



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending September 2016 (preliminary)

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1 Acknowledgements

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- 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 –

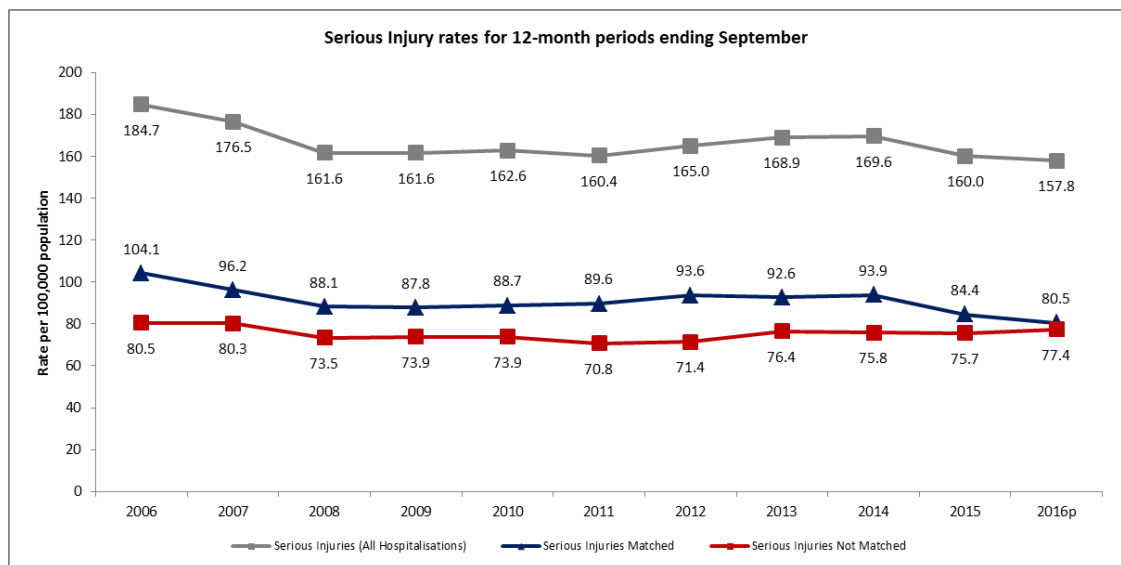
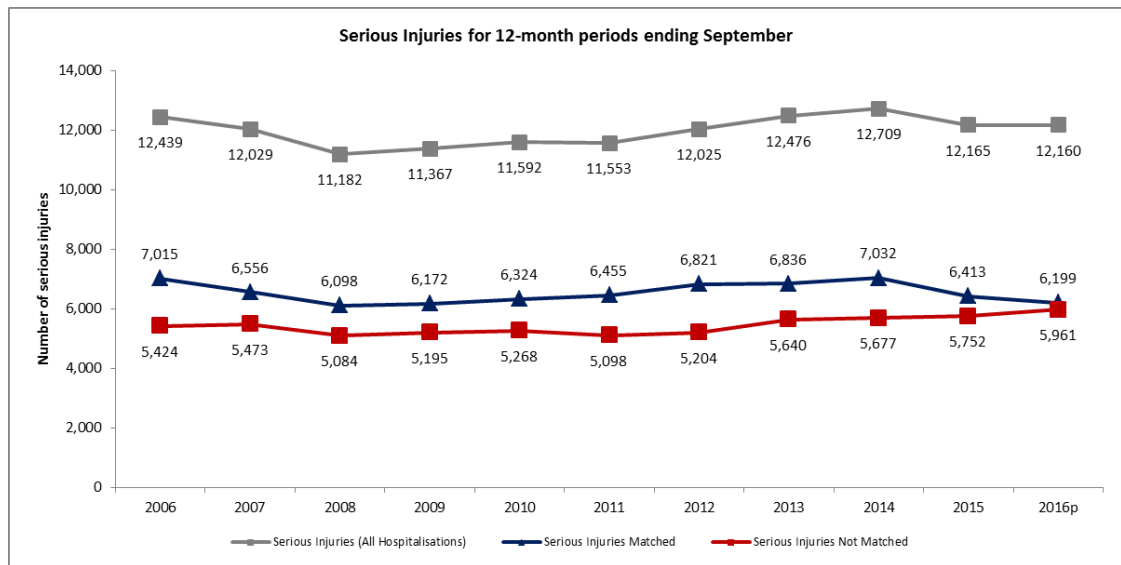
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.

2 Serious Injury Trends

There were a total of 2,834 serious injuries (all hospitalisations) for the September 2016 quarter, 209 (7 per cent) fewer than the June 2016 quarter. Over the 12 month period ending September 2016 there were 12,160 serious injuries (all hospitalisations), 5 fewer than the 12 month period ending September 2015. The serious injury rate for the 12 months ending September 2016 was 157.8 per 100,000 population.

Serious injury numbers and rates for 12-month period ending Sept 2016p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	12,160	157.8
Serious injuries (matched) ²	6,199	80.5
Serious injuries (not matched) ³	5,961	77.4



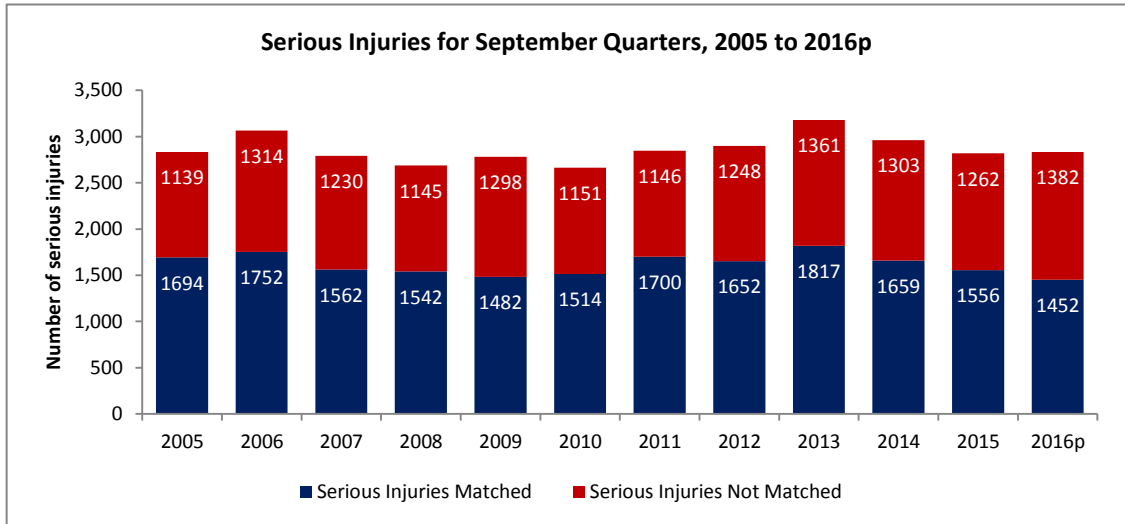
¹ Based on preliminary estimated population data

² Serious injuries matched to a police crash report

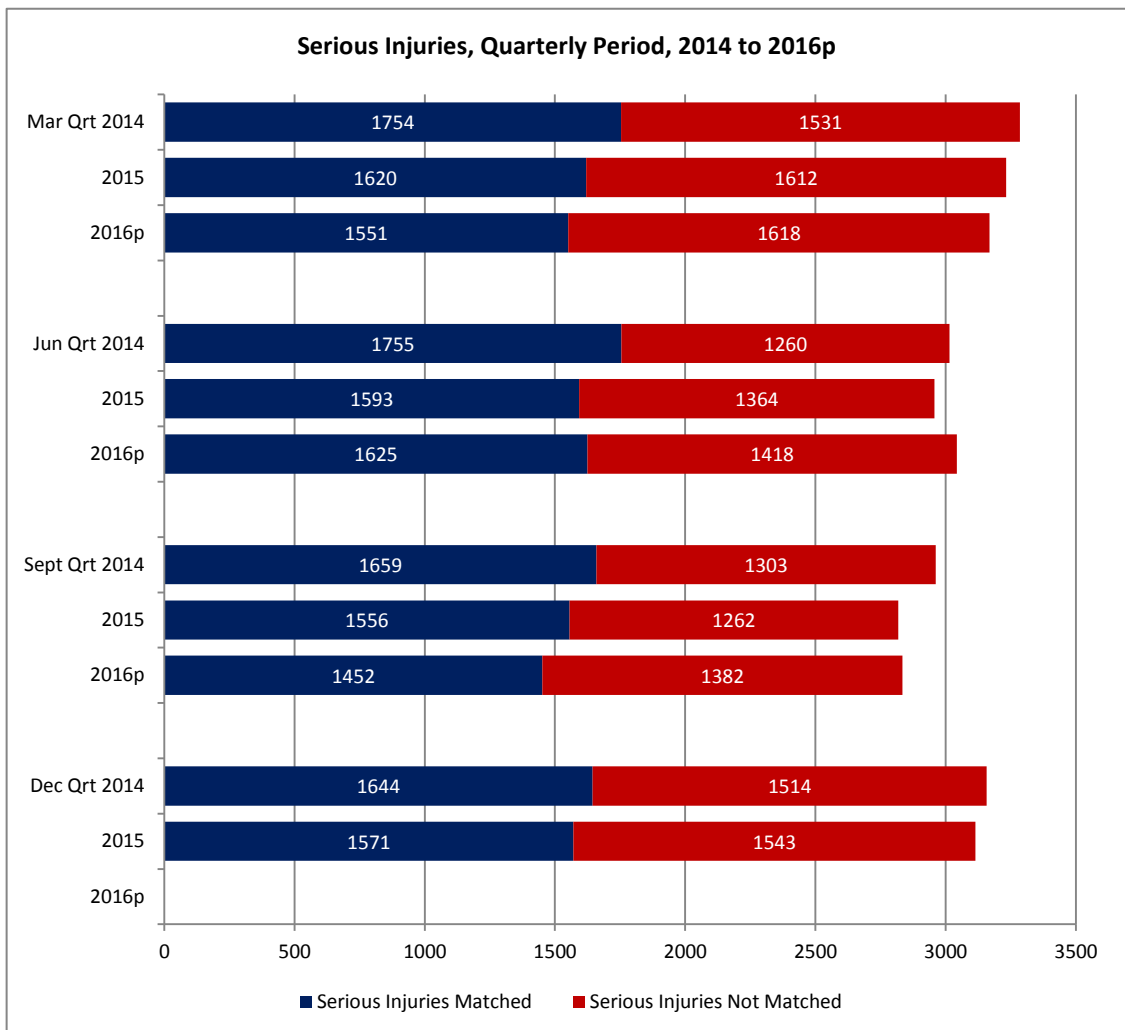
³ Serious injuries not matched to a police crash report

3 Quarterly Comparison

3.1 NSW serious injuries for September Quarter: 2005 to 2016p



3.2 NSW serious injuries: quarterly comparison, 2014 to 2016p



4 Rolling 12 Month Statistics

4.1 Serious injuries

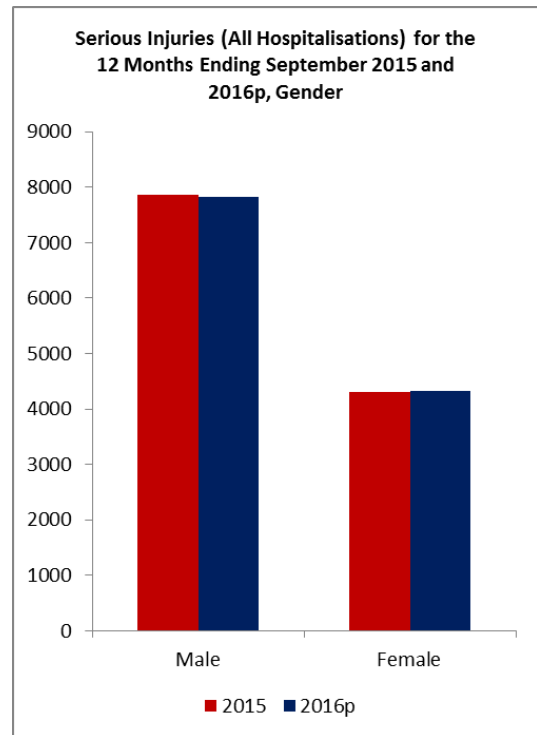
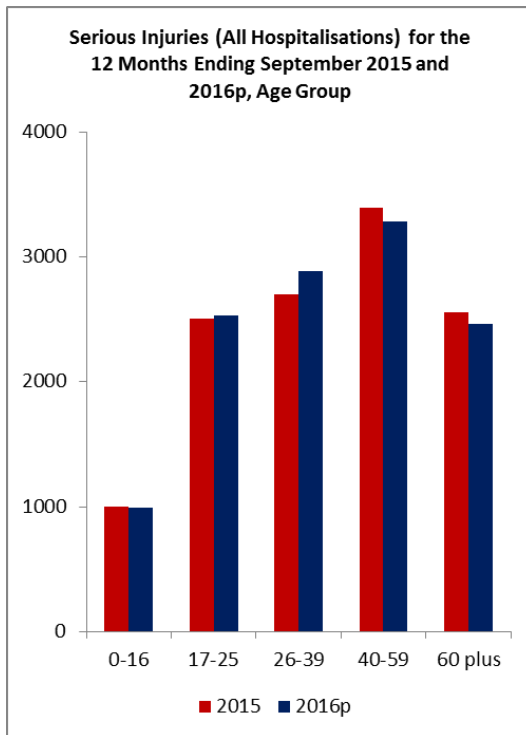
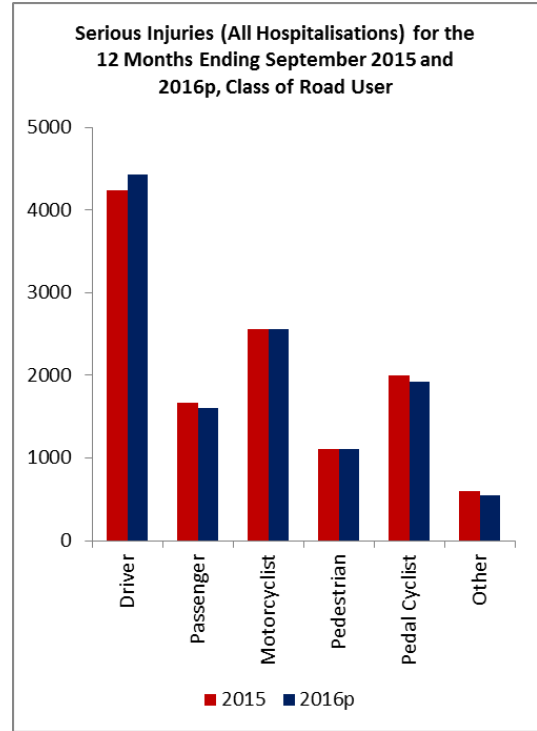
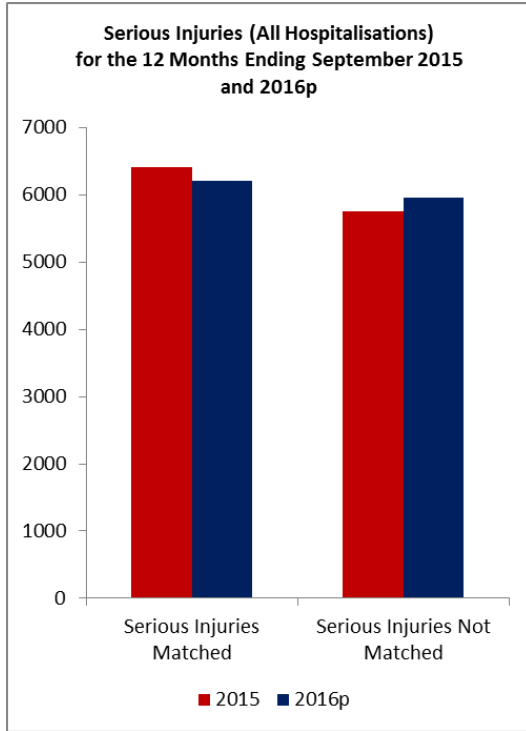
Overall

	12 months ending Sept 2016 ^p	12 months ending Sept 2015	# Change	% Change
Serious Injuries Matched	6199	6413	-214	-3%
Serious Injuries Not Matched	5961	5752	209	4%
All Hospitalisations	12160	12165	-5	0%

Serious Injuries (All Hospitalisations)

	12 months ending Sept 2016 ^p	12 months ending Sept 2015	# Change	% Change
Road User Group				
Driver	4426	4244	182	4%
Passenger	1603	1662	-59	-4%
Motorcyclist	2554	2554	0	0%
Pedestrian	1109	1108	1	0%
Pedal Cyclist	1920	1999	-79	-4%
Other	548	598	-50	-8%
Total	12160	12165	-5	0%
Age Group				
0-4	103	96	7	7%
5-16	889	902	-13	-1%
17-20	1147	1170	-23	-2%
21-25	1381	1336	45	3%
26-29	936	866	70	8%
30-39	1950	1835	115	6%
40-49	1670	1785	-115	-6%
50-59	1612	1604	8	0%
60-69	1095	1130	-35	-3%
70-79	765	778	-13	-2%
80+	606	650	-44	-7%
Unknown	6	13	-7	-54%
Total	12160	12165	-5	0%
Gender				
Male	7825	7858	-33	0%
Female	4334	4306	28	1%
Unknown	1	1	0	0%
Total	12160	12165	-5	0%

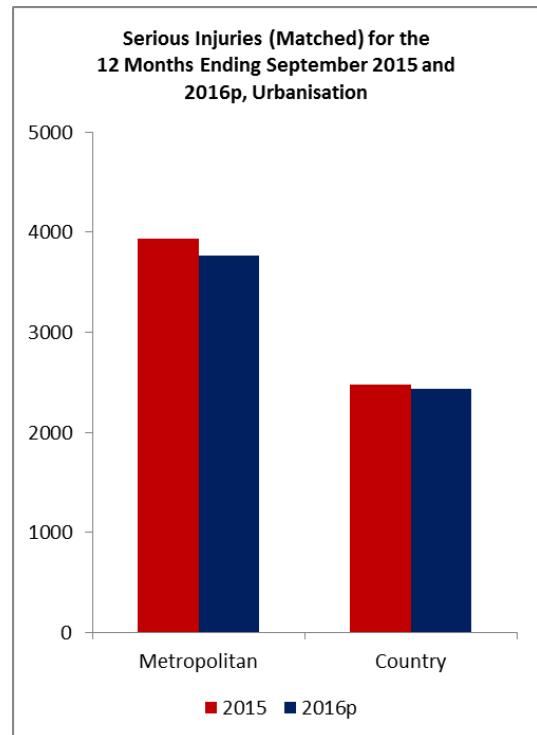
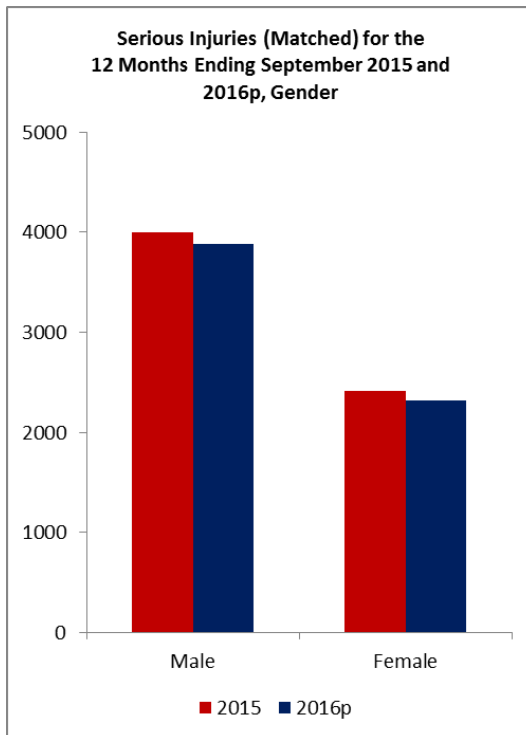
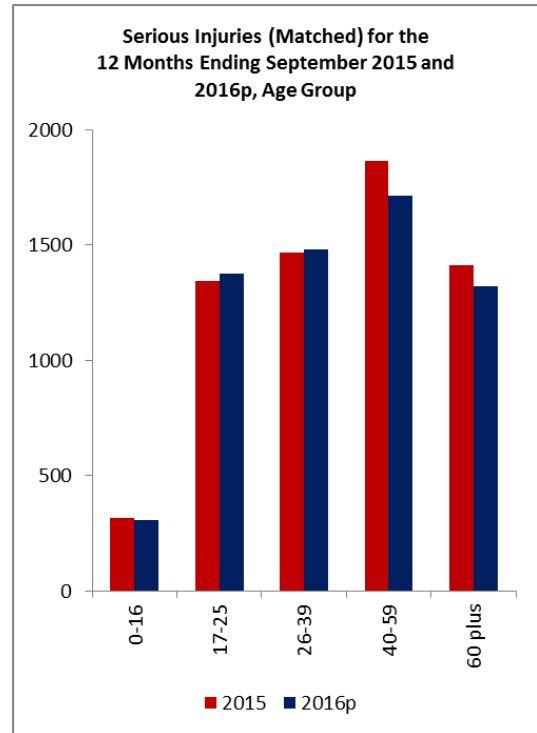
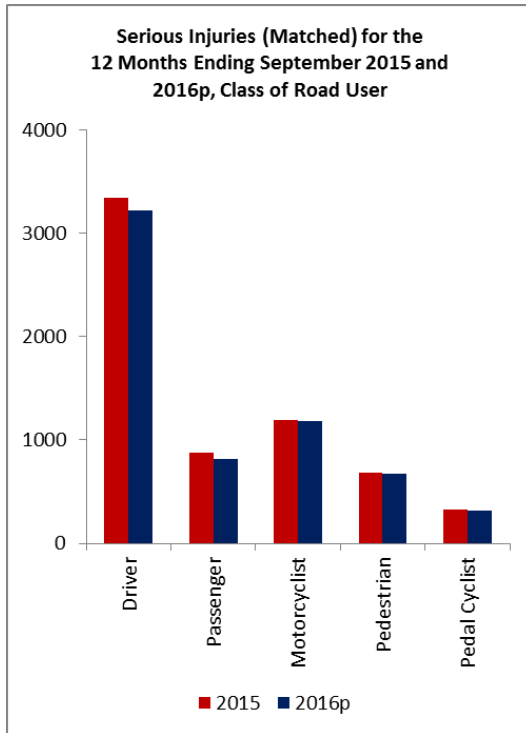
^p Preliminary data subject to change.



Serious Injuries (Matched)

	12 months ending Sept 2016p	12 months ending Sept 2015	# Change	% Change
Road User Group				
Driver	3218	3335	-117	-4%
Passenger	814	874	-60	-7%
Motorcyclist	1179	1194	-15	-1%
Pedestrian	675	679	-4	-1%
Pedal Cyclist	312	329	-17	-5%
Other Road User	1	2	-1	-50%
Total	6199	6413	-214	-3%
Age Group				
0-4	44	39	5	13%
5-16	263	275	-12	-4%
17-20	641	652	-11	-2%
21-25	733	692	41	6%
26-29	464	479	-15	-3%
30-39	1015	988	27	3%
40-49	863	968	-105	-11%
50-59	848	894	-46	-5%
60-69	612	628	-16	-3%
70-79	422	442	-20	-5%
80+	288	343	-55	-16%
Unknown	6	13	-7	-54%
Total	6199	6413	-214	-3%
Gender				
Male	3883	4000	-117	-3%
Female	2315	2412	-97	-4%
Unknown	1	1	0	0%
Total	6199	6413	-214	-3%
Urbanisation				
Metropolitan	3762	3936	-174	-4%
Country	2437	2477	-40	-2%
Total	6199	6413	-214	-3%

p Preliminary data subject to change.



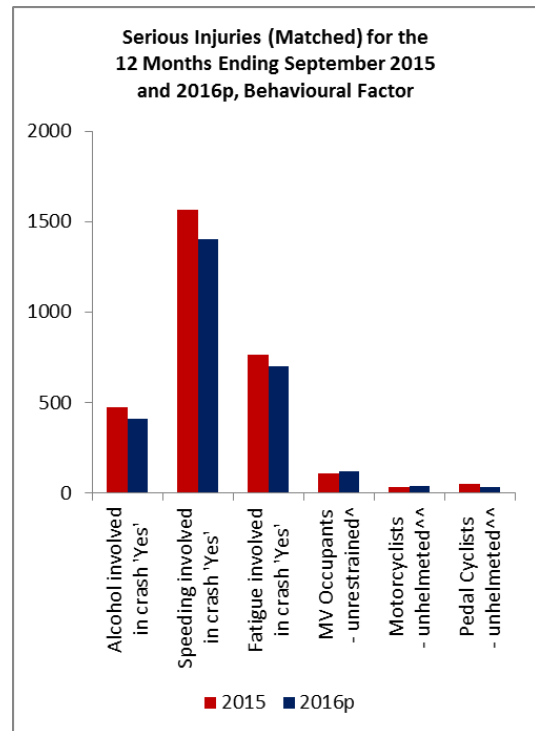
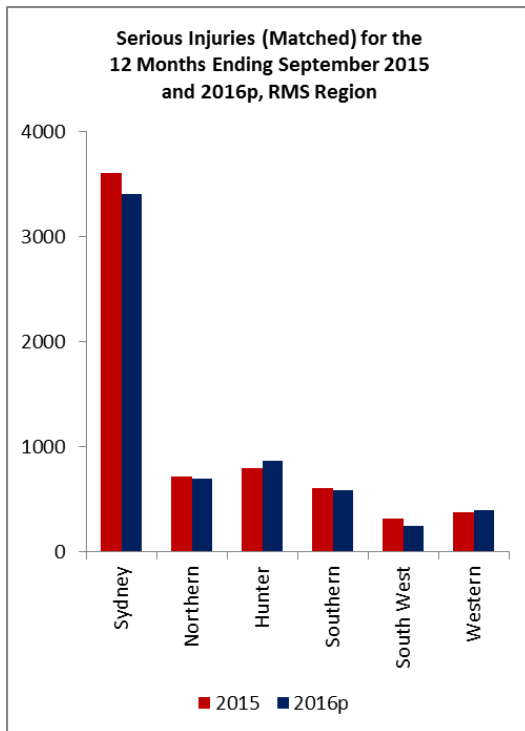
Serious Injuries (Matched) cont....

	12 months ending Sept 2016p	12 months ending Sept 2015	# Change	% Change
RMS Region (CRS)				
Sydney	3403	3604	-201	-6%
Northern	694	720	-26	-4%
Hunter	870	791	79	10%
Southern	585	604	-19	-3%
South West	249	320	-71	-22%
Western	398	374	24	6%
Total	6199	6413	-214	-3%
Behaviour Factors				
Alcohol involved in crash 'Yes'	412	477	-65	-14%
Speeding involved in crash 'Yes'	1404	1568	-164	-10%
Fatigue involved in crash 'Yes'	700	763	-63	-8%
Safety Device Usage				
Driver - unrestrained^	87	70	17	24%
Passenger - unrestrained^	33	40	-7	-18%
Motor Vehicle Occupants - unrestrained^	120	110	10	9%
Motorcyclists- unhelmeted^^	39	36	3	8%
Pedal Cyclists - unhelmeted^^	31	53	-22	-42%

^ belt not worn

^^ no helmet worn

p Preliminary data subject to change.

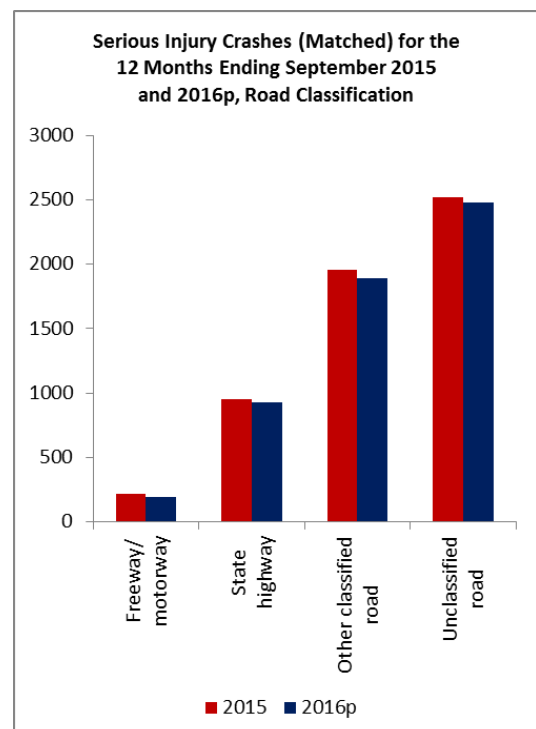
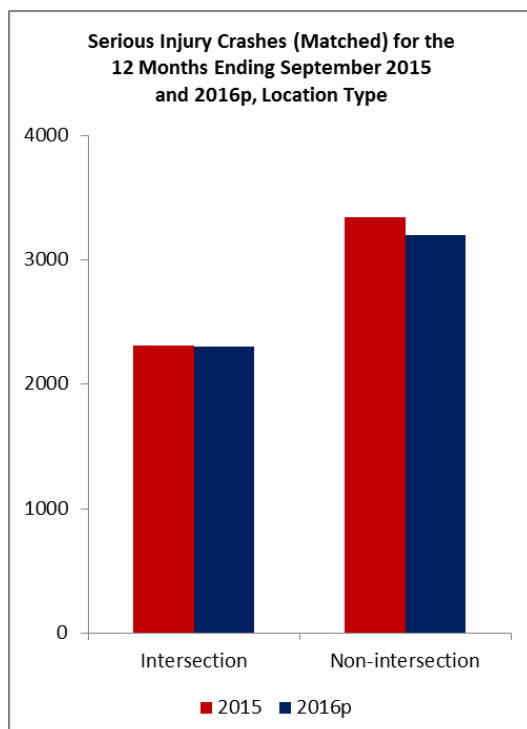


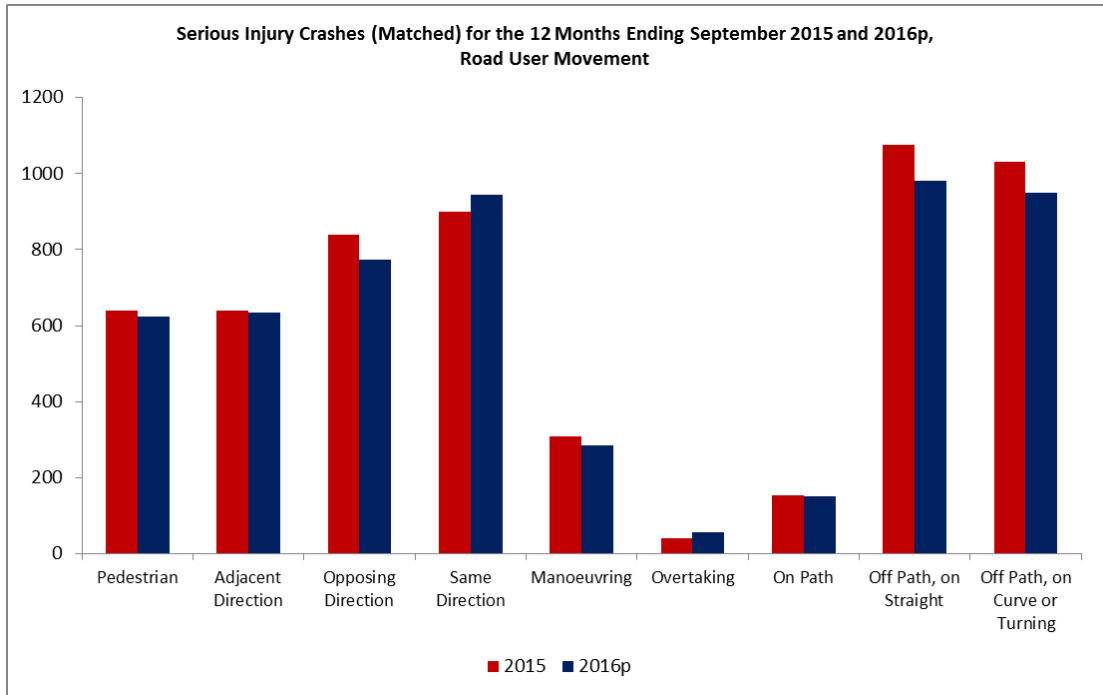
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Sept 2016p	12 months ending Sept 2015	# Change	% Change
Location type				
Intersection	2299	2309	-10	0%
Non-intersection	3199	3343	-144	-4%
Total	5498	5652	-154	-3%
Road classification				
Freeway/motorway	195	220	-25	-11%
State highway	926	950	-24	-3%
Other classified road	1895	1959	-64	-3%
Unclassified road	2482	2523	-41	-2%
Total	5498	5652	-154	-3%
Type of crash (RUM)				
Pedestrian	624	640	-16	-3%
Cross Traffic	317	353	-36	-10%
Other Turning Adjacent	318	287	31	11%
Head On (Not O'Taking)	289	355	-66	-19%
Other Turning Opposite	485	484	1	0%
Rear End (incl Left and Right Rear)	675	642	33	5%
Lane Side Swipe (incl lane change left / right)	189	188	1	1%
Other Turn Side Swipe	81	71	10	14%
Manoeuvring	286	308	-22	-7%
Overtaking	57	40	17	43%
On Path	152	154	-2	-1%
Off Path, on Straight	982	1075	-93	-9%
Off Path, on Curve or Turning	951	1031	-80	-8%
Miscellaneous / Unknown	92	24	68	283%
Total	5498	5652	-154	-3%

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 ^p	1551	1625	1452		4628
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 ^p	1618	1418	1382		4418
	All Hospitalisations	2005	2898	2947	2833	3089
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 ^p		3169	3043	2834		9046

^p Preliminary data subject to change.

⁴ Serious injuries are estimated to be under-enumerated by about 3 per cent for the latest quarter and are projected to increase by a magnitude of around 75.