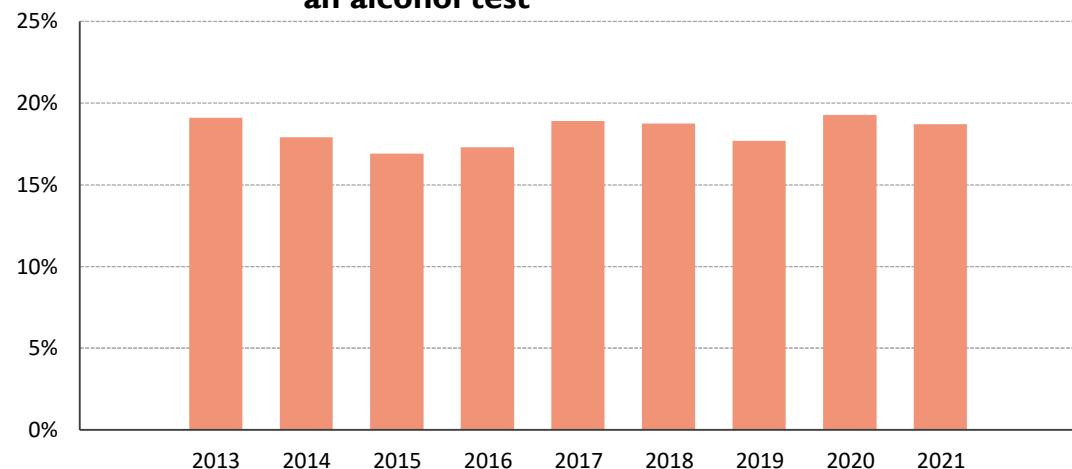
Table I.14**Deaths where an operator failed an alcohol test**

	Yes	Total deaths
2013	149	780
2014	129	720
2015	134	792
2016	140	809
2017	152	804
2018	143	763
2019	134	757
2020	141	731
2021	137	732
Ave. trend change p.a. (%)	-0.1	-0.6

Note

Excludes Western Australia and Victoria.

'Operators' comprises drivers and motorcycle riders.

Figure I.10**Proportion of deaths that involved an operator failing an alcohol test****Table I.15****Deaths by Remoteness Area^a**

	Major Cities	Inner Regional	Outer Regional	Remote	Very Remote	Total ^b
2013	420	399	236	70	56	1,184
2014	377	392	242	60	67	1,150
2015	413	388	283	61	58	1,205
2016	458	427	290	49	69	1,295
2017	431	413	290	45	37	1,223
2018	394	345	276	59	57	1,135
2019	407	377	279	62	60	1,187
2020	378	357	252	46	61	1,097
2021	378	353	264	56	52	1,116
Ave. trend change p.a. (%)	-1.0	-1.7	0.8	-2.4	-1.2	-0.9

a See Glossary.

b Includes undetermined Remoteness Area.

Source ABS 2021

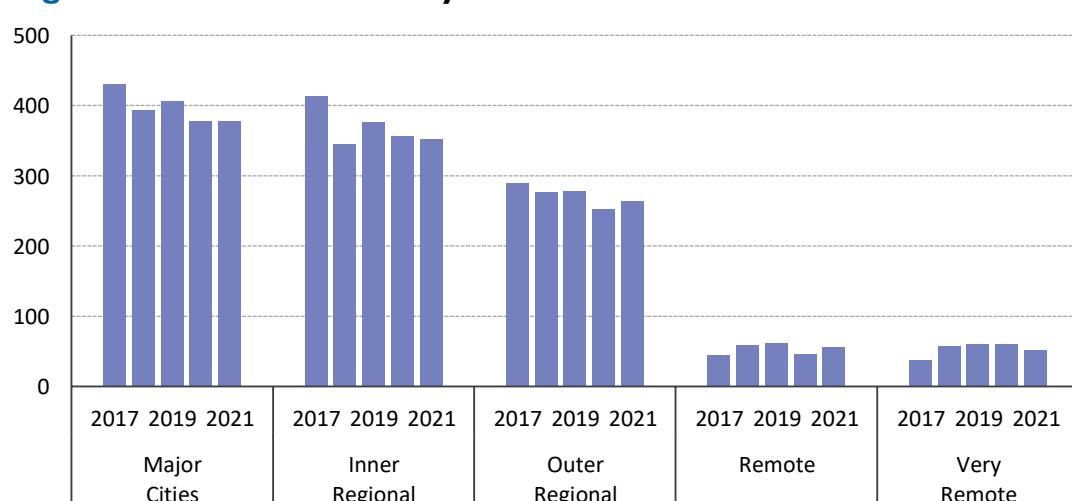
Figure I.11**Deaths by Remoteness Area**

Table 1.16 Deaths by Urban and Non-Urban area^a

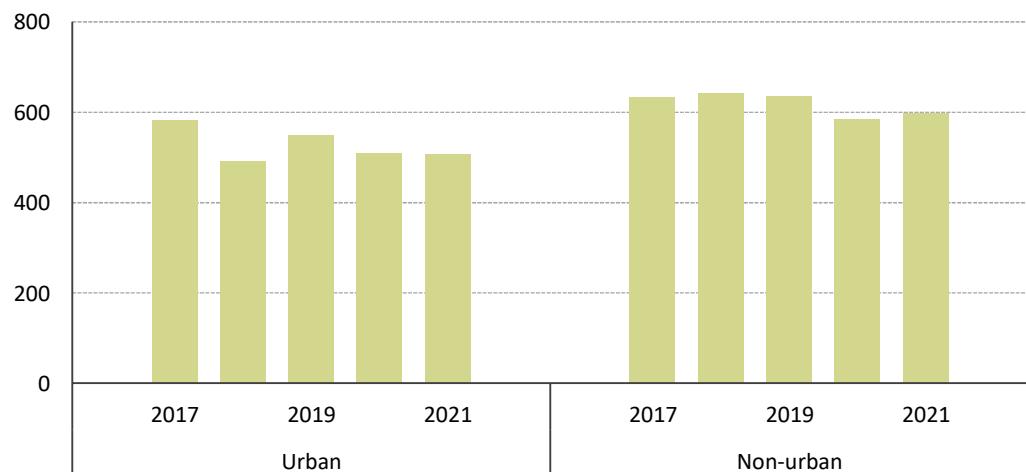
	<i>Urban area</i>	<i>Non-urban area</i>	<i>Total^b</i>
2013	541	640	1,184
2014	518	620	1,150
2015	596	607	1,205
2016	609	684	1,295
2017	583	634	1,223
2018	491	641	1,135
2019	549	636	1,187
2020	510	584	1,097
2021	506	597	1,116

Ave. trend change p.a.(%): -1.1

a See Glossary.

b Includes undetermined Urban Area.

Sources ABS 2021

Figure 1.12 Deaths by Urban and Non-Urban area**Table 1.17 Deaths by road type**

	<i>National or State highway</i>	<i>Arterial</i>	<i>Sub-arterial</i>	<i>Collector road^a</i>	<i>Local</i>	<i>Other^b</i>	<i>Total^c</i>
2013	381	265	176	96	243	17	1,184
2014	342	293	198	78	216	9	1,150
2015	351	319	203	103	217	9	1,205
2016	367	340	232	90	251	12	1,295
2017	338	277	209	106	264	21	1,223
2018	346	260	187	82	224	28	1,135
2019	372	295	169	67	262	15	1,187
2020	321	227	196	83	240	21	1,097
2021	308	238	199	73	261	16	1,116

Ave. trend change p.a.(%): -1.6

a Queensland does not categorise roads with 'Collector road' type.

b Includes Access road, Busway and Pedestrian Thoroughfare.

c Includes deaths in crashes with unknown/undetermined road type.

Sources Geoscape 2020

Figure I.13 Deaths by road type

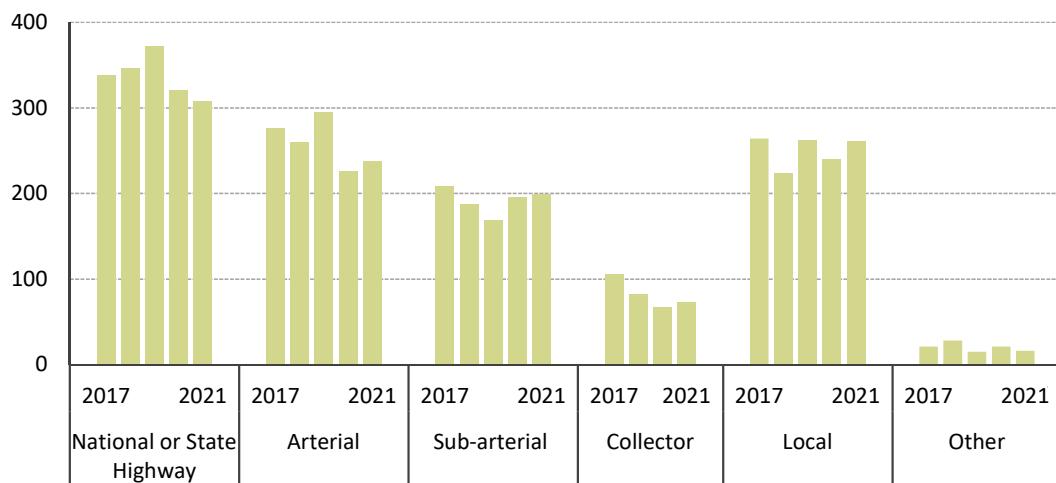


Table I.18 Deaths by weekday/weekend

	Weekday	Weekend
2013	712	474
2014	719	431
2015	730	476
2016	767	527
2017	761	462
2018	675	460
2019	726	460
2020	635	462
2021	703	426
2022	700	494
Ave. trend change p.a. (%)	-0.8	-0.2

Note "Weekend" refers to 6pm Friday through to 6am Monday.

Figure I.14 Proportion of deaths occurring at the weekend, with trend

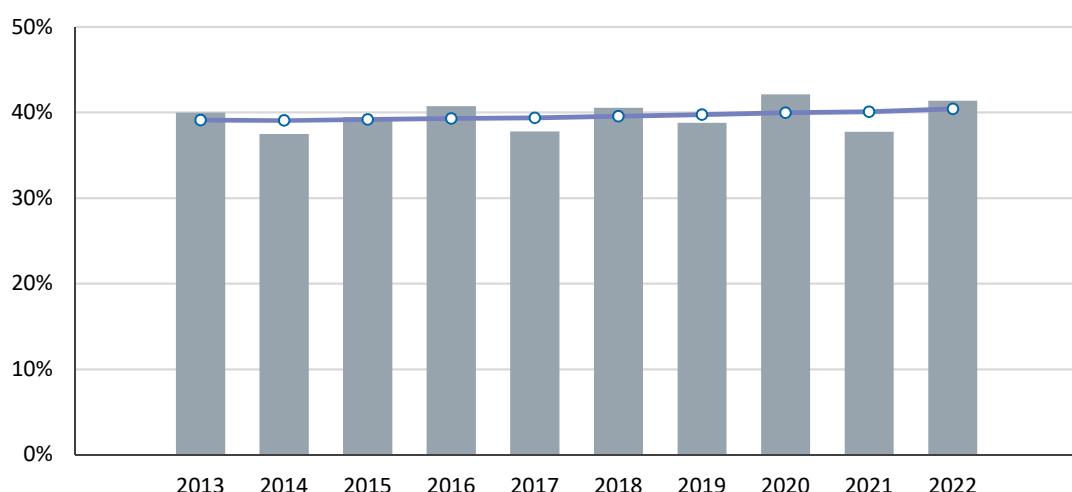
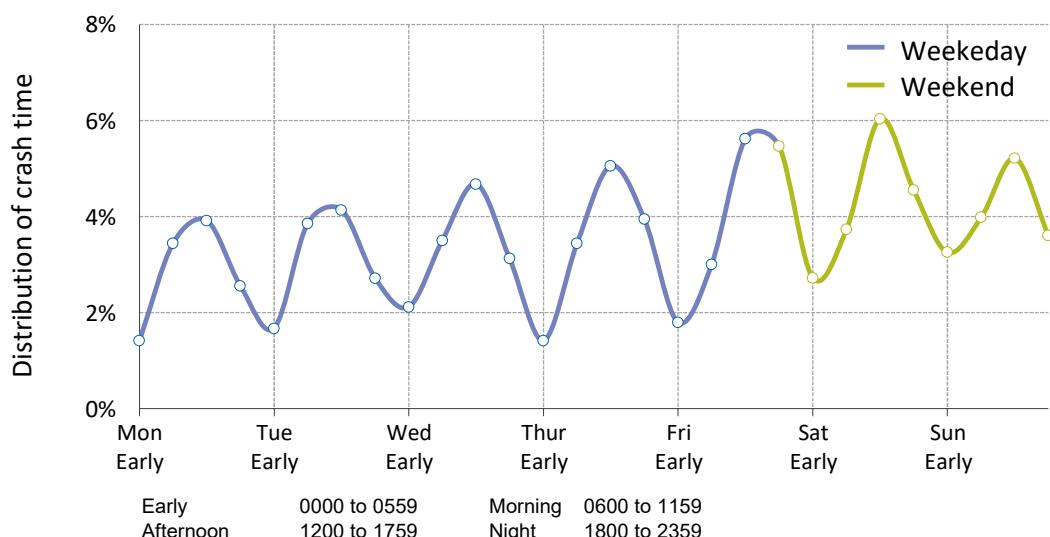


Table I.19 Fatal crashes by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	316	225	246	90	148	35	33	7	1,100
2014	285	223	199	96	172	31	34	10	1,050
2015	326	231	219	96	142	32	42	14	1,102
2016	356	275	238	76	172	33	40	10	1,200
2017	351	240	228	93	152	31	27	5	1,127
2018	326	202	224	75	146	31	42	9	1,055
2019	329	248	196	110	152	29	28	6	1,098
2020	264	195	251	85	137	32	28	6	998
2021	260	213	249	94	158	32	32	11	1,049
2022	275	240	275	68	161	45	40	15	1,119
% change 2021-2022	5.8	12.7	10.4	-27.7	1.9	40.6	25.0	36.4	6.7
Ave. trend change p.a. (%)	-2.0	-0.6	1.6	-1.4	-0.3	1.3	-0.8	1.4	-0.4

Figure I.15**Distribution of time for fatal crashes, 2020-2022 combined**

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Section 2

RATES

Table 2.1 Annual fatality rate per 100,000 population by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4.5	4.2	5.8	5.9	6.5	7.0	15.3	1.8	5.1
2014	4.1	4.2	4.7	6.4	7.2	6.4	16.1	2.6	4.9
2015	4.6	4.2	5.1	6.0	6.3	6.6	20.0	3.8	5.1
2016	4.9	4.7	5.2	5.0	7.6	7.1	18.3	2.5	5.3
2017	5.0	4.1	5.0	5.8	6.2	6.1	12.5	1.2	5.0
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	6.2	14.0	2.4	4.4
2022	3.6	3.7	5.6	3.9	6.3	8.9	18.7	3.9	4.6
% change 2021-2022	5.7	3.6	5.0	-29.0	4.0	44.8	33.5	62.5	4.5
Ave. trend change p.a. (%)	-3.1	-2.7	0.1	-3.0	-1.7	0.6	-1.0	0.5	-1.9
Source	ABS 2023								

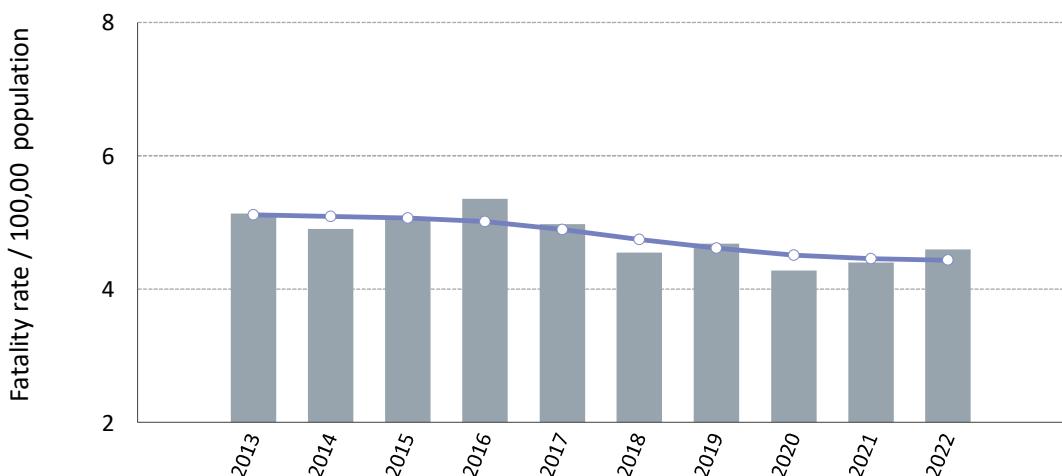
Figure 2.1 Annual fatality rate per 100,000 population, with trend

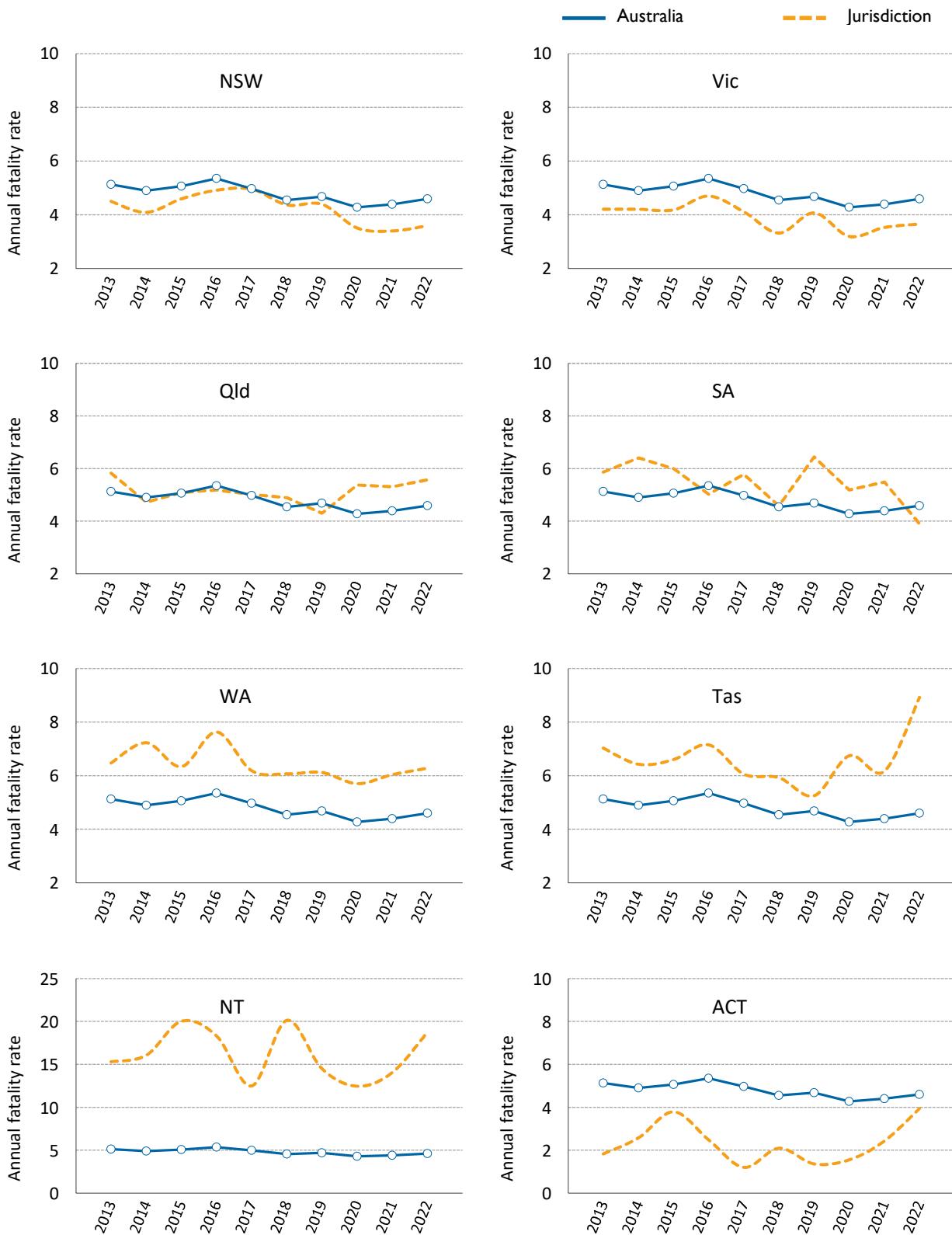
Figure 2.2**Annual fatality rate per 100,000 population by jurisdiction**

Table 2.2 Annual fatality rate per 100,000 population by age group

	0-7 years	8-16 years	17-25 years	26-39 years	40-64 years	65-74 years	≥ 75 years	All deaths ^a
2013	1.3	1.4	8.0	5.3	5.1	6.3	10.6	5.1
2014	1.5	1.1	8.1	5.4	4.8	5.6	8.6	4.9
2015	0.8	1.7	7.7	5.7	5.0	5.9	9.8	5.1
2016	1.0	1.4	9.0	6.0	5.4	4.9	10.4	5.3
2017	0.9	1.0	8.2	4.8	5.1	5.6	11.1	5.0
2018	0.6	1.4	7.5	5.1	4.6	5.1	7.7	4.5
2019	0.6	1.0	7.8	4.9	4.8	4.6	9.7	4.7
2020	0.7	1.3	7.0	5.5	4.2	3.2	7.3	4.3
2021	0.9	1.5	7.4	4.6	4.4	4.7	7.4	4.4
2022	0.6	1.6	8.0	5.1	4.7	4.8	6.8	4.6
% change 2021-2022	-31.7	10.0	7.2	10.2	6.5	2.8	-8.5	4.5
Ave. trend change p.a. (%)	-7.2	0.9	-0.9	-1.2	-1.5	-4.3	-4.2	-1.9

^a Includes cases where age is unknown.
Source ABS 2023

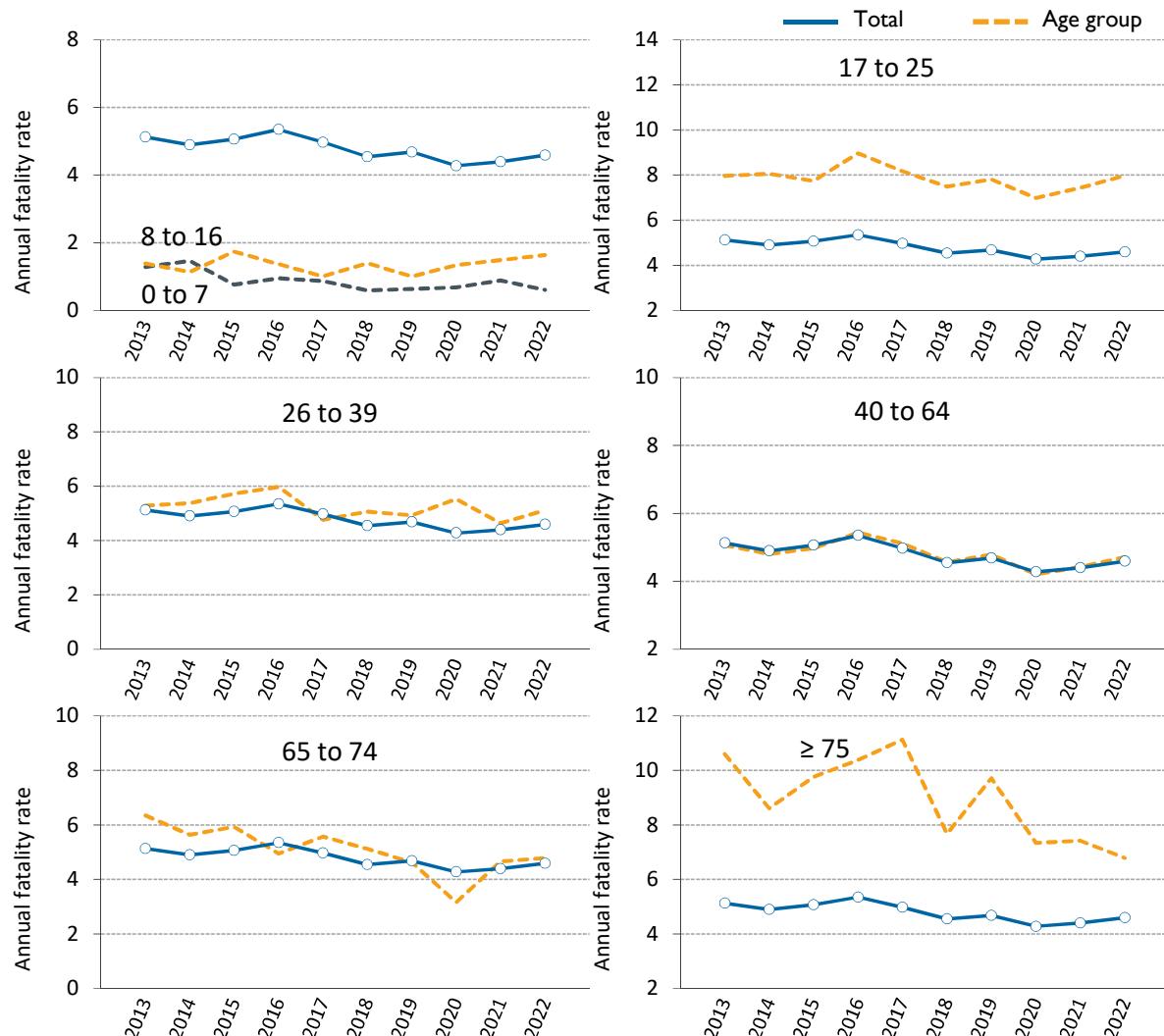
Figure 2.3 Annual fatality rate per 100,000 population by age group

Table 2.3**Annual fatality rate per 100,000 population by Remoteness Area**

	<i>Major Cities</i>	<i>Inner Regional</i>	<i>Outer Regional</i>	<i>Remote</i>	<i>Very Remote</i>	<i>Australia</i>
2013	2.6	9.5	11.7	23.0	26.4	5.1
2014	2.3	9.2	11.9	19.9	32.1	4.9
2015	2.4	9.0	13.9	20.5	28.4	5.1
2016	2.6	9.8	14.2	16.7	34.2	5.4
2017	2.4	9.4	14.1	15.3	18.5	5.0
2018	2.2	7.7	13.4	20.1	28.8	4.5
2019	2.2	8.3	13.4	21.0	30.4	4.7
2020	2.0	7.7	12.1	15.5	31.1	4.3
2021	2.1	7.5	12.6	18.8	26.6	4.3
% change 2021-2022	0.2	-2.5	4.4	21.3	-14.4	1.6
Ave. trend change p.a. (%)	-2.5	-3.1	0.3	-2.2	-0.2	-2.3
Source	ABS 2023b					

Figure 2.4**Annual fatality rate per 100,000 population by Remoteness Area**

Table 2.4 **Vehicle occupants^a – fatality rate per 10,000 registered four-wheeled^b motor vehicles**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	0.4	0.4	0.6	0.5	0.5	0.4	1.4	0.2	0.5
2014	0.4	0.4	0.4	0.6	0.6	0.6	1.4	0.2	0.5
2015	0.4	0.4	0.5	0.5	0.6	0.5	2.0	0.4	0.5
2016	0.5	0.4	0.4	0.5	0.7	0.5	2.3	0.2	0.5
2017	0.5	0.4	0.4	0.4	0.5	0.4	1.3	0.1	0.4
2018	0.4	0.3	0.4	0.4	0.5	0.4	1.7	0.1	0.4
2019	0.4	0.3	0.4	0.5	0.6	0.4	1.9	0.1	0.4
2020	0.3	0.3	0.5	0.5	0.5	0.6	1.5	0.2	0.4
2021	0.3	0.3	0.4	0.4	0.5	0.5	1.3	0.3	0.4
2022	0.3	0.2	0.4	0.3	0.6	0.7	1.8	0.5	0.4
% change 2021-2022	8.9	-18.9	1.7	-27.1	13.0	43.6	38.9	71.8	1.4
Ave. trend change p.a. (%)	-4.3	-5.1	-1.4	-4.4	-0.6	1.5	-0.5	4.6	-2.9

a Comprises drivers and passengers

b Comprises cars, trucks, light commercial vehicles and buses.

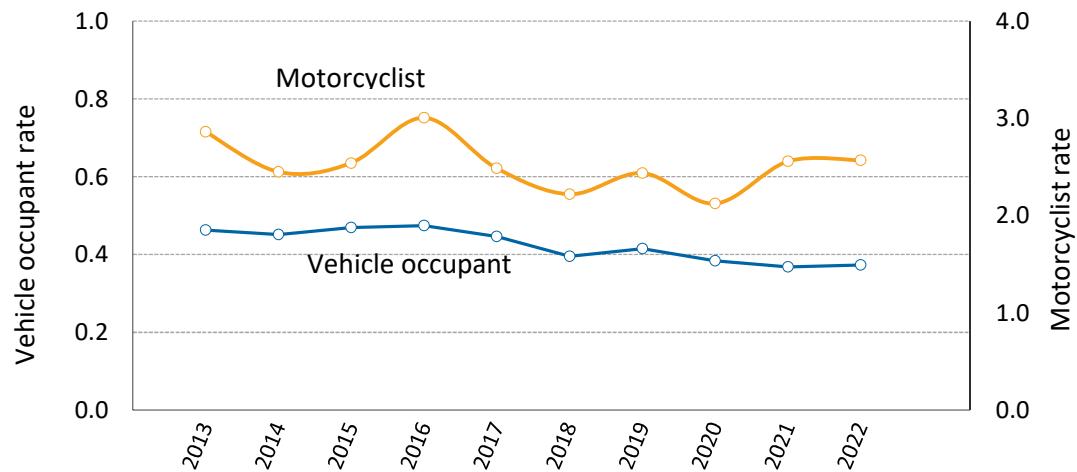
Source ABS 2021a and BITRE 2022

Table 2.5 **Motorcyclists^a – fatality rate per 10,000 registered motorcycles**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	3.6	2.4	2.6	2.4	2.2	6.3	9.0	1.5	2.9
2014	2.8	1.7	2.0	2.1	3.5	1.7	8.7	1.5	2.4
2015	3.0	1.7	2.9	2.1	1.8	5.4	8.4	3.1	2.5
2016	2.9	3.0	3.2	1.5	3.0	5.2	5.8	2.3	3.0
2017	2.5	2.0	2.5	4.4	2.0	5.6	4.5	0.8	2.5
2018	2.2	2.0	2.1	1.8	2.2	4.0	12.2	1.5	2.2
2019	2.7	2.2	2.2	3.1	2.3	3.4	4.9	0.0	2.4
2020	1.9	1.6	2.6	3.4	2.1	2.4	5.2	0.0	2.1
2021	2.3	2.1	3.0	2.8	2.7	4.5	8.1	0.0	2.6
2022	2.0	2.7	3.2	2.1	2.5	5.4	5.0	0.0	2.6
% change 2021-2022	-15.5	32.0	7.6	-24.9	-9.8	19.8	-38.3	0.0	0.4
Ave. trend change p.a. (%)	-5.5	0.7	1.6	2.8	-0.4	-0.1	-4.5	-	-1.4

a Comprises motorcycle riders and pillion passengers.

Source ABS 2021a and BITRE 2022

Figure 2.5**Annual fatality rate per 10,000 registered vehicles****Table 2.6****Vehicle occupants^a— fatality rate per billion four-wheeled motor vehicle – vehicle kilometres travelled (VKT)**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	2.8	2.6	3.8	4.1	3.6	3.4	9.6	1.0	3.2
2014	2.7	2.6	3.1	4.6	4.2	5.1	9.9	1.6	3.1
2015	2.9	2.8	3.1	4.1	4.3	3.7	14.1	2.6	3.3
2016	3.1	2.9	2.7	3.8	4.9	4.3	16.5	1.5	3.3
2017	3.5	2.6	2.9	3.3	3.9	3.4	8.8	0.8	3.2
2018	2.8	1.9	3.0	3.3	3.9	3.5	12.3	1.0	2.8
2019	2.9	2.4	2.8	4.1	4.2	3.5	13.3	1.0	3.0
2020	2.5	2.1	3.5	4.0	4.1	5.5	11.0	1.8	3.0
2021	2.2	2.6	3.3	3.8	3.8	4.4	9.2	2.0	2.9
2022	2.6	2.0	3.5	2.9	4.4	6.6	13.1	3.7	3.1
% change 2021-2022	19.7	-20.7	6.1	-22.7	15.6	50.3	42.4	84.0	5.6
Ave. trend change p.a. (%)	-2.0	-2.7	0.3	-2.5	0.3	3.8	0.4	6.6	-0.9

a Comprises drivers and passengers

b Comprises cars, trucks, light commercial vehicles and buses.

Sources BITRE 2023

Table 2.7 Motorcyclists^a – fatality rate per billion VKT

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	103.6	82.9	73.1	76.1	98.0	203.0	205.4	51.8	91.4
2014	84.6	59.6	58.8	69.0	162.8	55.0	201.0	51.4	80.3
2015	94.7	58.8	84.1	68.5	85.7	181.1	199.1	102.5	85.0
2016	93.0	108.3	94.1	49.2	144.3	178.6	134.2	76.5	101.5
2017	81.1	72.8	75.4	147.5	92.8	194.9	101.4	25.6	85.5
2018	74.7	73.1	65.3	61.2	104.4	140.6	273.1	51.4	77.7
2019	94.5	83.3	68.9	105.5	109.8	123.8	105.7	0.0	87.0
2020	76.7	71.9	93.5	142.2	107.6	106.1	121.6	0.0	87.8
2021	95.3	99.3	107.2	121.9	133.5	182.3	200.6	0.0	107.1
2022	81.5	126.0	113.8	90.5	118.2	216.3	118.0	0.0	106.3
% change 2021-2022	-0.1	0.3	0.1	-0.3	-0.1	0.2	-0.4	0.0	0.0
Ave. trend change p.a. (%)	-1.5	4.7	4.7	6.6	0.4	3.0	-4.3	-	1.8

^a Comprises motorcycle riders and pillion passengers.

Source BITRE 2023

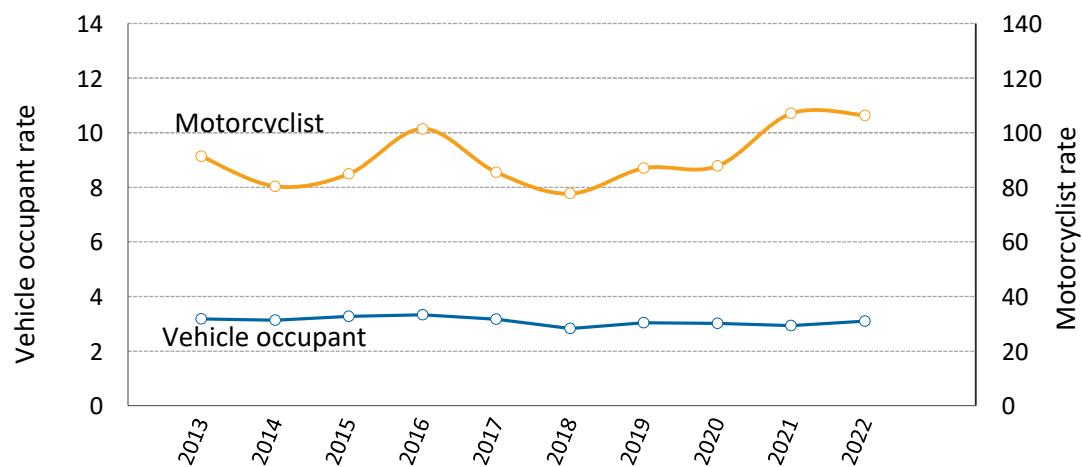
Figure 2.6 Annual fatality rates per billion VKT

Table 2.8**Annual hospitalised injury (HI) and fatality rates**

	<i>Per population</i>		<i>Per registered vehicle</i>		<i>Per VKT</i>	
	HI	Deaths	HI	Deaths	HI	Deaths
2013	151.3	5.1	203.7	6.9	14.5	0.5
2014	151.3	4.9	201.4	6.5	14.5	0.5
2015	155.7	5.1	205.9	6.7	14.9	0.5
2016	161.1	5.3	211.9	7.0	15.5	0.5
2017	160.0	5.0	209.5	6.5	15.4	0.5
2018	158.6	4.5	206.5	5.9	15.4	0.4
2019	157.3	4.7	204.4	6.1	15.5	0.5
2020	-	4.3	-	5.5	-	0.5
2021	-	4.4	-	5.6	-	0.5
2022	-	4.6	-	5.8	-	0.5

Note See Note following Table 1.18.

Sources ABS 2021a, ABS 2023, BITRE 2023 and DITRDC&A 2021

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Section 3

EXPOSURE

Table 3.1 Population (000s) by jurisdiction (June)

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	7,404	5,773	4,653	1,671	2,487	512	242	383	23,128
2014	7,508	5,895	4,720	1,687	2,518	514	243	389	23,476
2015	7,616	6,022	4,778	1,701	2,541	515	245	396	23,816
2016	7,733	6,173	4,845	1,713	2,556	518	246	403	24,191
2017	7,851	6,300	4,928	1,730	2,588	528	248	417	24,594
2018	7,946	6,418	5,011	1,748	2,621	540	248	430	24,967
2019	8,034	6,531	5,095	1,770	2,664	552	248	441	25,340
2020	8,094	6,606	5,175	1,794	2,718	564	249	451	25,655
2021	8,094	6,548	5,218	1,803	2,750	568	249	454	25,688
2022	8,156	6,620	5,327	1,822	2,788	572	251	457	25,996
Ave. trend change p.a. (%)	1.1	1.6	1.5	1.0	1.3	1.4	0.4	2.2	1.3
Source	ABS 2023								

Table 3.2 Population (000s) by age group (June)

	0-7	8-16	17-25	26-39	40-64	65-74	≥ 75	All
2013	2,419	2,527	2,887	4,595	7,370	1,859	1,471	23,128
2014	2,457	2,552	2,912	4,667	7,446	1,932	1,510	23,476
2015	2,485	2,587	2,934	4,751	7,505	2,007	1,548	23,816
2016	2,518	2,630	2,955	4,855	7,561	2,083	1,589	24,191
2017	2,531	2,678	2,986	4,979	7,633	2,153	1,635	24,594
2018	2,528	2,730	3,017	5,090	7,696	2,227	1,680	24,967
2019	2,524	2,786	3,034	5,194	7,771	2,291	1,740	25,340
2020	2,506	2,842	2,977	5,266	7,879	2,373	1,812	25,655
2021	2,474	2,883	2,849	5,237	7,932	2,427	1,887	25,688
2022	2,470	2,926	2,884	5,280	8,002	2,444	1,989	25,996
Ave. trend change p.a. (%)	0.2	1.7	0.0	1.7	0.9	3.2	3.3	1.3
Source	ABS 2023							

Table 3.3 Population (000s) by Remoteness Area (June)

	Major Cities	Inner Regional	Outer Regional	Remote	Very Remote	Australia
2013	16,384	4,208	2,019	304	212	23,128
2014	16,682	4,254	2,029	301	209	23,476
2015	16,982	4,296	2,036	298	204	23,816
2016	17,312	4,343	2,041	293	202	24,191
2017	17,670	4,391	2,048	292	201	24,602
2018	17,996	4,444	2,051	291	200	24,983
2019	18,320	4,500	2,055	291	200	25,366
2020	18,583	4,556	2,063	291	201	25,693
2021	18,572	4,608	2,067	291	201	25,738
2022	18,776	4,622	2,100	302	196	25,996
Ave. trend change p.a. (%)	1.6	1.1	0.3	-0.3	-0.7	1.4
Source	ABS 2023b					

Table 3.4**Registrations (000s) of four-wheeled motor vehicles by jurisdiction**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4,785	4,214	3,432	1,248	1,935	420	142	261	16,436
2014	4,891	4,309	3,524	1,274	2,019	425	145	266	16,853
2015	5,025	4,388	3,584	1,295	2,058	432	148	270	17,201
2016	5,145	4,496	3,661	1,311	2,080	439	151	275	17,558
2017	5,271	4,609	3,748	1,332	2,091	450	149	282	17,932
2018	5,374	4,731	3,841	1,355	2,106	461	156	289	18,313
2019	5,454	4,835	3,927	1,374	2,121	473	156	296	18,635
2020	5,524	4,921	3,995	1,390	2,156	486	155	298	18,924
2021	5,681	4,976	4,119	1,425	2,186	485	157	304	19,334
2022	5,765	5,064	4,232	1,458	2,242	500	159	310	19,730
Ave. trend change p.a. (%)	2.1	2.1	2.3	1.6	1.3	2.1	1.2	2.0	2.0

Table 3.5**Registrations (000s) of motorcycles by jurisdiction**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	200	169	174	51	114	17	7	13	745
2014	211	174	182	52	123	18	7	13	780
2015	222	179	187	53	127	19	7	13	807
2016	229	185	193	54	129	19	7	13	829
2017	238	189	200	54	128	20	7	13	849
2018	244	192	204	54	126	20	7	13	861
2019	248	196	208	55	123	20	6	13	870
2020	255	198	210	55	123	21	6	13	881
2021	273	203	225	61	125	20	6	14	927
2022	282	209	231	63	126	21	6	14	950
Ave. trend change p.a. (%)	3.6	2.2	3.0	2.0	0.4	1.8	-1.9	0.4	2.5

Table 3.6**Registrations (000s) of all vehicles by jurisdiction**

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	4,985	4,384	3,606	1,298	2,048	437	149	274	17,181
2014	5,102	4,483	3,705	1,326	2,142	443	152	279	17,633
2015	5,247	4,567	3,771	1,348	2,185	450	155	284	18,008
2016	5,374	4,681	3,854	1,365	2,209	458	158	288	18,387
2017	5,509	4,798	3,948	1,386	2,219	469	155	296	18,781
2018	5,618	4,923	4,045	1,409	2,232	481	163	303	19,173
2019	5,702	5,031	4,134	1,429	2,245	493	162	309	19,505
2020	5,779	5,120	4,205	1,445	2,279	506	160	311	19,805
2021	5,953	5,179	4,344	1,486	2,311	506	163	318	20,261
2022	6,047	5,273	4,463	1,520	2,368	520	165	324	20,680

Ave. trend change p.a. (%) 2.1 2.1 2.3 1.7 1.3 2.0 1.0 1.9 2.0

Note 'All vehicles' includes Campervans, which are not included in the 4-Wheeled category in Table 5.4.

Table 3.7 VKT (millions) for four-wheeled motor vehicles by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	71,951	61,654	50,664	16,305	26,703	5,272	2,085	3,810	238,443
2014	73,124	62,963	51,447	16,680	27,314	5,312	2,111	3,867	242,819
2015	74,298	63,966	52,269	16,867	27,733	5,345	2,127	3,911	246,515
2016	75,257	64,719	53,041	16,986	28,092	5,348	2,128	3,941	249,511
2017	76,343	65,807	53,601	17,088	28,136	5,356	2,152	3,988	252,472
2018	77,191	66,836	54,186	17,221	28,202	5,460	2,192	4,037	255,324
2019	76,791	67,194	54,012	16,952	28,104	5,464	2,182	4,020	254,718
2020	71,165	63,367	51,871	16,163	27,142	5,136	2,097	3,810	240,751
2021	73,412	58,299	54,704	16,599	28,139	5,261	2,176	3,985	242,575
2022	67,793	60,723	53,854	16,021	28,222	5,175	2,139	3,791	237,717
Ave. trend change p.a. (%)	-0.4	-0.4	0.6	-0.2	0.4	-0.2	0.3	0.1	-0.0

Table 3.8 VKT (millions) for motorcycles by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	685	495	616	158	255	54	29	39	2,330
2014	697	504	629	159	264	55	30	39	2,377
2015	708	510	642	161	268	55	30	39	2,413
2016	721	517	659	163	270	56	30	39	2,454
2017	727	522	663	163	269	56	30	39	2,469
2018	723	520	658	163	268	57	29	39	2,458
2019	720	516	653	161	264	57	28	38	2,437
2020	626	445	578	134	242	47	25	33	2,129
2021	661	423	625	139	255	49	25	34	2,212
2022	675	452	650	144	262	51	25	35	2,294
Ave. trend change p.a. (%)	-0.7	-1.6	-0.1	-1.6	-0.4	-1.2	-2.2	-1.6	-0.8

Table 3.9 VKT (millions) for all vehicles by jurisdiction

	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2013	72,636	62,149	51,280	16,463	26,958	5,326	2,114	3,848	240,773
2014	73,821	63,467	52,076	16,840	27,578	5,367	2,141	3,906	245,196
2015	75,006	64,476	52,910	17,027	28,001	5,400	2,157	3,950	248,928
2016	75,977	65,236	53,699	17,149	28,363	5,404	2,157	3,980	251,965
2017	77,070	66,328	54,264	17,251	28,406	5,412	2,182	4,027	254,940
2018	77,914	67,356	54,844	17,384	28,470	5,517	2,221	4,075	257,781
2019	77,510	67,710	54,665	17,113	28,368	5,521	2,210	4,058	257,155
2020	71,791	63,812	52,449	16,296	27,384	5,183	2,122	3,844	242,880
2021	74,074	58,722	55,329	16,738	28,394	5,310	2,201	4,019	244,787
2022	68,468	61,176	54,504	16,164	28,484	5,225	2,164	3,826	240,011
Ave. trend change p.a. (%)	-0.4	-0.4	0.6	-0.3	0.4	-0.2	0.2	0.0	-0.1

Source BITRE 2023

Glossary

The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some fields.

<i>BAC</i>	Blood alcohol concentration (BAC) refers to the amount of alcohol present in the bloodstream.
<i>Crash</i>	Any apparently unpremeditated event reported to police, or other relevant authority, and resulting in death, injury or property damage attributable to the movement of a road vehicle on a public road.
<i>DCA/RUM codes</i>	A system of classifying crashes according to the movements of key vehicles and road users. See Austroads 2009.
<i>Fatal crash</i>	A crash for which there is at least one death.
<i>Hospitalised injury</i>	A person admitted to hospital from a crash occurring ‘in traffic’. Traffic area exclude off-road and unknown locations.
<i>Remoteness area</i>	ABS Remoteness Areas divide Australia into 5 classes of remoteness on the basis of a measure of relative access to services. See ABS 2018.
<i>Road death or fatality</i>	A person who dies within 30 days of a crash as a result of injuries received in that crash.
<i>Trend changes</i>	The ‘average trend changes p.a.(%)’ are calculated by fitting an exponential trend line to the last ten data points. The Excel function LOGEST performs the fit. The resulting trend line represents a constant annual percent change over the period. Note: The occurrence of a zero in the original series precludes trend estimation by this method.
<i>Trend lines</i>	Trend lines are estimated by Whittaker-Henderson methodology. The R package 'pracma' is used to perform the smoothing.
<i>Urban area</i>	ABS Significant Urban Areas represent aggregations of whole Statistical Area Level 2 (SA2) boundaries and are used to define and contain major urban and near-urban concentrations of over 10,000 people. See ABS 2018.

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