



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending June 2017 (preliminary)

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Branch: Centre for Road Safety
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1 Acknowledgements

Transport for NSW wishes to thank the following –

- NSW Ministry of Health for providing access to information in the NSW Admitted Patient Data Collection, NSW Emergency Department Data Collection and the NSW Registry of Births, Deaths and Marriages – Death registrations.
- Centre for Health Record Linkage for conducting the record linkage.
- Aboriginal Health & Medical Research Council for supporting the ongoing data linkage project.
- Independent Hospital Pricing Authority for providing the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM) electronic code lists.
- The State Insurance Regulatory Authority (SIRA) and icare (Lifetime Care) for providing data on Compulsory Third Party insurance claims and Lifetime Care participants.
- ACT Health Directorate for providing access to information in the ACT Admitted Patient Care and ACT Emergency Department Information System data collections.

This serious injury research forms part of the routine monitoring activity undertaken by Transport for NSW to improve road safety for the community. It was approved by the following ethics committees –

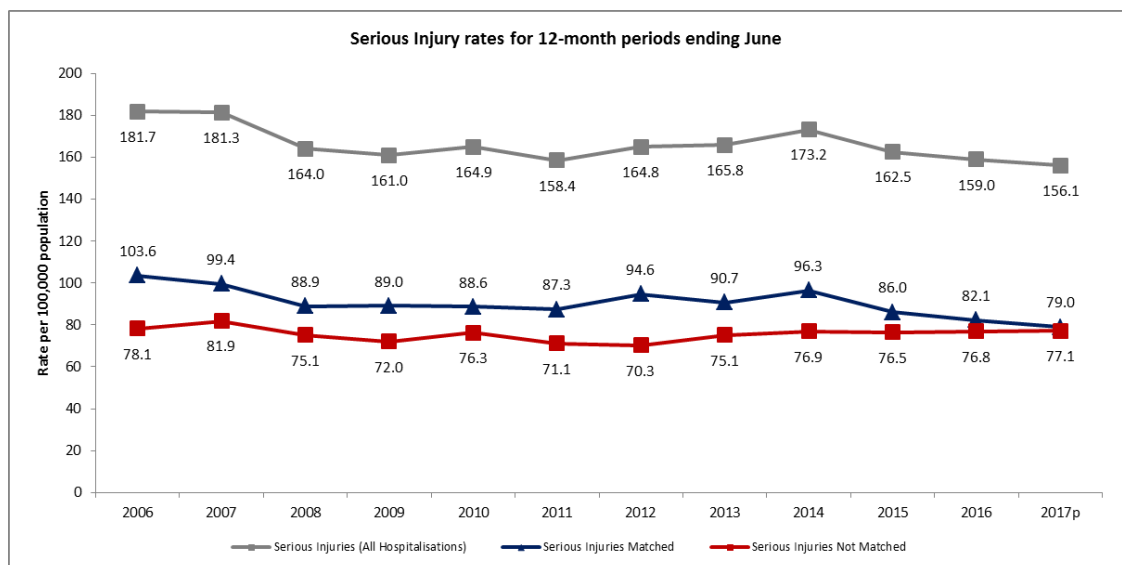
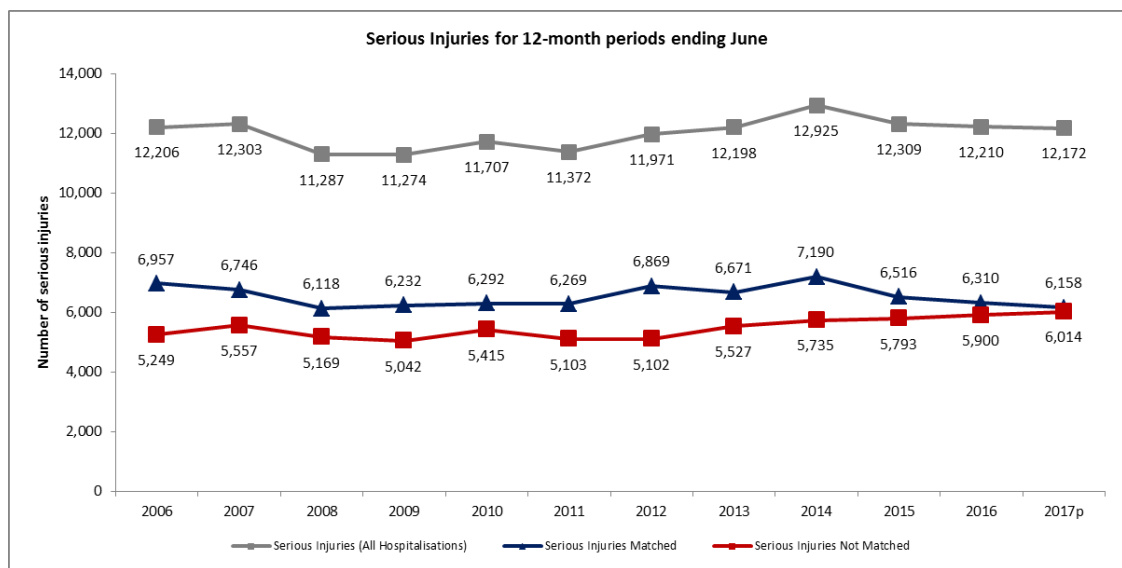
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the Calvary Public Hospital Bruce Human Research Ethics Committee on 20th September 2017.

2 Serious Injury Trends

There were a total of 2,943 serious injuries (all hospitalisations) for the June 2017 quarter, 129 (4 per cent) fewer than the March 2017 quarter. Over the 12 month period ending June 2017 there were 12,172 serious injuries (all hospitalisations), 38 fewer than the 12 month period ending June 2016. The serious injury rate for the 12 months ending June 2017 was 156.1 per 100,000 population.

Serious injury numbers and rates for 12-month period ending June 2017p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	12,172	156.1
Serious injuries (matched) ²	6,158	79.0
Serious injuries (not matched) ³	6,014	77.1



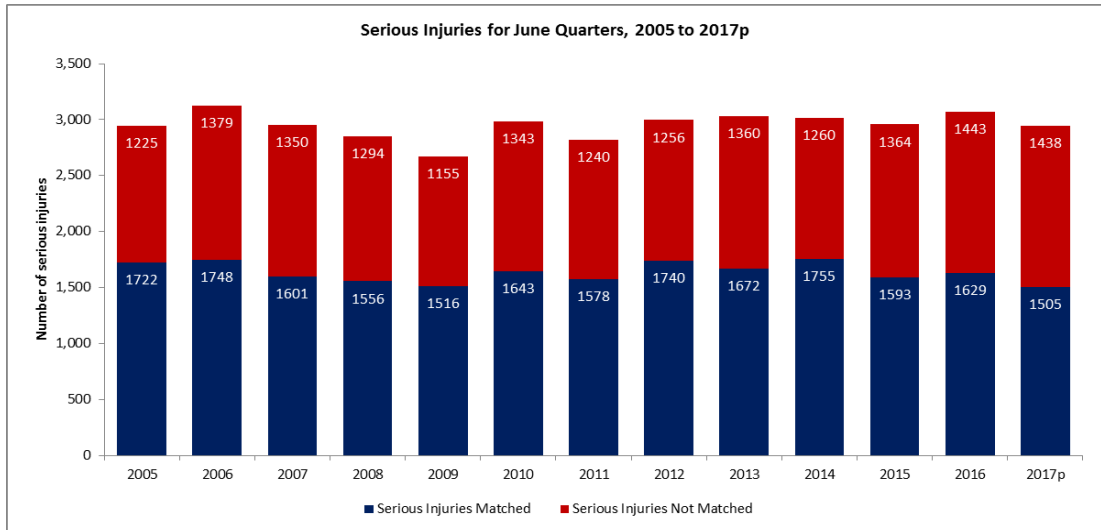
¹ Based on preliminary estimated population data

² Serious injuries matched to a police crash report

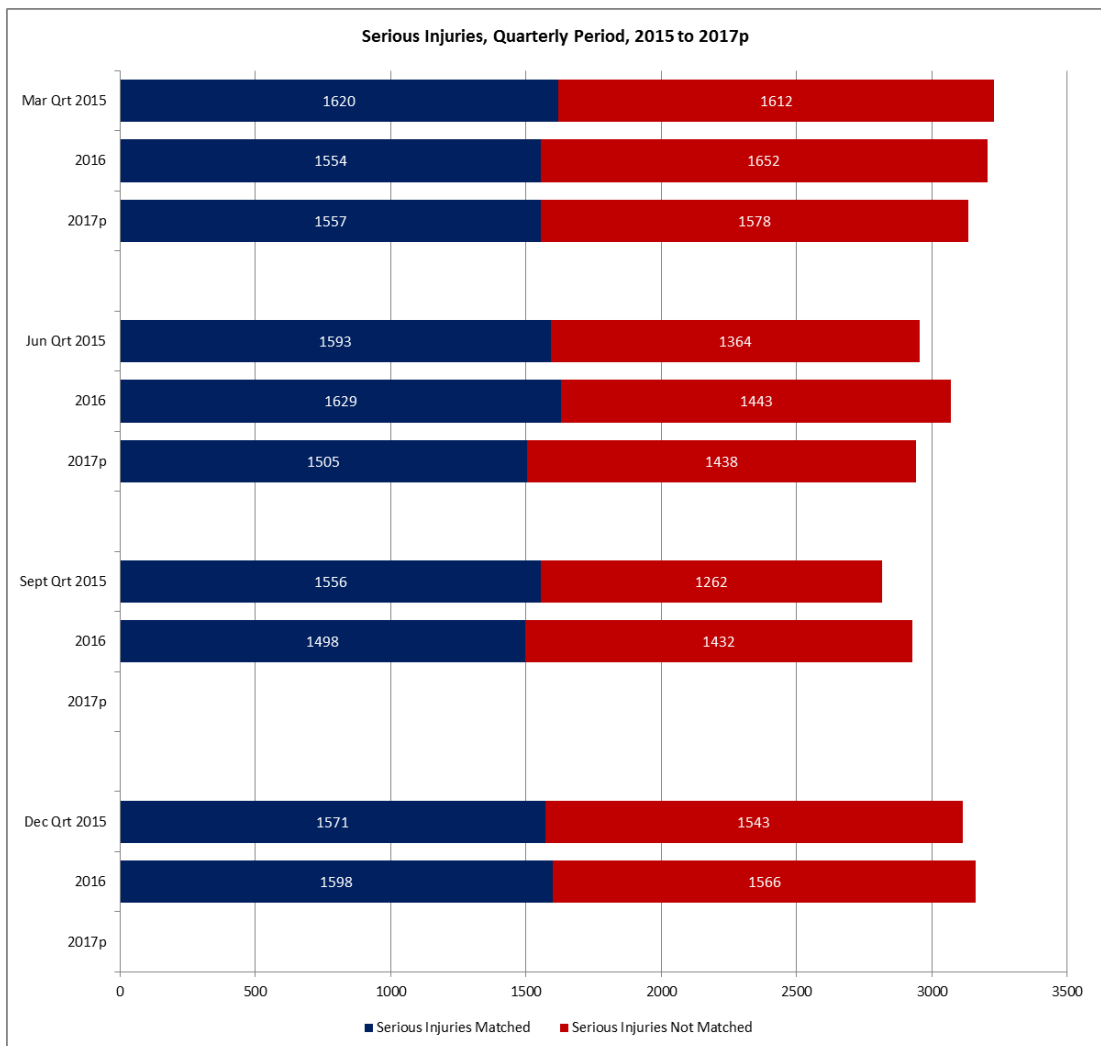
³ Serious injuries not matched to a police crash report

3 Quarterly Comparison

3.1 NSW serious injuries for June Quarter: 2005 to 2017p



3.2 NSW serious injuries: quarterly comparison, 2015 to 2017p



4 Rolling 12 Month Statistics

4.1 Serious injuries

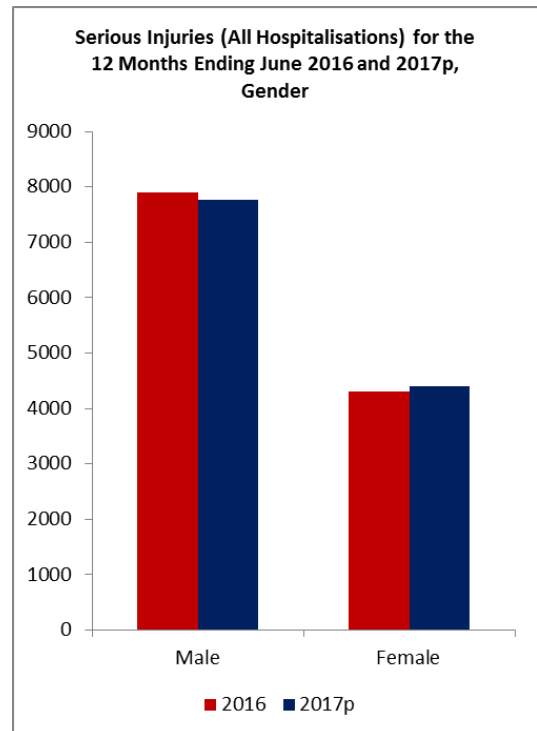
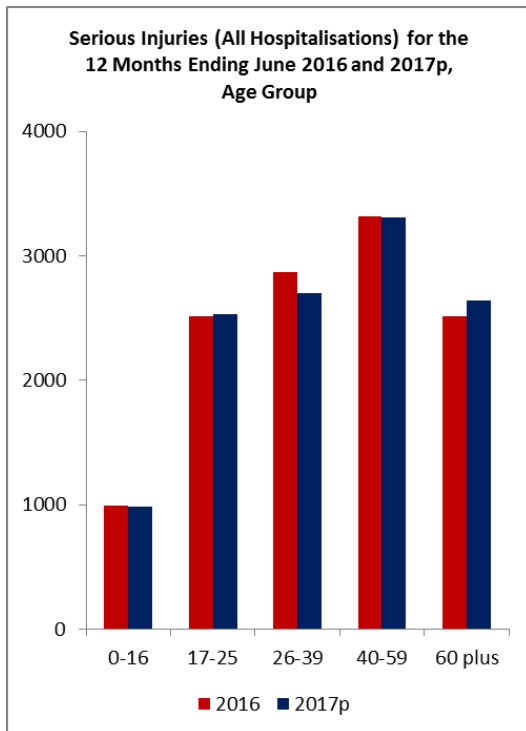
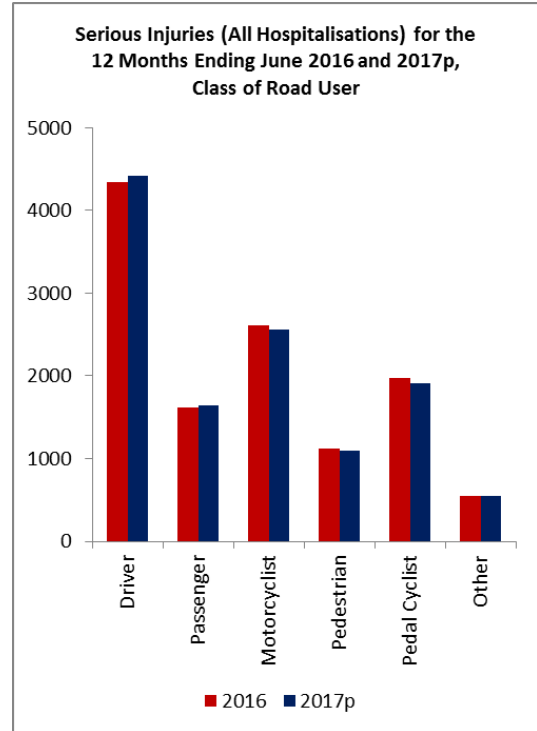
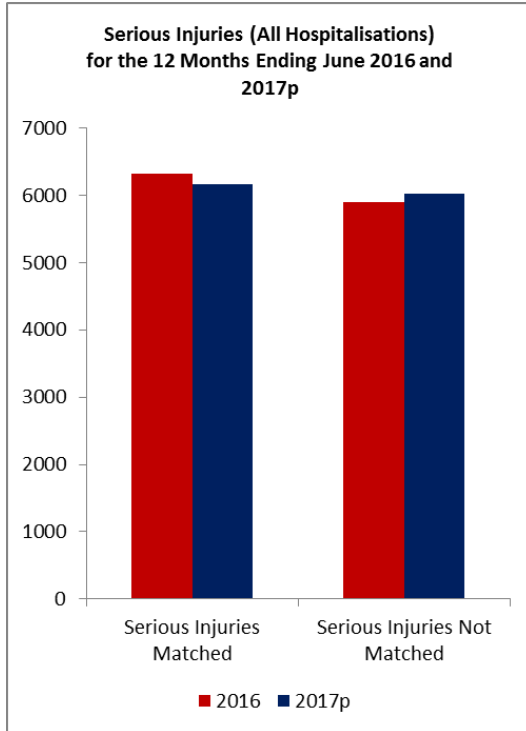
Overall

	12 months ending Jun 2017p	12 months ending Jun 2016	# Change	% Change
Serious Injuries Matched	6158	6310	-152	-2%
Serious Injuries Not Matched	6014	5900	114	2%
All Hospitalisations	12172	12210	-38	0%

Serious Injuries (All Hospitalisations)

	12 months ending Jun 2017p	12 months ending Jun 2016	# Change	% Change
Road User Group				
Driver	4423	4337	86	2%
Passenger	1640	1616	24	1%
Motorcyclist	2557	2615	-58	-2%
Pedestrian	1089	1120	-31	-3%
Pedal Cyclist	1909	1973	-64	-3%
Other	554	549	5	1%
Total	12172	12210	-38	0%
Age Group				
0-4	125	102	23	23%
5-16	861	892	-31	-3%
17-20	1143	1134	9	1%
21-25	1386	1376	10	1%
26-29	882	912	-30	-3%
30-39	1821	1956	-135	-7%
40-49	1659	1714	-55	-3%
50-59	1646	1600	46	3%
60-69	1210	1088	122	11%
70-79	816	778	38	5%
80+	615	648	-33	-5%
Unknown	8	10	-2	-20%
Total	12172	12210	-38	0%
Gender				
Male	7766	7894	-128	-2%
Female	4406	4315	91	2%
Unknown	0	1	-1	-100%
Total	12172	12210	-38	0%

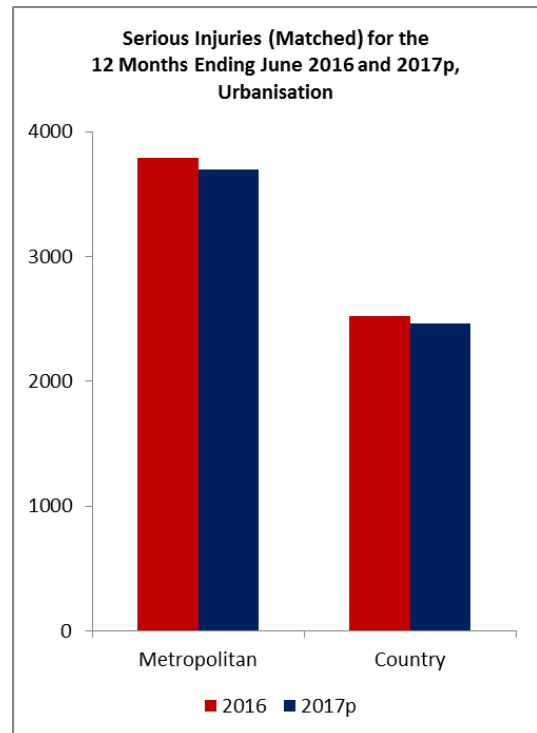
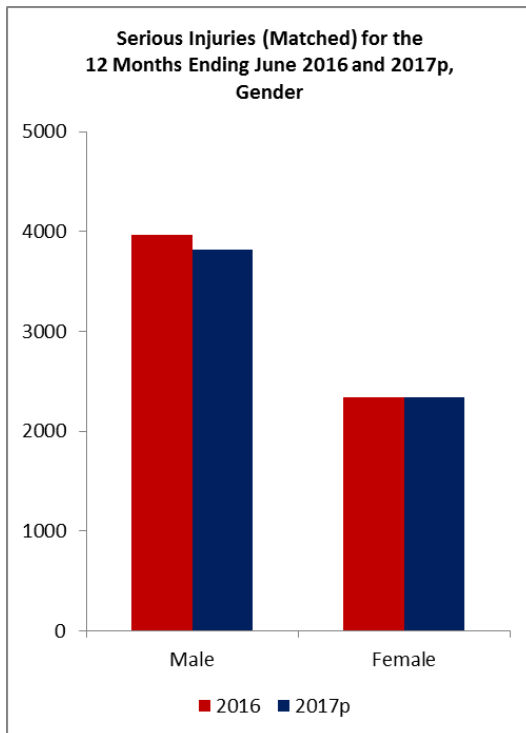
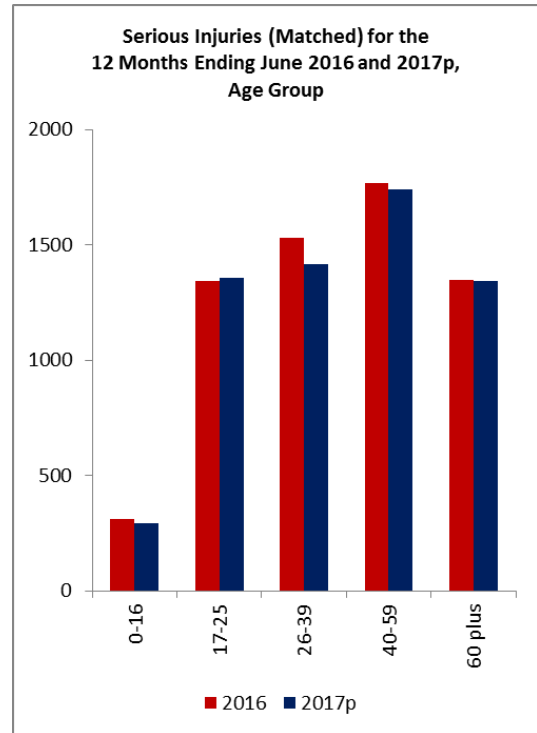
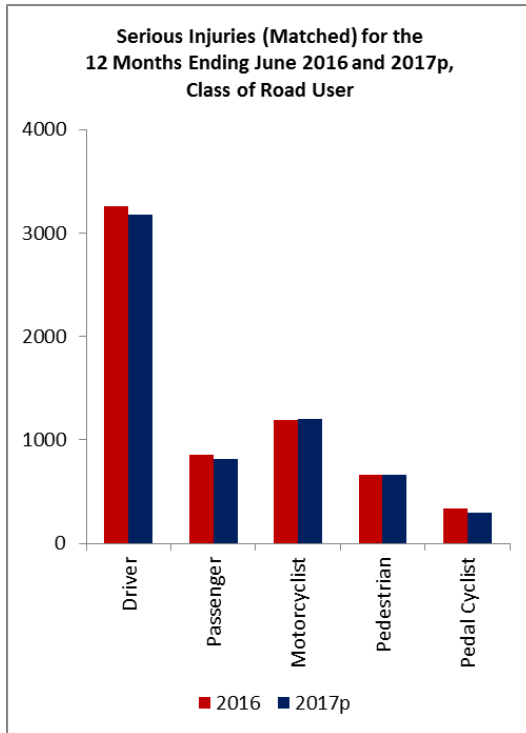
p Preliminary data subject to change.



Serious Injuries (Matched)

	12 months ending Jun 2017p	12 months ending Jun 2016	# Change	% Change
Road User Group				
Driver	3182	3260	-78	-2%
Passenger	816	856	-40	-5%
Motorcyclist	1202	1192	10	1%
Pedestrian	661	666	-5	-1%
Pedal Cyclist	297	334	-37	-11%
Other Road User	0	2	-2	-100%
Total	6158	6310	-152	-2%
Age Group				
0-4	54	47	7	15%
5-16	239	264	-25	-9%
17-20	649	610	39	6%
21-25	708	734	-26	-4%
26-29	463	468	-5	-1%
30-39	953	1062	-109	-10%
40-49	849	913	-64	-7%
50-59	890	855	35	4%
60-69	650	597	53	9%
70-79	426	435	-9	-2%
80+	269	315	-46	-15%
Unknown	8	10	-2	-20%
Total	6158	6310	-152	-2%
Gender				
Male	3819	3965	-146	-4%
Female	2339	2344	-5	0%
Unknown	0	1	-1	-100%
Total	6158	6310	-152	-2%
Urbanisation				
Metropolitan	3698	3789	-91	-2%
Country	2460	2521	-61	-2%
Total	6158	6310	-152	-2%

p Preliminary data subject to change.



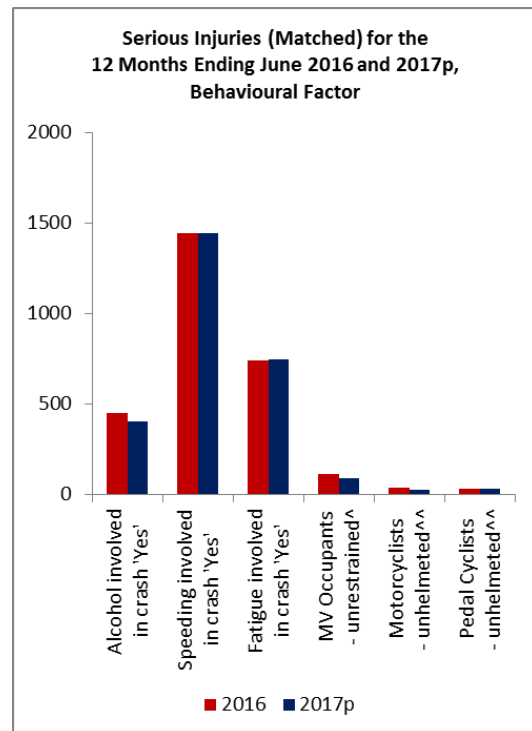
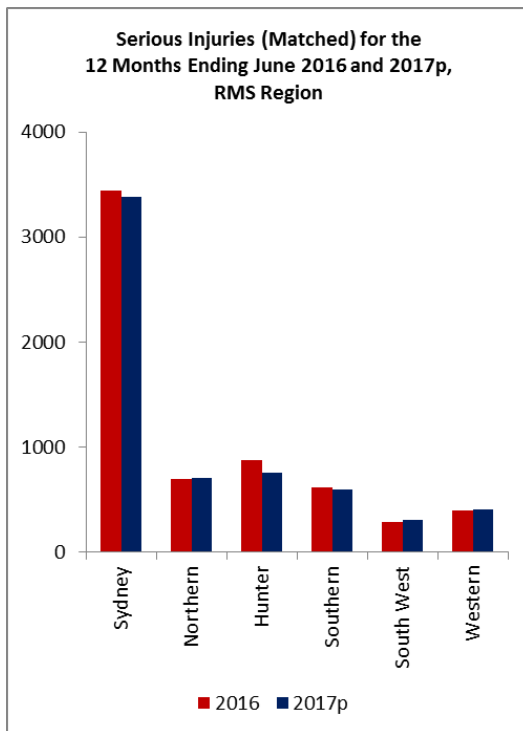
Serious Injuries (Matched) cont....

	12 months ending Jun 2017p	12 months ending Jun 2016	# Change	% Change
RMS Region (CRS)				
Sydney	3385	3440	-55	-2%
Northern	705	699	6	1%
Hunter	760	874	-114	-13%
Southern	596	619	-23	-4%
South West	302	286	16	6%
Western	410	392	18	5%
Total	6158	6310	-152	-2%
Behaviour Factors				
Alcohol involved in crash 'Yes'	402	450	-48	-11%
Speeding involved in crash 'Yes'	1445	1445	0	0%
Fatigue involved in crash 'Yes'	746	744	2	0%
Safety Device Usage				
Driver - unrestrained^	66	83	-17	-20%
Passenger - unrestrained^	26	33	-7	-21%
Motor Vehicle Occupants - unrestrained^	92	116	-24	-21%
Motorcyclists- unhelmeted^^	27	40	-13	-33%
Pedal Cyclists - unhelmeted^^	33	36	-3	-8%

^ belt not worn

^^ no helmet worn

p Preliminary data subject to change.

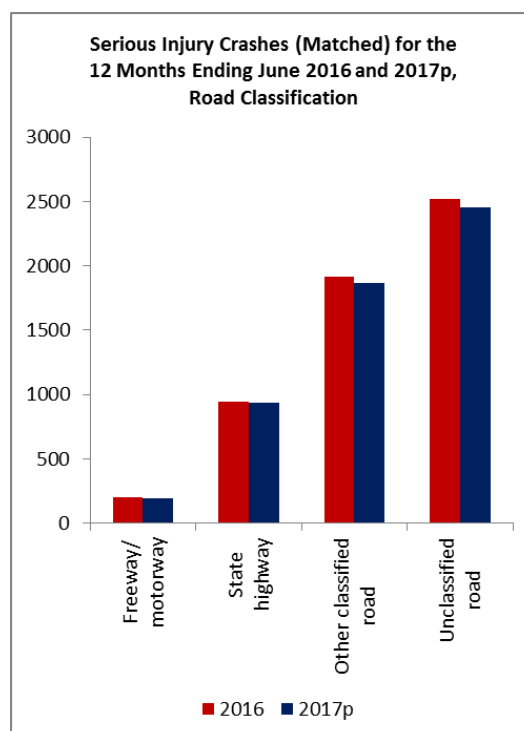
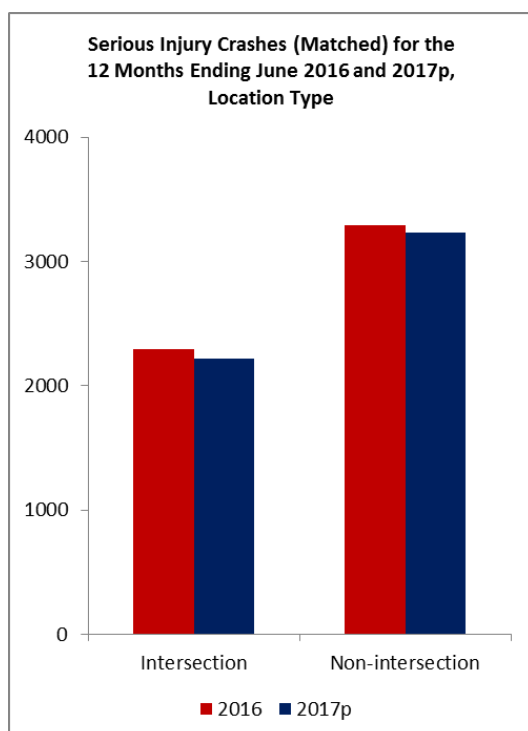


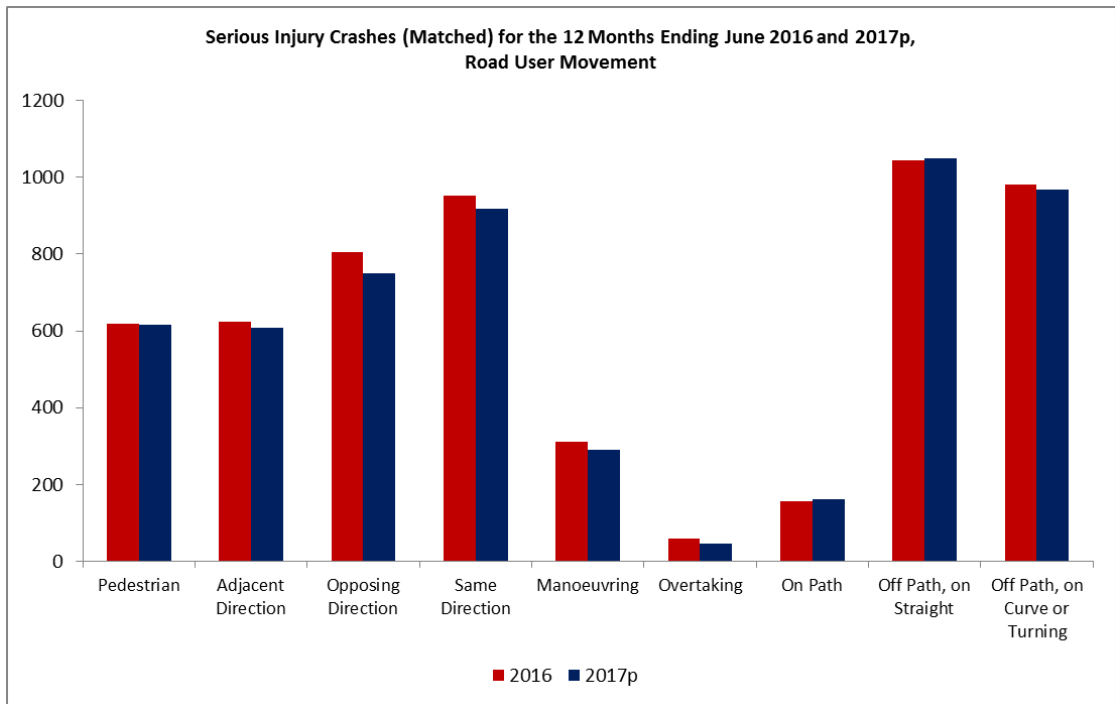
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Jun 2017p	12 months ending Jun 2016	# Change	% Change
Location type				
Intersection	2221	2296	-75	-3%
Non-intersection	3230	3288	-58	-2%
Total	5451	5584	-133	-2%
Road classification				
Freeway/motorway	197	204	-7	-3%
State highway	939	947	-8	-1%
Other classified road	1864	1913	-49	-3%
Unclassified road	2451	2520	-69	-3%
Total	5451	5584	-133	-2%
Type of crash (RUM)				
Pedestrian	617	618	-1	0%
Cross Traffic	307	331	-24	-7%
Other Turning Adjacent	301	292	9	3%
Head On (Not O'Taking)	297	318	-21	-7%
Other Turning Opposite	454	487	-33	-7%
Rear End (incl Left and Right Rear)	654	665	-11	-2%
Lane Side Swipe (incl lane change left / right)	178	211	-33	-16%
Other Turn Side Swipe	86	76	10	13%
Manoeuvring	289	311	-22	-7%
Overtaking	46	60	-14	-23%
On Path	161	155	6	4%
Off Path, on Straight	1050	1045	5	0%
Off Path, on Curve or Turning	968	980	-12	-1%
Miscellaneous / Unknown	43	35	8	23%
Total	5451	5584	-133	-2%

p Preliminary data subject to change.





5 Annual Statistics

5.1 Serious injuries⁴

		Quarter				Total
		Q1	Q2	Q3	Q4	
Serious Injuries Matched	Year					
	2005	1443	1722	1694	1762	6621
	2006	1753	1748	1752	1695	6948
	2007	1698	1601	1562	1541	6402
	2008	1459	1556	1542	1634	6191
	2009	1540	1516	1482	1668	6206
	2010	1499	1643	1514	1568	6224
	2011	1609	1578	1700	1705	6592
	2012	1724	1740	1652	1768	6884
	2013	1579	1672	1817	1864	6932
	2014	1754	1755	1659	1644	6812
	2015	1620	1593	1556	1571	6340
	2016	1554	1629	1498	1598	6279
2017p	1557	1505			3062	
Serious Injuries Not Matched	2005	1455	1225	1139	1327	5146
	2006	1404	1379	1314	1414	5511
	2007	1479	1350	1230	1289	5348
	2008	1356	1294	1145	1386	5181
	2009	1356	1155	1298	1387	5196
	2010	1387	1343	1151	1344	5225
	2011	1368	1240	1146	1325	5079
	2012	1375	1256	1248	1489	5368
	2013	1430	1360	1361	1583	5734
	2014	1531	1260	1303	1514	5608
	2015	1612	1364	1262	1543	5781
	2016	1652	1443	1432	1566	6093
	2017p	1578	1438			3016
All Hospitalisations	2005	2898	2947	2833	3089	11767
	2006	3157	3127	3066	3109	12459
	2007	3177	2951	2792	2830	11750
	2008	2815	2850	2687	3020	11372
	2009	2896	2671	2780	3055	11402
	2010	2886	2986	2665	2912	11449
	2011	2977	2818	2846	3030	11671
	2012	3099	2996	2900	3257	12252
	2013	3009	3032	3178	3447	12666
	2014	3285	3015	2962	3158	12420
	2015	3232	2957	2818	3114	12121
	2016	3206	3072	2930	3164	12372
	2017p ⁱ	3135	2943			6078

p Preliminary data subject to change.

⁴ Serious injuries are estimated to be under-enumerated by about 4 per cent for the latest quarter and are projected to increase by a magnitude of around 100.