

## ROAD SAFETY IN THE YORKE AND MID-NORTH REGION

A report of road crashes in the Yorke and Mid-North Region 2015-2019

### Road Trauma in South Australia

The annual number of lives lost on road and serious injuries is traditionally used as an indicator of road safety in South Australia. The South Australian Road Safety Strategy 2020 – *Towards Zero Together* has a target to reduce lives lost and serious injuries by at least 30% by 2020.

There were 114 lives lost recorded on South Australian roads in 2019. This is 34 more than the 80 lives lost recorded in 2018 and is 19 more than the previous 5 year average (2014 – 2018) of 95 lives lost.

Serious injuries have increased from 576 in 2018 to 833 in 2019, the highest recorded total of serious injuries in a given year. The number is also 24% higher than the previous 5 year average (2014–2018) of 672 serious injuries per year.

### Road Trauma in the Yorke and Mid-North Region

Each year on average nine people lost their life and 32 are seriously injured on roads in the Yorke and Mid-North region. Residents of the region represent 1% of the total population of South Australia and account for 13% of fatalities in South Australia and 7% of all serious injuries.

Table 1 shows the number and percentage of casualty crashes in 2015-2019 by district council.

**Table 1 –Casualty crashes, Yorke and Mid-North Councils, South Australia, 2015-2019**

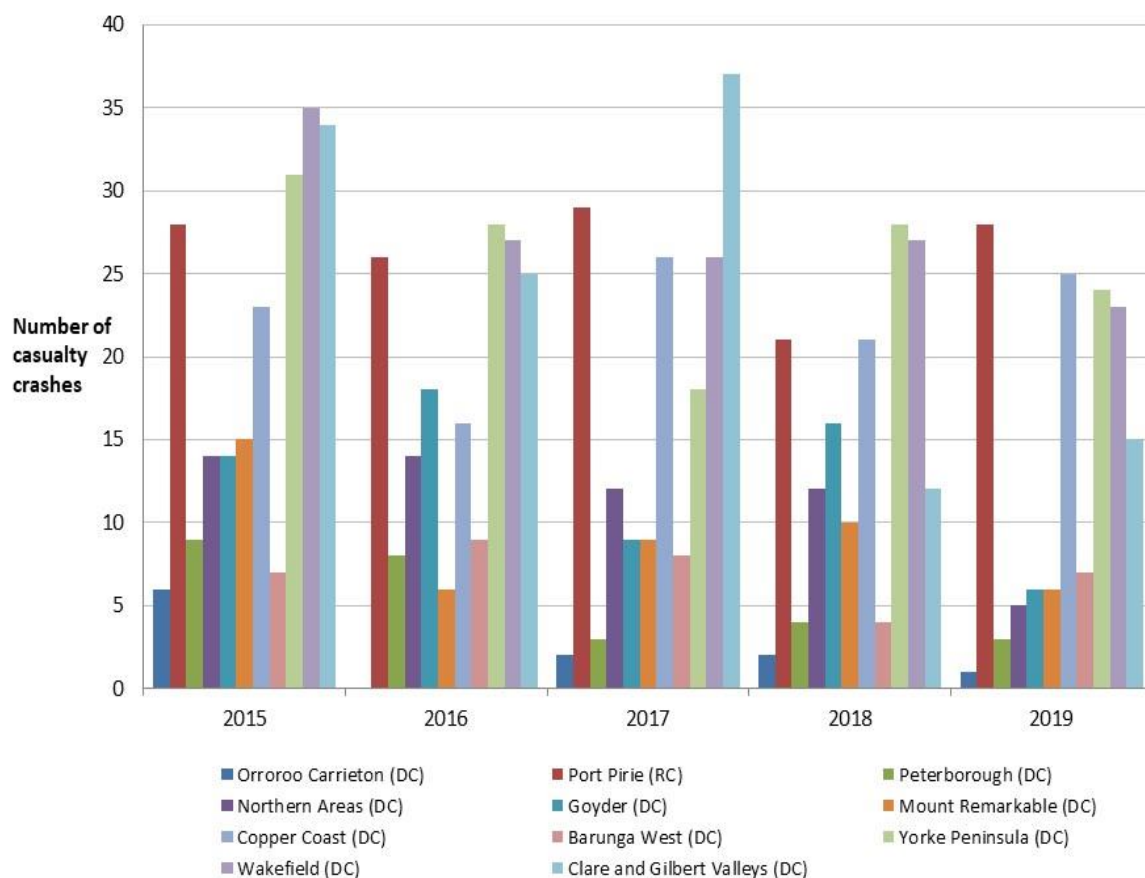
Local Government Areas	Fatal crashes (%) <sup>1</sup>	Serious crashes (%) <sup>1</sup>	Minor crashes (%) <sup>1</sup>	Total
Orroroo Carrieton (DC)	1 (2%)	3 (2%)	7 (1%)	<b>11 (1%)</b>
Port Pirie (RC)	8 (15%)	22 (11%)	102 (16%)	<b>132 (15%)</b>
Peterborough (DC)	0 (0%)	11 (6%)	16 (3%)	<b>27 (3%)</b>
Northern Areas (DC)	0 (0%)	17 (9%)	40 (6%)	<b>57 (7%)</b>
Goyder (DC)	6 (12%)	22 (11%)	35 (6%)	<b>63 (7%)</b>
Mount Remarkable (DC)	3 (6%)	7 (4%)	36 (6%)	<b>46 (5%)</b>
Copper Coast (DC)	3 (6%)	14 (7%)	94 (15%)	<b>111 (13%)</b>
Barunga West (DC)	2 (4%)	11 (6%)	22 (4%)	<b>35 (4%)</b>
Yorke Peninsula (DC)	8 (15%)	30 (16%)	91 (15%)	<b>129 (15%)</b>
Wakefield (DC)	14 (27%)	33 (17%)	91 (15%)	<b>138 (16%)</b>
Clare and Gilbert Valleys (DC)	7 (13%)	23 (12%)	93 (15%)	<b>123 (14%)</b>
<b>TOTAL</b>	<b>52</b>	<b>193</b>	<b>627</b>	<b>872</b>

<sup>1</sup> Percentages are rounded and made up to a total of 100%

There was a total of 872 casualty crashes in the Yorke and Mid-North region in the 5 years 2015 – 2019. Wakefield District Council recorded the highest number of casualty crashes in the region and also saw the most fatal crashes in the last 5 years.

Figure 1 and Table 2 shows the contribution of each council to the overall number of casualty crashes by year in the Yorke and Mid-North Region for the last 5 years.

**Figure 1 – Number of casualty crashes, 2015-2019**



**Table 2 – Number of casualty crashes, 2015-2019**

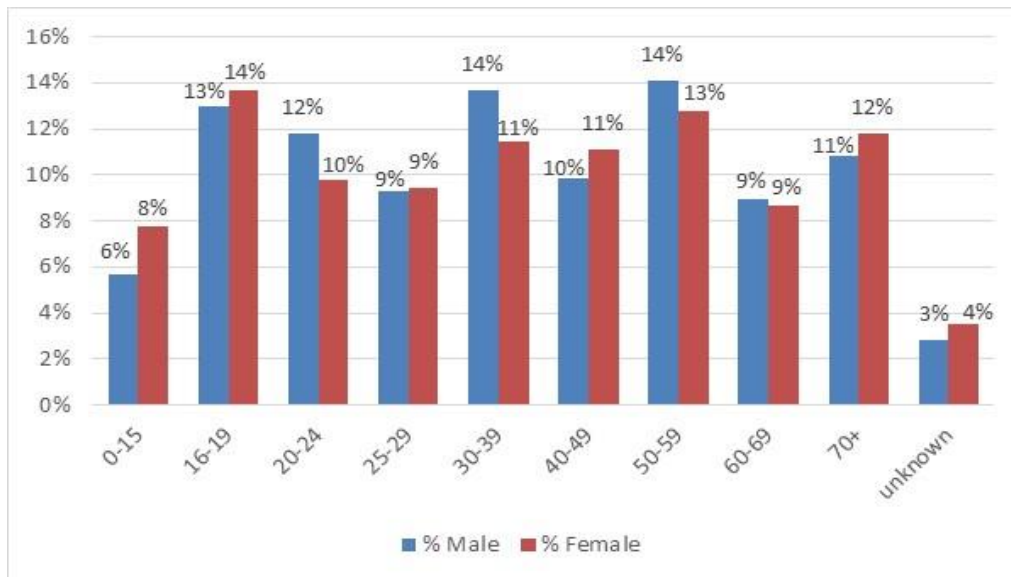
Local Government Areas	2015	2016	2017	2018	2019	Total
Orroroo Carrieton (DC)	6	0	2	2	1	<b>11 (1%)</b>
Port Pirie (RC)	28	26	29	21	28	<b>132 (15%)</b>
Peterborough (DC)	9	8	3	4	3	<b>27 (3%)</b>
Northern Areas (DC)	14	14	12	12	5	<b>57 (7%)</b>
Goyder (DC)	14	18	9	16	6	<b>63 (7%)</b>
Mount Remarkable (DC)	15	6	9	10	6	<b>46 (5%)</b>
Copper Coast (DC)	23	16	26	21	25	<b>111 (13%)</b>
Barunga West (DC)	7	9	8	4	7	<b>35 (4%)</b>
Yorke Peninsula (DC)	31	28	18	28	24	<b>129 (15%)</b>
Wakefield (DC)	35	27	26	27	23	<b>138 (16%)</b>
Clare and Gilbert Valleys (DC)	34	25	37	12	15	<b>123 (14%)</b>
<b>TOTAL</b>	<b>216</b>	<b>177</b>	<b>179</b>	<b>157</b>	<b>143</b>	<b>872</b>

Table 3 shows the contribution of each council to the overall number of casualties as opposed to crashes in the Yorke and Mid-North Region. There were 1,249 casualties as a result of the 872 casualty crashes in the Yorke and Mid-North region.

**Table 3 - Number of casualties (fatalities, serious and minor injuries), 2015-2019**

Local Government Areas	2015	2016	2017	2018	2019	Total
Orroroo Carrieton (DC)	7	0	2	4	1	<b>14 (1%)</b>
Port Pirie (RC)	44	44	37	23	42	<b>190 (15%)</b>
Peterborough (DC)	16	10	4	5	3	<b>38 (3%)</b>
Northern Areas (DC)	20	21	14	20	7	<b>82 (7%)</b>
Goyder (DC)	20	25	14	21	12	<b>92 (7%)</b>
Mount Remarkable (DC)	15	8	15	20	13	<b>71 (6%)</b>
Copper Coast (DC)	30	25	44	31	28	<b>158 (13%)</b>
Barunga West (DC)	7	18	8	5	9	<b>47 (4%)</b>
Yorke Peninsula (DC)	44	36	27	33	41	<b>181 (14%)</b>
Wakefield (DC)	55	35	51	44	37	<b>222 (18%)</b>
Clare and Gilbert Valleys (DC)	41	34	48	15	16	<b>154 (12%)</b>
<b>TOTAL</b>	<b>299</b>	<b>256</b>	<b>264</b>	<b>221</b>	<b>209</b>	<b>1249</b>

**Figure 2 – Percentage of casualties by age and gender, 2015-2019**



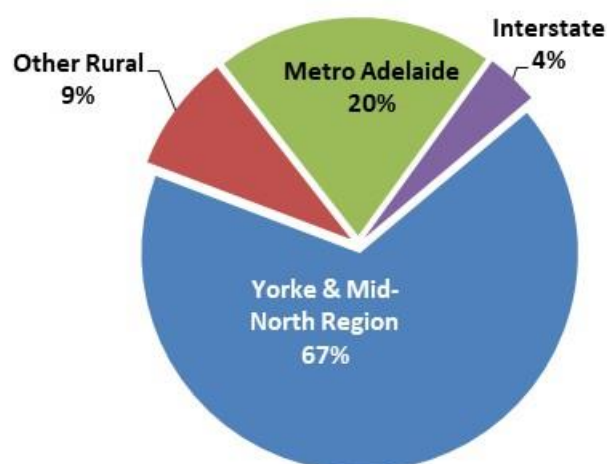
- There were a total of 1,249 casualties for the 5 year period 2015-2019.
- 56% of casualties were male and 44% were female.
- Casualty numbers were high in the younger age groups, 16-24 year olds representing the highest numbers.
- 24% of road user casualties in this region are 16-24 year olds.
- People aged 16 to 24 year old in this region make up 10% of the population, but accounted for 14% of all fatalities and 23% of all serious injuries for the years 2015-2019.

**Table 4 – Casualties by age and type of casualty, 2015-2019**

Road User	0-15	16-19	20-24	25-29	30-39	40-49	50-59	60-69	70+	Unknown	Total
<b>Driver</b>	0	93	92	74	113	93	116	76	93	9	<b>759</b>
<b>Passenger</b>	74	47	30	28	23	21	30	18	33	33	<b>337</b>
<b>Motor cyclist (including pillion)</b>	0	20	10	8	15	14	18	7	5	1	<b>98</b>
<b>Cyclist</b>	3	3	1	2	2	0	3	5	2	1	<b>22</b>
<b>Pedestrian</b>	5	2	3	4	5	1	1	4	7	1	<b>33</b>
<b>Total</b>	<b>82</b>	<b>165</b>	<b>136</b>	<b>116</b>	<b>158</b>	<b>129</b>	<b>168</b>	<b>110</b>	<b>140</b>	<b>45</b>	<b>1249</b>

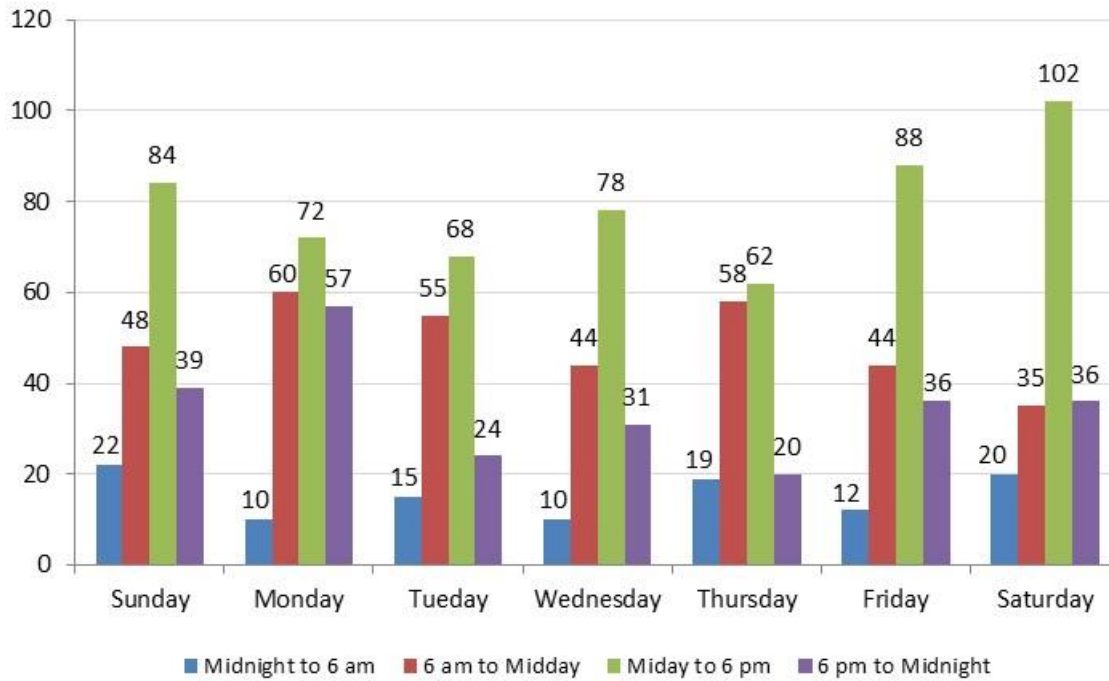
- Like most areas, drivers and passengers (vehicle occupants) make up the majority of road user casualties in the Yorke and Mid-North region.
- 45 (5%) of the vehicle occupant casualties were not wearing a seatbelt at the time of the crash.

**Figure 3 – Residence of driver and rider casualties, 2015-2019**



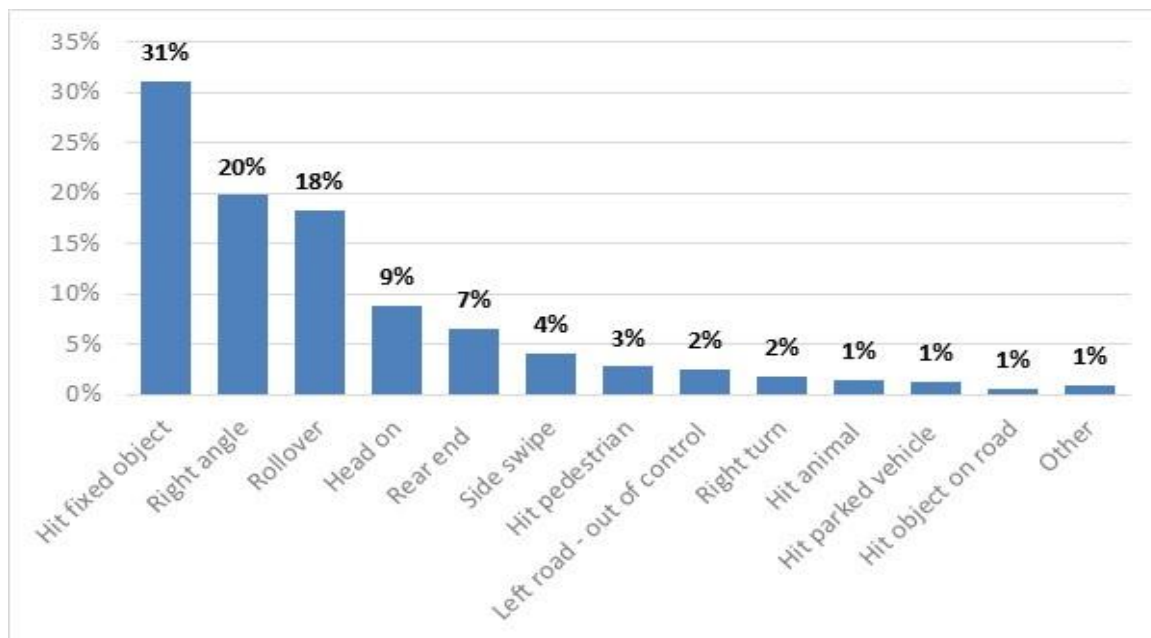
- 67% of driver and rider casualties that occur in the Yorke and Mid-North region are residents of the region.
- 9% are from other rural areas in South Australia.
- 20% are residents in the Adelaide Metropolitan area.
- 4% are from interstate.

**Figure 4 – Casualty crashes by time of day/day of week, 2015-2019**



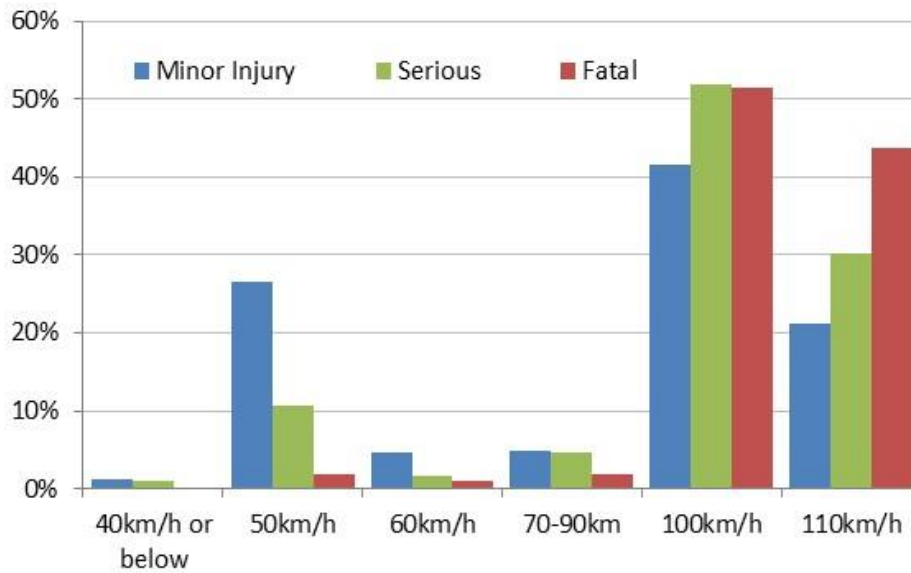
- While crashes can occur at any time, the most common time for a casualty crash to occur in the Yorke and Mid-North Region is midday to 6 pm.

**Figure 5 – Casualty crashes by crash type, 2015-2019**



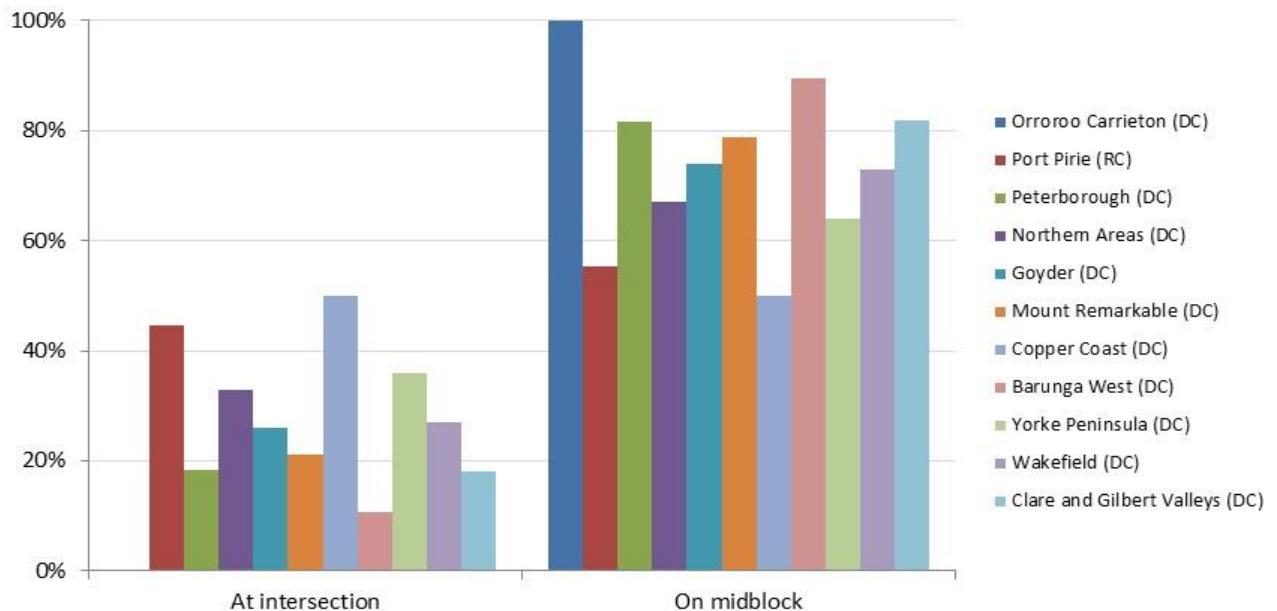
- The majority of casualty crashes are the result of a vehicle hitting a fixed object or a right angle crash.

**Figure 6 – Casualty crashes by speed limit of road, 2015-2019**



- 70% of all casualty crashes in the Yorke and Mid-North region occur on roads where speed limit is  $\geq 100$  km/h.
- 51% of the fatal crashes occurred on roads posted at 100 km/h and 44% on 110 km/h roads.

**Figure 7 – Where the casualty crashes occurred within the councils of the Yorke and Mid-North Region, 2015-2019**



- 32% of all casualty crashes in the Yorke and Mid-North region occur at intersections, while the remaining 68% occur at ‘midblock’ sections where there are no intersecting roads.
- The highest percentage of crashes occurring at ‘midblock’ sections was 100% in Orroroo/Carrieton, followed by 89% in Barunga West. The highest percentage of crashes occurring at intersections is in the Copper Coast (50%), followed by Port Pirie (45%).



**Definitions for crash and casualty types:**

**Casualty Crash** - A crash where at least one fatality, serious injury or minor injury occurs.

**Casualty** – A fatality, serious injury or minor injury.

**Fatal Crash** - A crash for which there is at least one fatality.

**Fatality** - A person who dies within 30 days of a crash as a result of injuries sustained in that crash.

**Serious Injury Crash** - A non-fatal crash in which at least one person is seriously injured.

**Serious Injury** - A person who sustains injuries and is admitted to hospital for a duration of at least 24 hours as a result of a road crash and who does not die as a result of those injuries within 30 days of the crash.

**Minor Injury Crash** - A crash for at least one person sustains injury but no person is admitted to hospital or dies within 30 days of the crash.

**Minor Injury** – A person who sustains injuries requiring medical treatment, either by a doctor or in a hospital, as a result of a road crash and who does not die as a result of those injuries with 30 days of the crash.