

ROAD SAFETY IN THE EYRE PENINSULA REGION

A report of road crashes in the Eyre Peninsula Region 2010-2014

Road Trauma in South Australia

The annual number of road deaths and serious injuries is traditionally used as indicator of road safety in South Australia. The South Australian State Strategy has a target to reduce fatalities and serious injuries by 30% by 2020.

There were 108 fatalities recorded on South Australian roads in 2014 this is 11 more than the 97 recorded in 2013, and two more than the previous 5 year average (2009 – 2013) of 106 fatalities. Serious injuries have seen a decrease from 790 in 2013 to 711 in 2014. The previous 5 year average (2009 – 2013) is 928 serious injuries per year.

Road Trauma in the Eyre Peninsula Region

The highest percentage of serious casualty crashes in the Eyre Peninsula Region occurred in the Lower Eyre Peninsula District Council with 18% of serious casualty crashes occurring there. The District Councils of Lower Eyre Peninsula and Cleve saw the highest frequency of fatal crashes (19%).

Table 1 – Serious casualty crashes percentage by Eyre Peninsula councils, South Australia, 2010-2014

LGA	Fatal Crashes	Serious crashes	Serious casualty crashes	% of Serious casualty crashes
Ceduna (DC)	3	20	23	13%
Streaky Bay (DC)	2	11	13	7%
Port Lincoln (C)	2	21	23	13%
Cleve (DC)	4	17	21	12%
Elliston (DC)	2	9	11	6%
Franklin Harbour (DC)	3	5	8	4%
Kimba (DC)	0	8	8	4%
Wudinna (DC)	0	4	4	2%
Lower Eyre Peninsula (DC)	4	28	32	18%
Tumby Bay (DC)	0	9	9	5%
Whyalla (C)	1	29	30	17%
Total	21	161	182	100%

Table 2 shows the annual figures of all casualty crashes and casualties by severity.

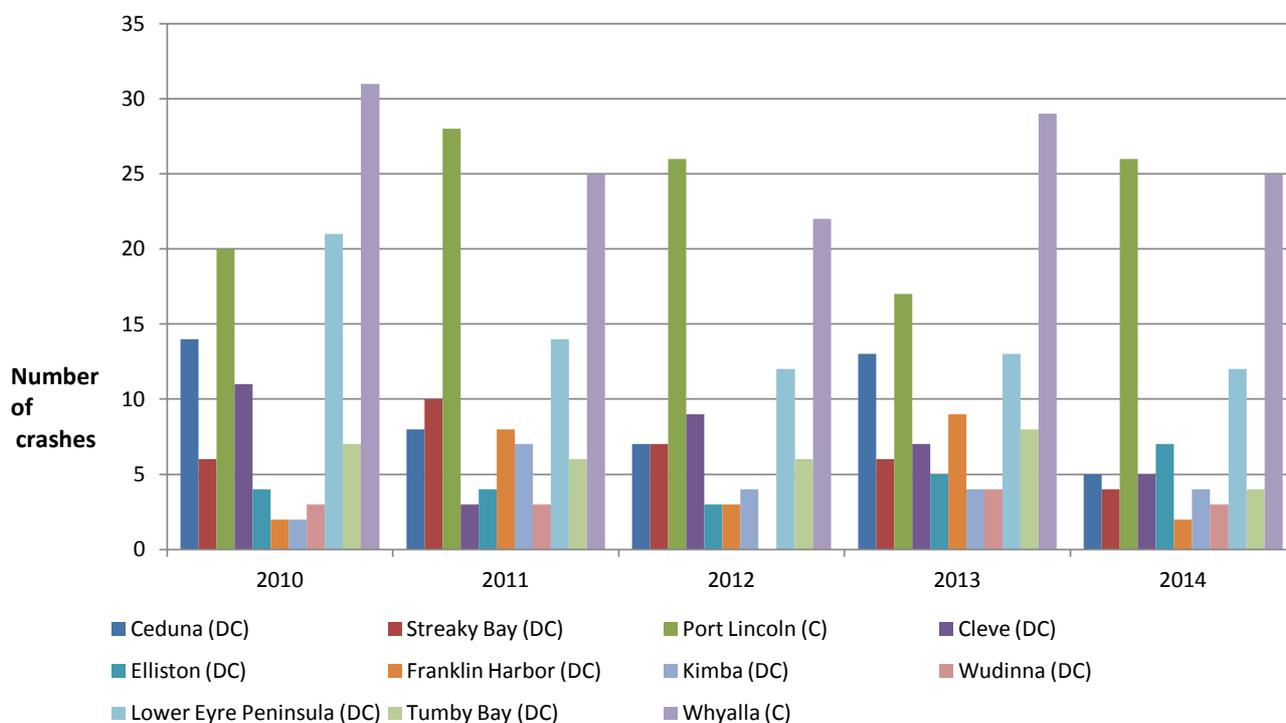
Table 2 – Road crashes and casualties by severity, 2010-2014

Year	Crashes				Casualties			
	Fatal	Serious	Minor	Total	Fatal	Serious	Minor	Total
2010	8	49	64	121	8	56	77	141
2011	4	33	79	116	4	41	109	154
2012	4	29	66	99	4	32	74	110
2013	3	30	82	115	4	35	101	140
2014	2	20	75	97	3	25	102	130
Total	21	161	366	548	23	189	463	675

Last year there were 2 fatal crashes, 20 serious crashes, and 75 minor crashes in the Eyre Peninsula Region resulting in 3 fatalities, 25 serious injuries, and 102 minor injuries.

Figure 1 shows the contribution of each council to the overall number of casualty crashes in the Eyre Peninsula Region.

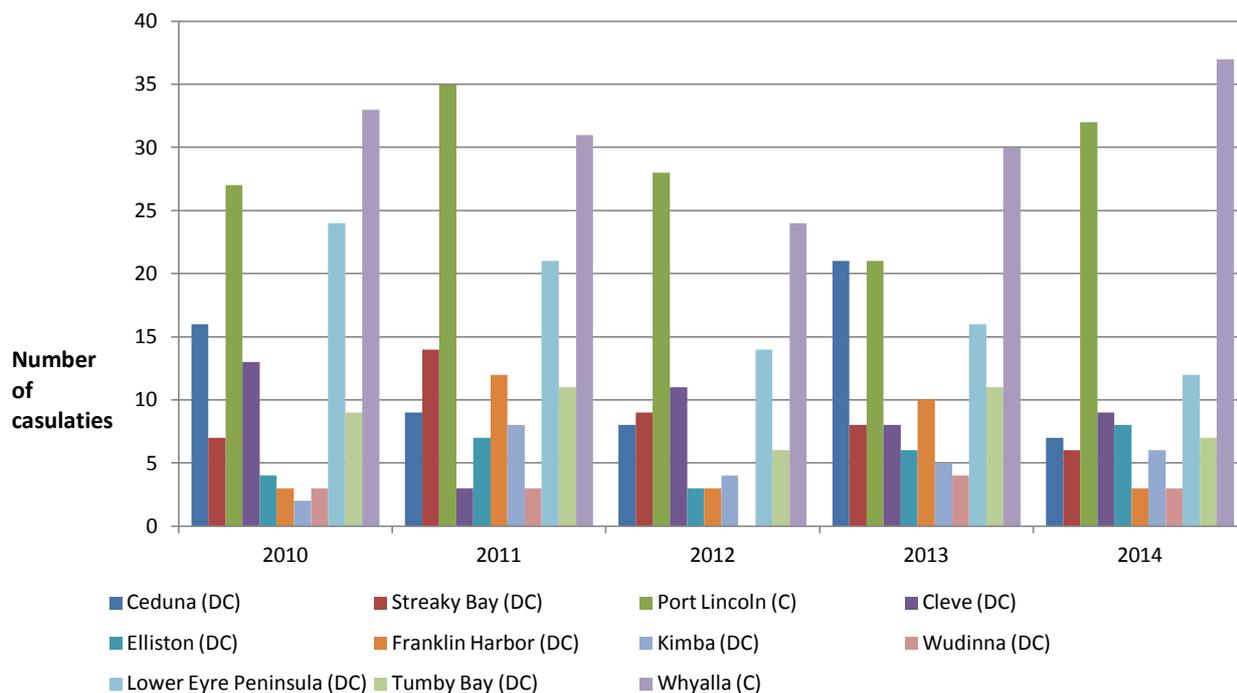
Figure 1 – Number of casualty crashes, 2010-2014



- The highest number of casualty crashes consistently occurred in Whyalla: 31 in 2010, 25 in 2011, 22 in 2012, 29 in 2013, and 25 in 2014.
- The lowest number of casualty crashes occurred in Kimba and Franklin Harbour in 2010 (2), Cleve and Wudinna in 2011 (3), Wudinna in 2012 (0), Kimba and Wudinna in 2013 (4), and Franklin Harbour in 2014 (2).

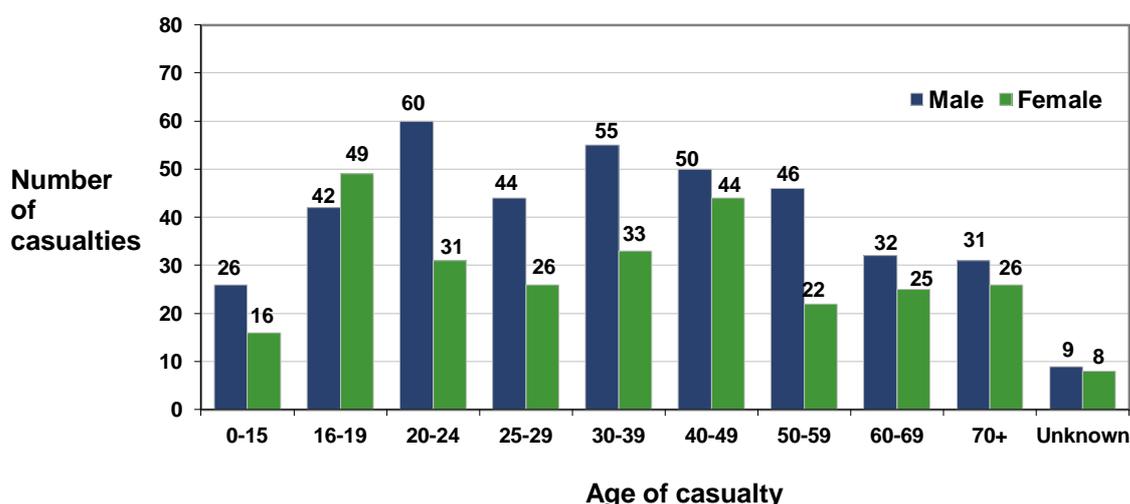
Figure 2 shows the contribution of each council to the overall number of casualties in the Eyre Peninsula Region.

Figure 2 – Number of casualties (fatalities, serious and minor injuries), 2010-2014



- As expected the highest number of casualties consistently occurred in Whyalla: 33 in 2010, 31 in 2011, 24 in 2012, 30 in 2013, and 37 in 2014.
- The lowest number of casualties occurred in Kimba in 2010 (2), Cleve and Wudinna in 2011 (3), Wudinna in 2012 (0), Wudinna in 2013 (4), and Wudinna and Franklin Harbour in 2014 (3).

Figure 3 – Number of casualties by age and gender, 2010-2014



- There were a total of 675 casualties for the 5 year period 2010-2014.

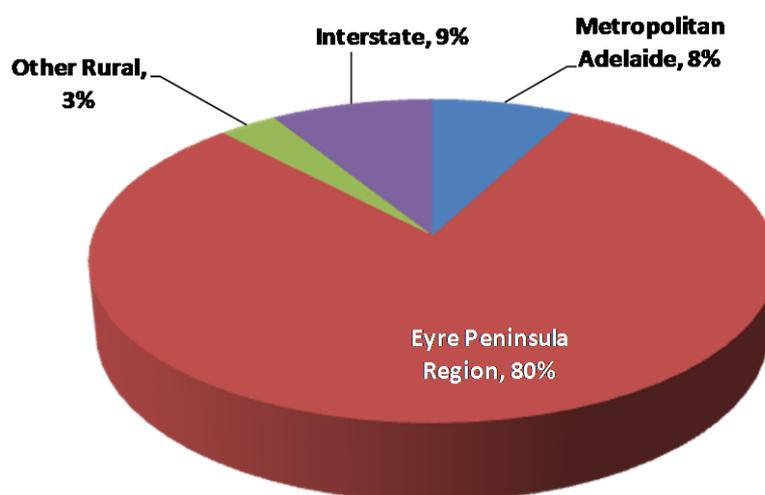
- Casualty numbers were high in the younger age groups for males 16-24 years, and 20-29 years, representing the highest numbers. (Note that for the 16-19, 20-24 and 25-29 years are 5 year age groups compared to the older ages which are grouped into 10 year age groups).

Table 3 – Casualties by age and type of casualty, 2010-2014

	0-15	16-19	20-24	25-29	30-39	40-49	50-59	60-69	70+	Unknown	Total
Driver	1	55	55	40	58	61	44	36	35	1	386
Passenger	30	24	21	17	15	13	7	4	11	15	157
Motor cyclist (including pillion)	2	7	9	7	7	7	14	4	2	1	60
Cyclist	8	2	0	3	4	9	2	9	1	0	38
Pedestrian	0	3	6	3	4	4	1	4	8	0	33
Other	1	0	0	0	0	0	0	0	0	0	1
Total	42	91	91	70	88	94	68	57	57	17	675

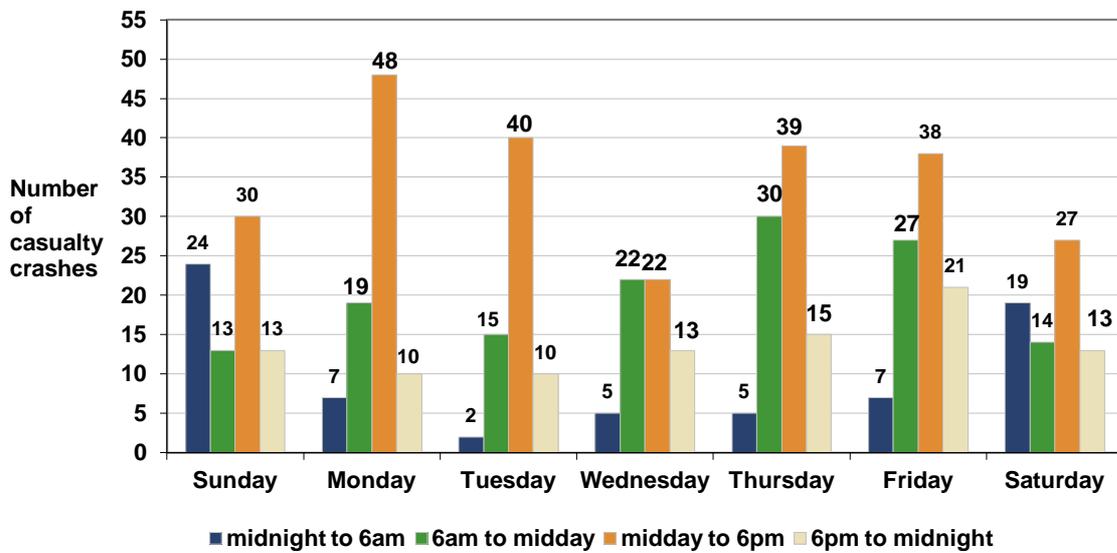
- Like most areas, drivers and passengers (vehicle occupants) make up the majority of road user casualties in the Eyre Peninsula Region.
- 24 of the vehicle occupant casualties were not wearing a seatbelt at the time of the crash.

Figure 4 – Residence of driver and rider casualties, 2010-2014



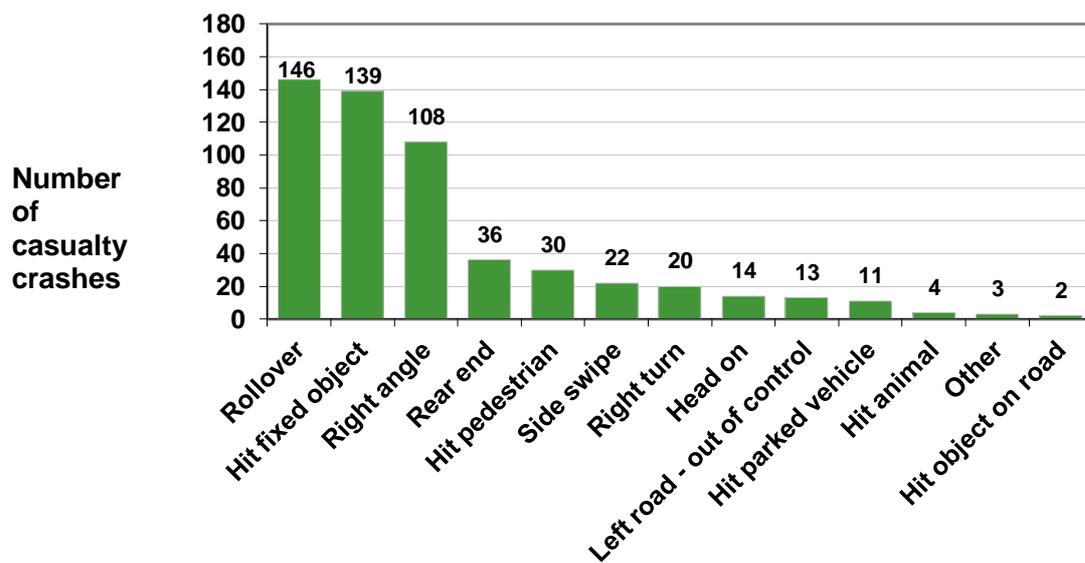
- 80% percent of driver and rider casualties that occur in the Eyre Peninsula Region are residents of the area.
- 3% are from other rural areas in South Australia.
- 8% are residents in the Adelaide Metropolitan area.
- 9% are from interstate.

Figure 5 – Casualty crashes by time of day/day of week, 2010-2014



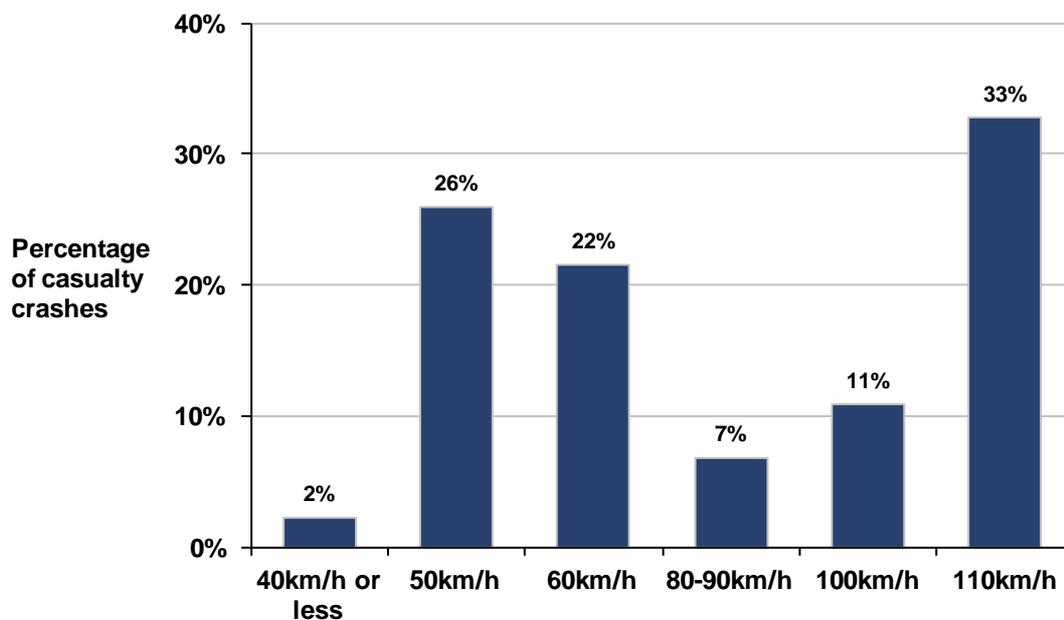
- While crashes can occur at any time, the most common time for a casualty crash to occur in the Eyre Peninsula Region is midday to 6 pm on a Monday.

Figure 6 – Casualty crashes by crash type, 2010-2014



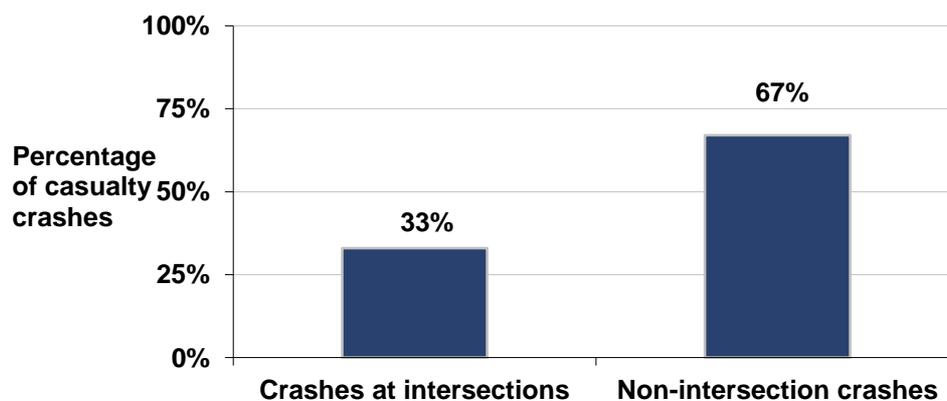
- The majority of casualty crashes are the result of a vehicle rollover or hit fixed object.

Figure 7 – Casualty crashes by speed limit of road, 2010-2014



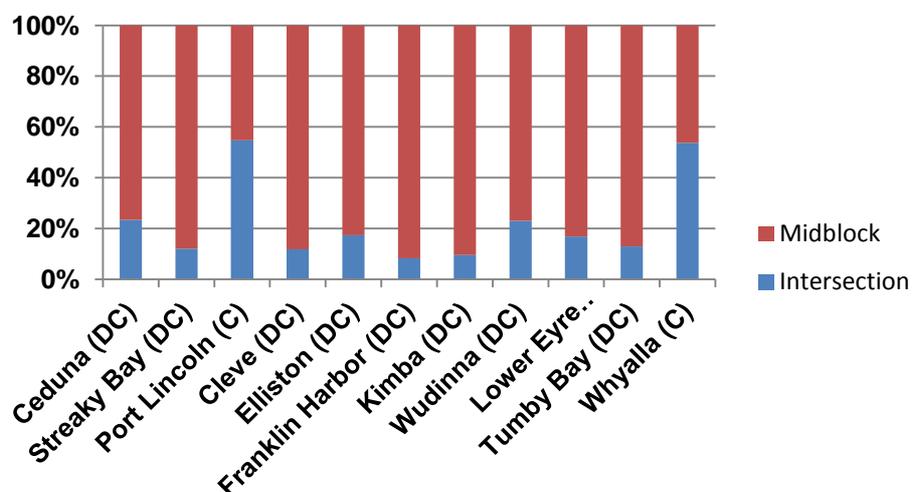
- The majority of crashes in the Eyre Peninsula Region occur on roads with 100km/h or more speed limit: 11% on 100km/h roads and 33% on 110km/h roads.

Figure 8 – Where the casualty crashes occurred, 2010-2014



- 33% of all casualty crashes in the Eyre Peninsula LGA occur at intersections, while the remaining 67% occur at 'midblock' sections where there are no intersecting roads.

Figure 9 – Where the casualty crashes occurred within the councils of the Eyre Peninsula LGA



- The highest percentage of crashes occurring at ‘midblock’ sections, 92% occur in Franklin Harbour DC, followed by 90% in Kimba DC.
- The highest percentage of crashes occurring at intersections, 54% occur in the City of Port Lincoln, and the City of Whyalla. This is consistent with the pattern of crashes in urban areas.

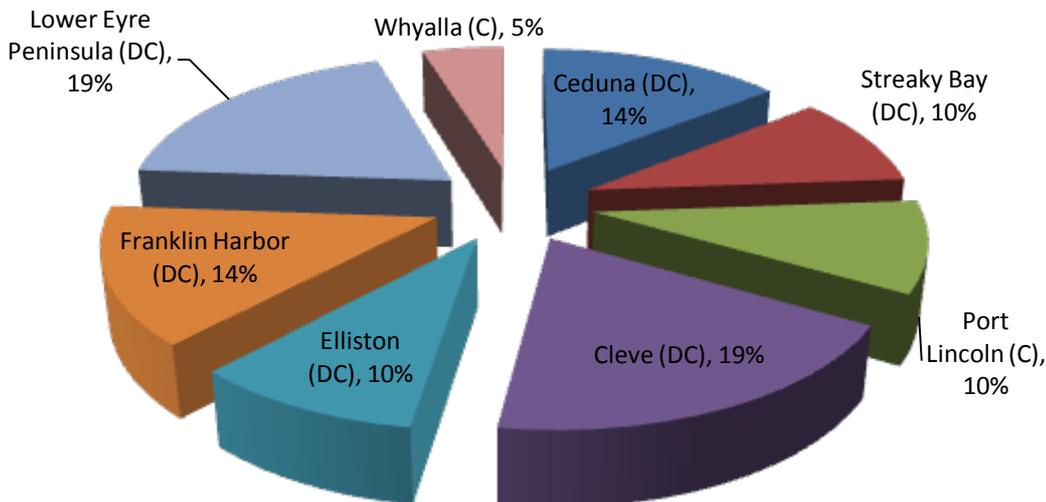
Distribution of crashes

The following pie charts (Figure 10) show the distribution of fatal and serious crashes in regional serious casualty crashes.

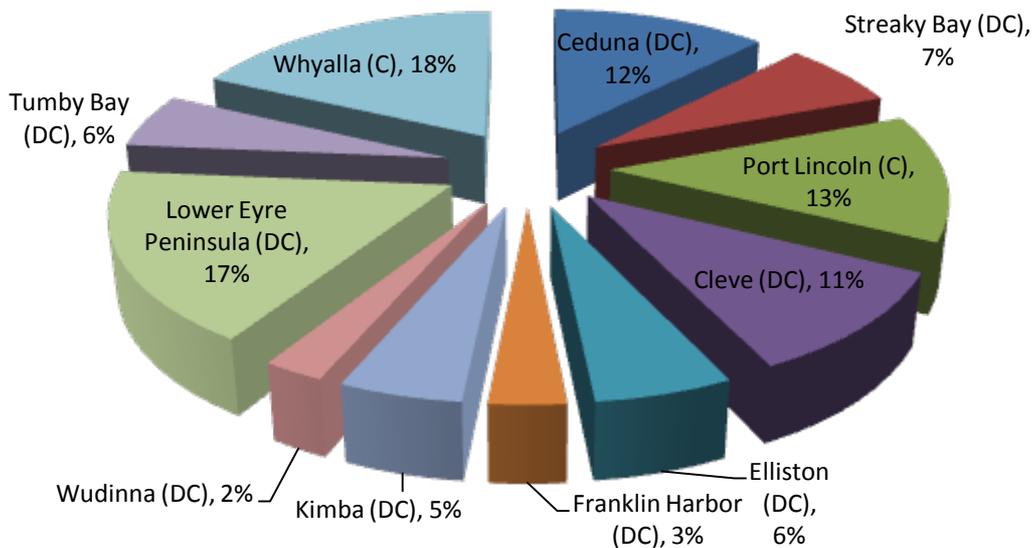
If serious injury crashes were distributed between all councils of the Eyre Peninsula Regions, no fatal crashes occurred in Kimba DC, Wudinna DC and Tumby Bay DC in the last 5 years from 2010 to 2014.

Figure 10 – Distribution of fatal and serious injury road crashes by council, 2010-2014

Fatal Crashes



Serious Injury Crashes



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 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.

Please note that the Eyre Peninsula LGA includes the following councils:

Ceduna (DC), Streaky Bay (DC), Port Lincoln (C), Cleve (DC), Elliston (DC), Franklin Harbour (DC), Kimba (DC), Wudinna (DC), Lower Eyre Peninsula (DC), Tumby Bay (DC), Whyalla (C).