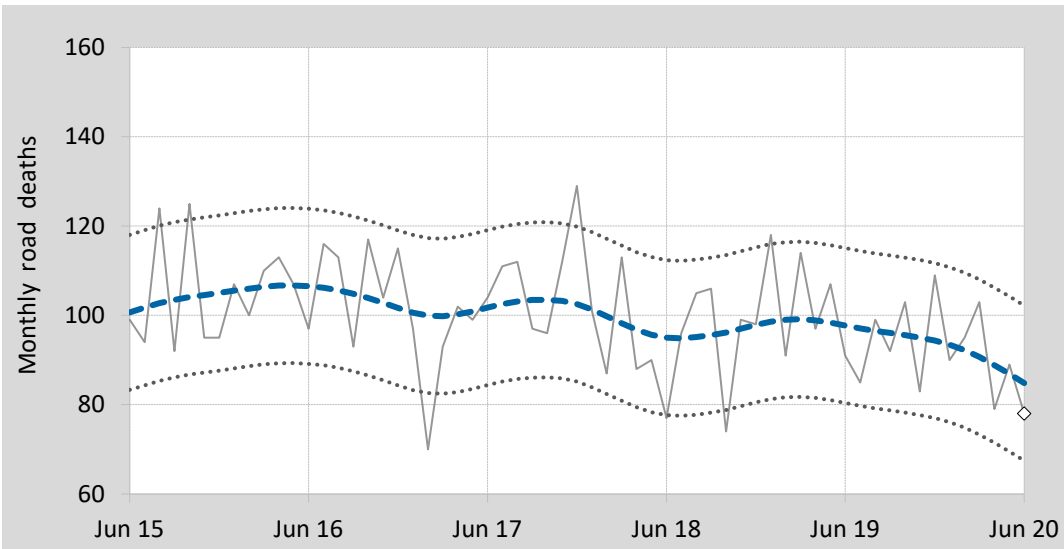




### This month's key figures

- There was a total of 78 road deaths during the month of June 2020. The current figure is 16.7 per cent lower than the average for June over the previous five years.
- Comparing the three months April, May and June in 2020 with the average over the previous five years, deaths in ages between 26 and 64 years decreased by -1%. In the younger ages (0-25) deaths decreased by 28% and in the 65+ age groups, deaths decreased by 45%.
- The same comparison of deaths by road user type shows the greatest reduction occurred in passenger deaths (-27%). Driver deaths (-23%) also decreased as did pedestrian deaths (-20%). In contrast, deaths of motorcyclists (+2%) and deaths of pedal cyclists (+83%) increased.

### 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, Transport and Regional Economics  
 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 1.1** Current month

Current month	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
June 2019	26	18	15	8	17	3	2	2	91
June 2020	19	15	25	4	12	0	3	0	78
Per cent change	-26.9	-16.7	66.7	-50.0	-29.4	-100.0	50.0	0.0	-14.3

**Table 1.2** Year to date

Year to date	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
January 2019 - June 2019	181	150	99	61	93	16	15	3	618
January 2020 - June 2020	151	116	117	50	70	17	11	2	534
Per cent change	-16.6	-22.7	18.2	-18.0	-24.7	6.3	-26.7	-33.3	-13.6

**Table 1.3** Year ending June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	387	265	244	97	169	41	44	12	1,259
2017	355	267	251	82	181	32	44	11	1,223
2018	386	238	246	99	164	31	42	7	1,213
2019	358	263	227	103	170	32	37	6	1,196
2020	326	232	237	103	140	30	32	5	1,105
Latest per cent change	-8.9	-11.8	4.4	0.0	-17.6	-6.3	-13.5	-16.7	-7.6
Average trend change per year (per cent)	-3.3	-2.8	-1.6	3.5	-4.3	-6.1	-7.8	-21.0	-2.8

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

**Table 2.1** By road user

12 months ended June	Driver	Passenger	Pedestrian	Motorcyclist <sup>b</sup>	Pedal <sup>a</sup> cyclist	Total <sup>b</sup>
2016	600	225	167	230	35	1,259
2017	569	213	168	242	25	1,223
2018	569	220	180	191	44	1,213
2019	554	223	174	205	34	1,196
2020	528	184	149	194	48	1,105
Latest per cent change	-4.7	-17.5	-14.4	-5.4	41.2	-7.6
Average trend change per year (per cent)	-2.8	-3.5	-1.9	-4.9	9.8	-2.8

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

12 months ended June	0 to 16	17 to 25	26 to 39	40 to 64	65 to 74	≥ 75	Total <sup>b</sup>
2016	55	224	278	418	116	168	1,259
2017	64	258	271	375	101	154	1,223
2018	38	242	242	394	129	167	1,213
2019	56	228	259	374	114	162	1,196
2020	49	220	278	336	82	135	1,105
Latest per cent change	-12.5	-3.5	7.3	-10.2	-28.1	-16.7	-7.6
Average trend change per year (per cent)	-3.6	-1.6	-0.5	-4.3	-5.6	-3.8	-2.8

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

**Table 2.3** By gender

12 months ended June	Males	Females	Total <sup>c</sup>
2016	920	339	1,259
2017	901	321	1,223
2018	896	317	1,213
2019	898	297	1,196
2020	831	270	1,105
<i>Latest per cent change</i>	-7.5	-9.1	-7.6
<i>Average trend change per year (per cent)</i>	-2.0	-5.2	-2.8

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 June

12 months ended June	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2016	5.04	4.35	5.08	5.69	6.63	7.95	18.03	3.01	5.25
2017	4.55	4.28	5.14	4.77	7.06	6.16	17.87	2.70	5.01
2018	4.87	3.73	4.96	5.73	6.35	5.91	17.01	1.68	4.90
2019	4.45	4.03	4.49	5.91	6.52	6.02	15.06	1.42	4.75
2020	4.01	3.49	4.62	5.85	5.30	5.59	13.07	1.17	4.33
<i>Latest per cent change</i>	-10.0	-13.4	2.8	-0.9	-18.7	-7.2	-13.2	-17.5	-8.9
<i>Average trend change per year (per cent)</i>	-4.7	-4.9	-3.2	2.8	-5.1	-7.0	-7.8	-22.4	-4.3

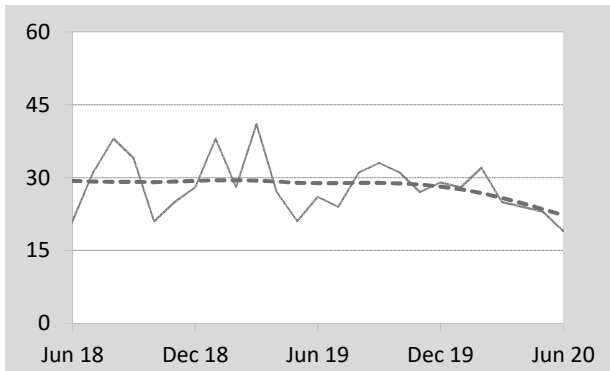
**Table 3.2** Calendar year period

Calendar year	NSW	Vic	Qld	SA	WA	Tas	NT	ACT	Australia
2015	4.60	4.18	5.09	6.00	6.26	6.60	20.03	3.79	5.06
2016	4.91	4.70	5.18	5.02	7.55	7.15	18.32	2.48	5.34
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	4.40	4.03	4.30	6.51	6.22	5.42	14.63	1.41	4.69
<i>Latest per cent change</i>	1.3	22.4	-12.1	41.2	2.1	-10.4	-27.7	-34.2	3.3

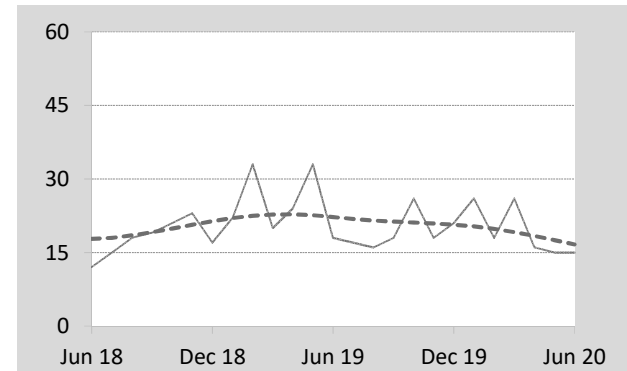
#### 4. Monthly deaths by jurisdiction — last 24 months

— raw  
 - - - smoothed  
 (Whittaker-Henderson)

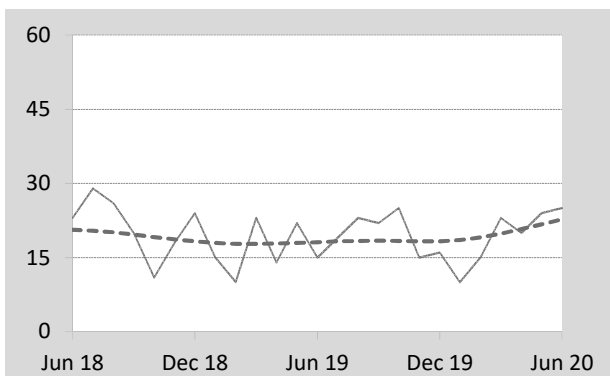
**Figure 4.1 NSW**



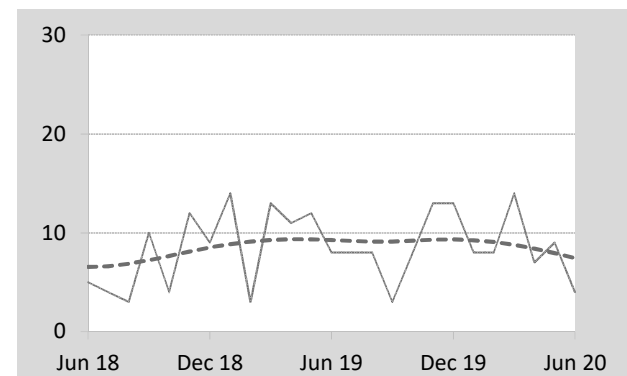
**Figure 4.2 Vic**



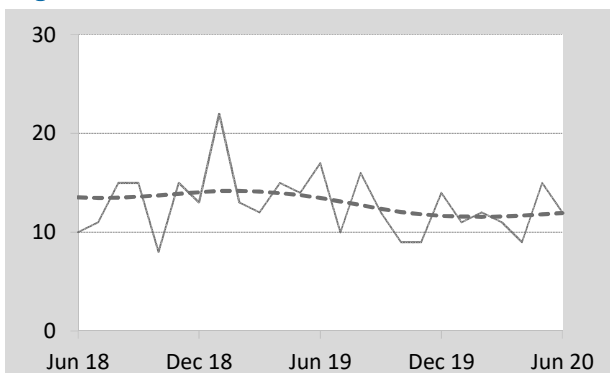
**Figure 4.3 Qld**



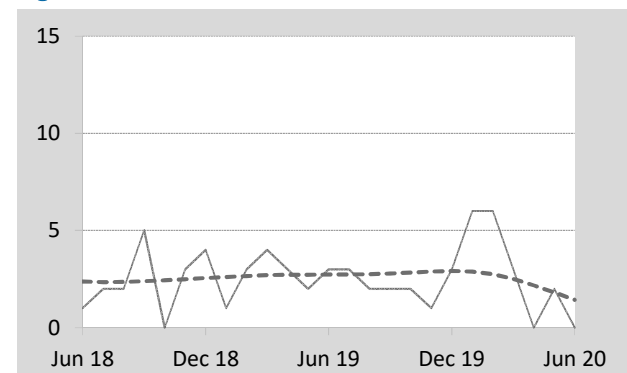
**Figure 4.4 SA**



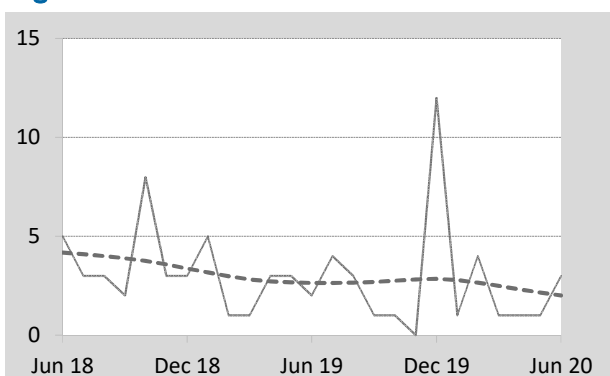
**Figure 4.5 WA**



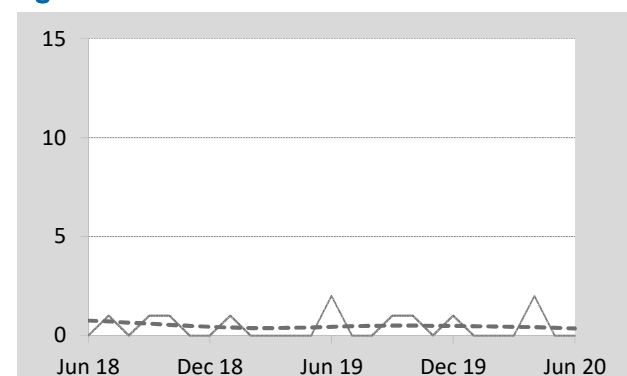
**Figure 4.6 Tas**



**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 <sup>a</sup>		Posted speed limit						Total <sup>b</sup>
	Single	Multiple	≤ 40	50	60	70 to 90	100	≥ 110	
2016	652	491	14	129	213	273	364	154	1,157
2017	627	502	28	125	204	273	358	145	1,142
2018	626	482	29	151	216	237	335	148	1,124
2019	661	427	18	127	189	229	357	173	1,103
2020	582	421	17	139	161	231	295	125	1,013
Latest per cent change	-12.0	-1.4	-5.6	9.4	-14.8	0.9	-17.4	-27.7	-8.2
Average trend change per year (per cent)	-1.7	-4.6	-0.5	1.7	-6.2	-5.0	-4.1	-2.4	-3.0

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

12 months ended June	Day of week <sup>c</sup>		Time of day <sup>d</sup>	
	Weekday	Weekend	Day	Night
2016	728	429	725	432
2017	705	437	696	446
2018	675	449	698	426
2019	681	422	677	426
2020	631	382	621	392
Latest per cent change	-7.3	-9.5	-8.3	-8.0
Average trend change per year (per cent)	-3.2	-2.6	-3.3	-2.4

a 'Single' and 'Multiple' refer to the number of vehicles involved in a fatal crash where there is no pedestrian killed.

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 September 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

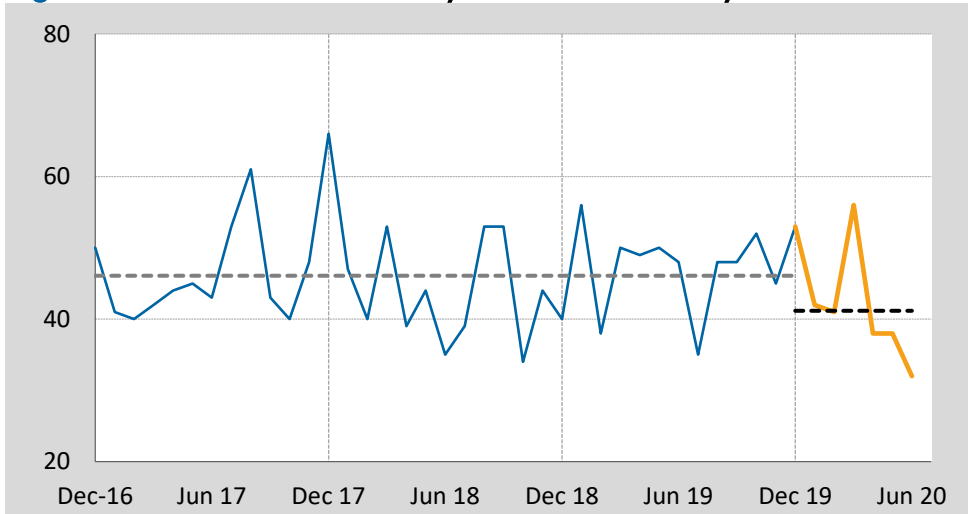
The underlying database used to produce this bulletin — *the Australian Road Deaths Database* is available for data extraction at <[http://www.bitre.gov.au/statistics/safety/fatal\\_road\\_crash\\_database.aspx](http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx)>.

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

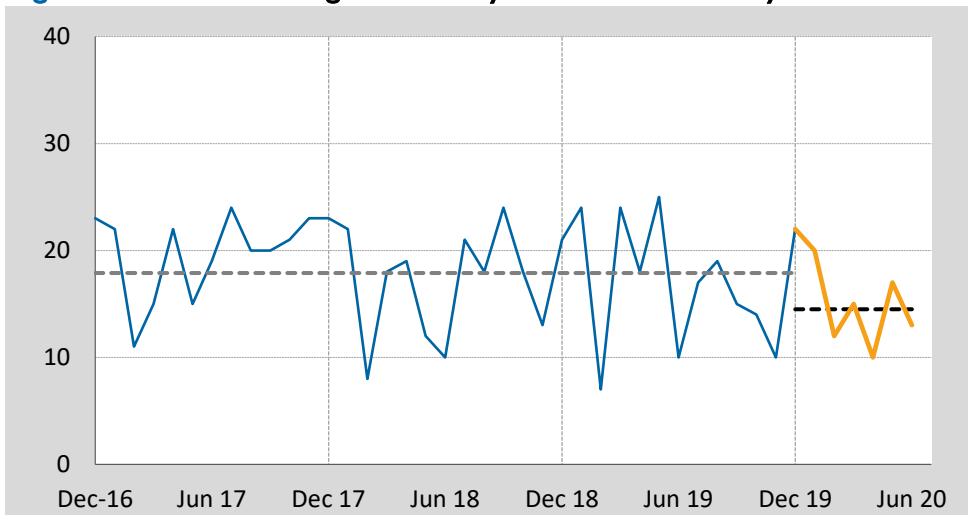
## 6. Supplementary data — Covid shutdown 2020

This month's supplementary section presents a more detailed graphical analysis of deaths in 2020. In each chart, the monthly averages are highlighted.

**Figure 6.1** Driver deaths by month—last three years



**Figure 6.2** Passenger deaths by month—last three years



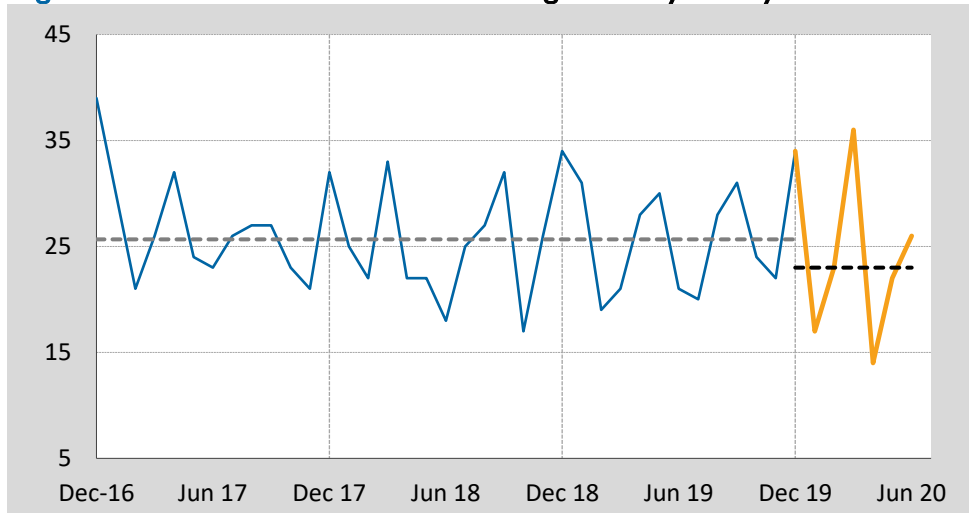
**Figure 6.3** Vulnerable<sup>a</sup> roaduser deaths by month—last three years



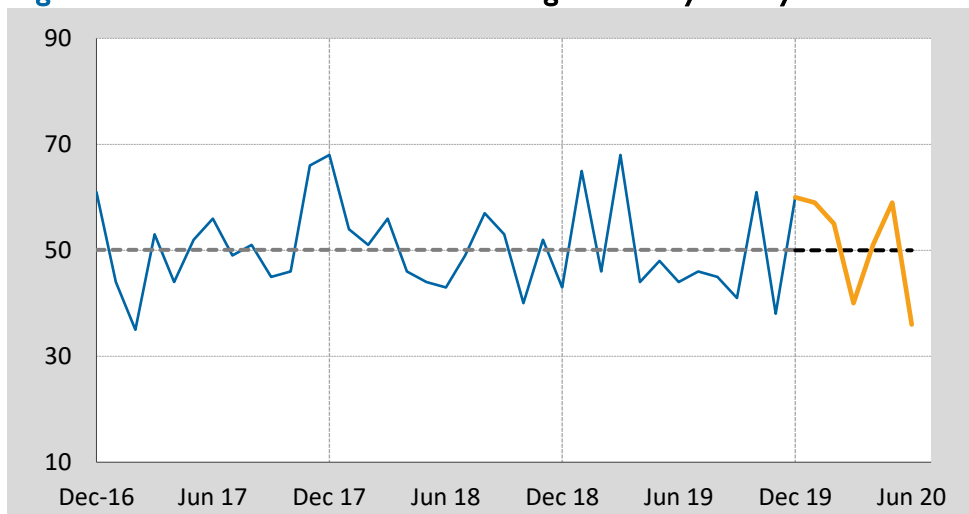
<sup>a</sup> Pedestrians, motorcyclists and pedal cyclists.

6. Supplementary data — Covid shutdown 2020 (continued)

**Figure 6.4** Deaths of road users aged 0-25 years by month—last three years



**Figure 6.5** Deaths of road users aged 26-64 years by month—last three years



**Figure 6.6** Deaths of road users aged 65 years and over by month—last three years

