



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending March 2017 (preliminary)

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Date: March Quarter 2017
Version: 1
Division: Freight Strategy and Planning
Branch: Centre for Road Safety
Review date: September 2017

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 –

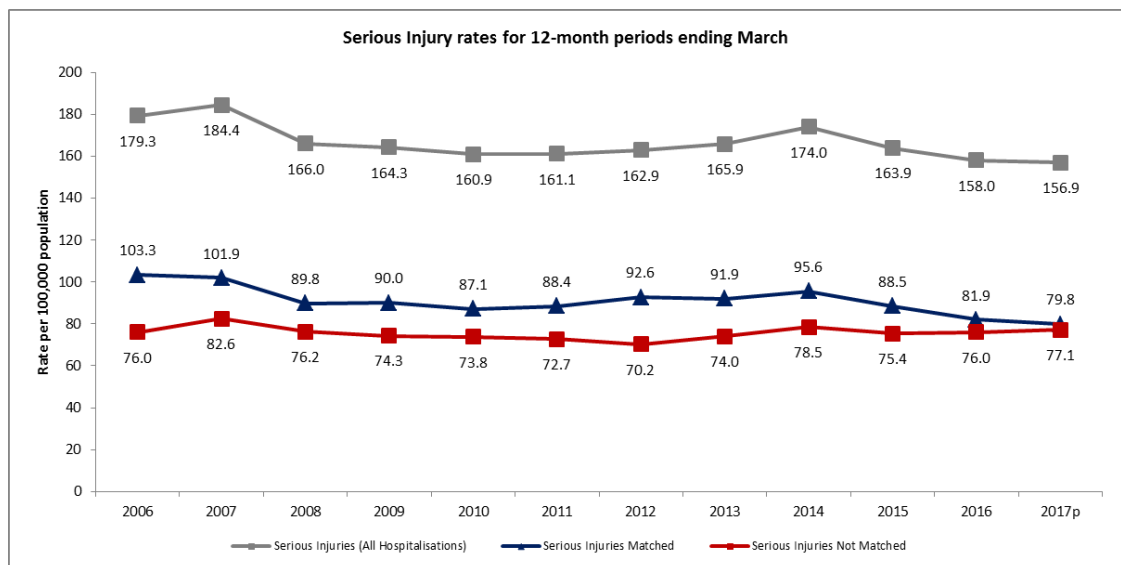
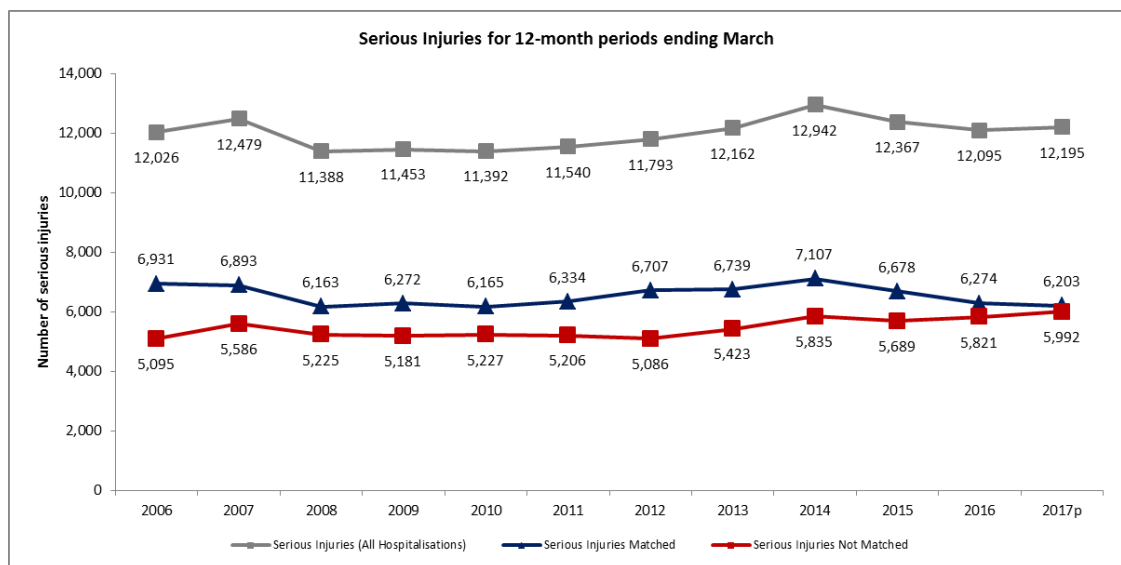
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.

2 Serious Injury Trends

There were a total of 3,029 serious injuries (all hospitalisations) for the March 2017 quarter, 135 (4 per cent) fewer than the December 2016 quarter. Over the 12 month period ending March 2017 there were 12,195 serious injuries (all hospitalisations), 100 more than the 12 month period ending March 2016. The serious injury rate for the 12 months ending March 2017 was 156.9 per 100,000 population.

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

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	12,195	156.9
Serious injuries (matched) ²	6,203	79.8
Serious injuries (not matched) ³	5,992	77.1



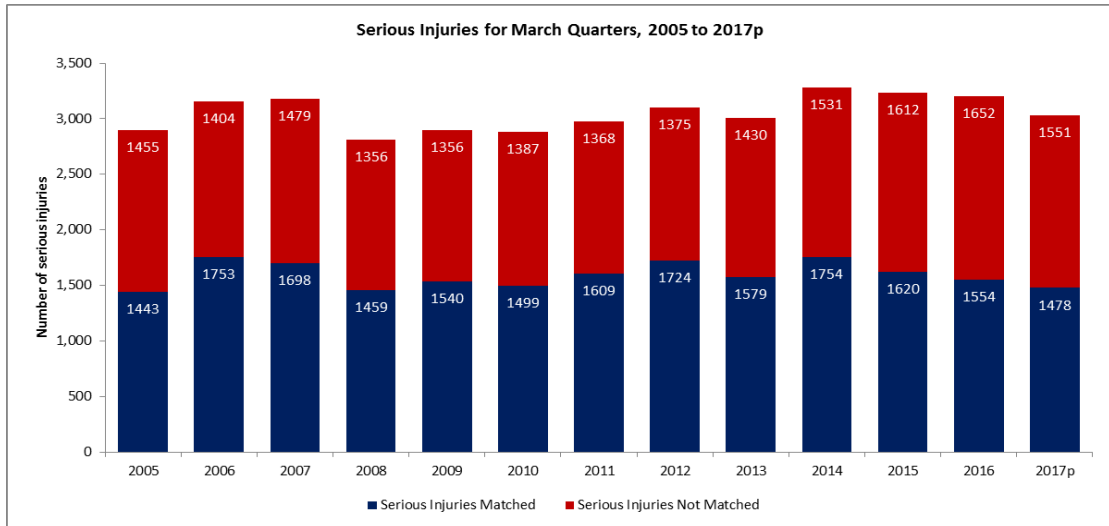
¹ Based on preliminary estimated population data

² Serious injuries matched to a police crash report

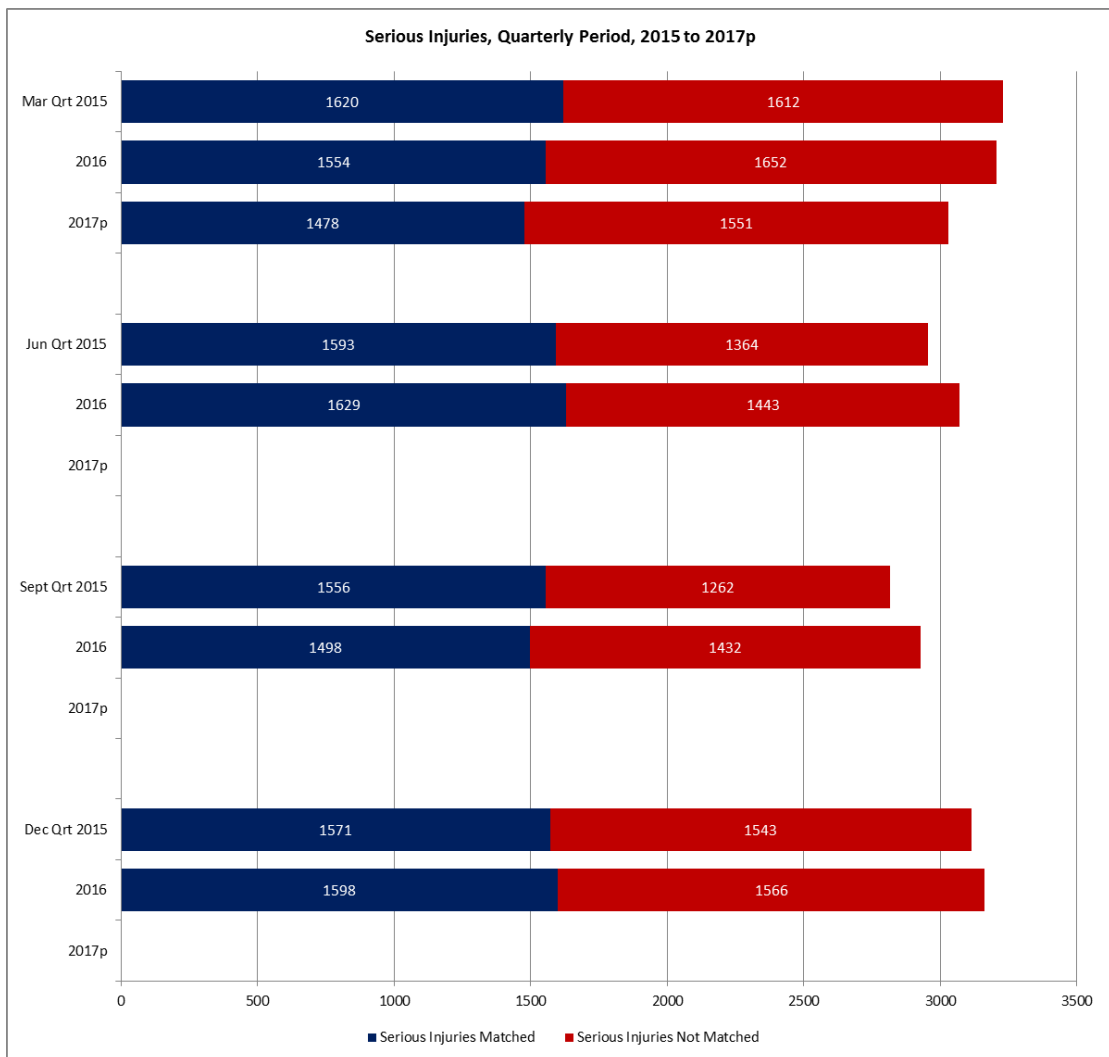
³ Serious injuries not matched to a police crash report

3 Quarterly Comparison

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



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



4 Rolling 12 Month Statistics

4.1 Serious injuries

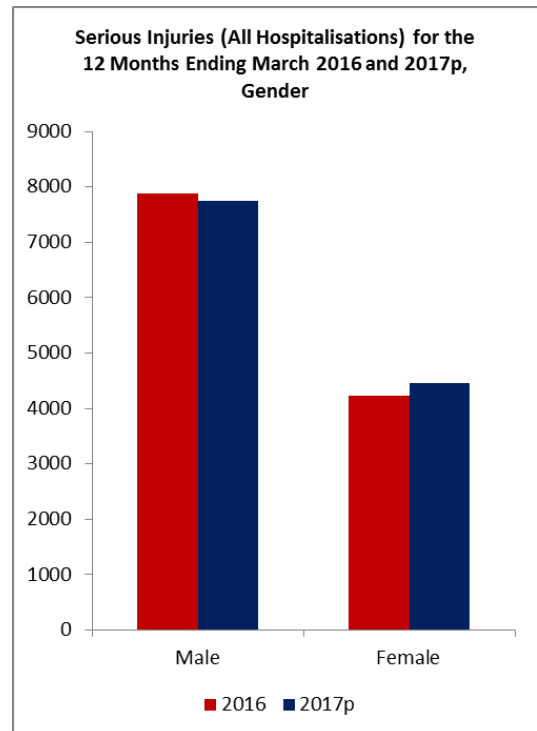
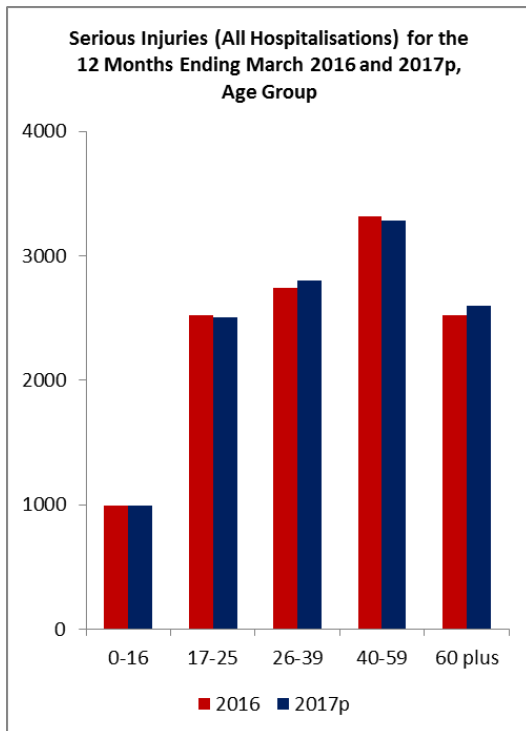
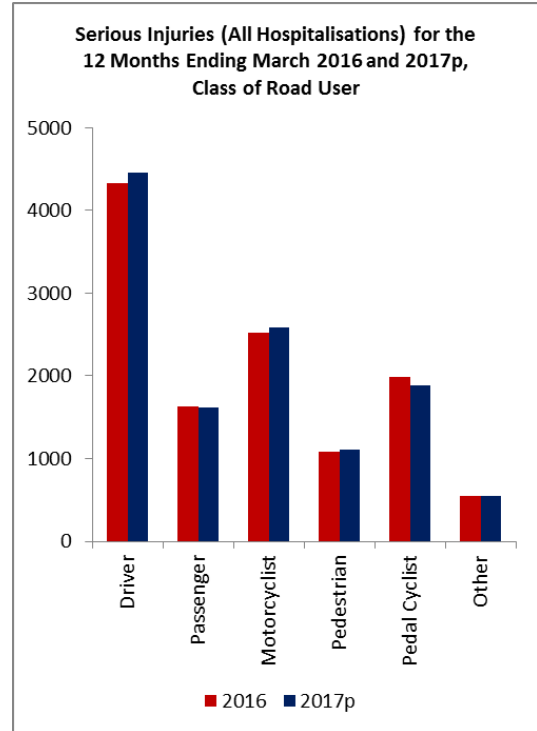
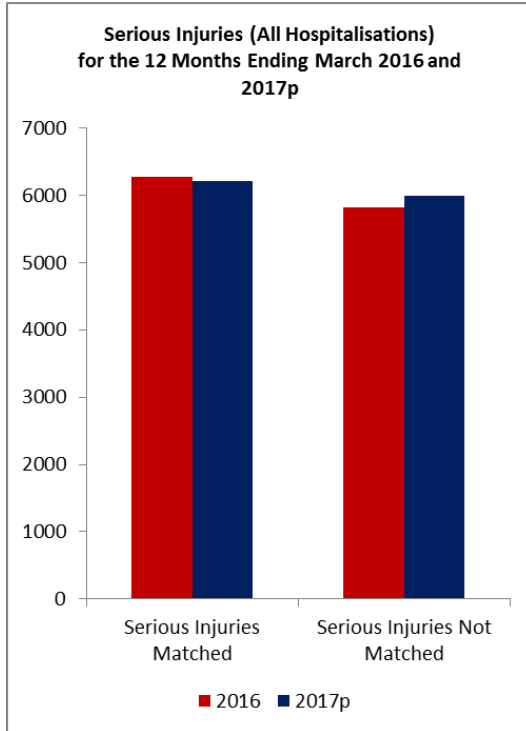
Overall

	12 months ending Mar 2017 ^p	12 months ending Mar 2016	# Change	% Change
Serious Injuries Matched	6203	6274	-71	-1%
Serious Injuries Not Matched	5992	5821	171	3%
All Hospitalisations	12195	12095	100	1%

Serious Injuries (All Hospitalisations)

	12 months ending Mar 2017 ^p	12 months ending Mar 2016	# Change	% Change
Road User Group				
Driver	4449	4332	117	3%
Passenger	1620	1635	-15	-1%
Motorcyclist	2588	2515	73	3%
Pedestrian	1102	1080	22	2%
Pedal Cyclist	1889	1986	-97	-5%
Other	547	547	0	0%
Total	12195	12095	100	1%
Age Group				
0-4	116	106	10	9%
5-16	879	886	-7	-1%
17-20	1105	1174	-69	-6%
21-25	1404	1346	58	4%
26-29	882	892	-10	-1%
30-39	1917	1849	68	4%
40-49	1656	1728	-72	-4%
50-59	1630	1586	44	3%
60-69	1165	1117	48	4%
70-79	816	763	53	7%
80+	617	638	-21	-3%
Unknown	8	10	-2	-20%
Total	12195	12095	100	1%
Gender				
Male	7741	7872	-131	-2%
Female	4454	4222	232	5%
Unknown	0	1	-1	-100%
Total	12195	12095	100	1%

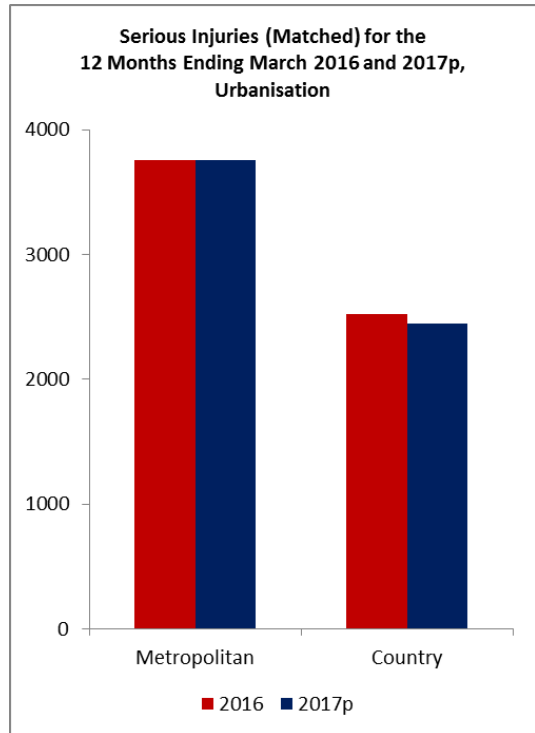
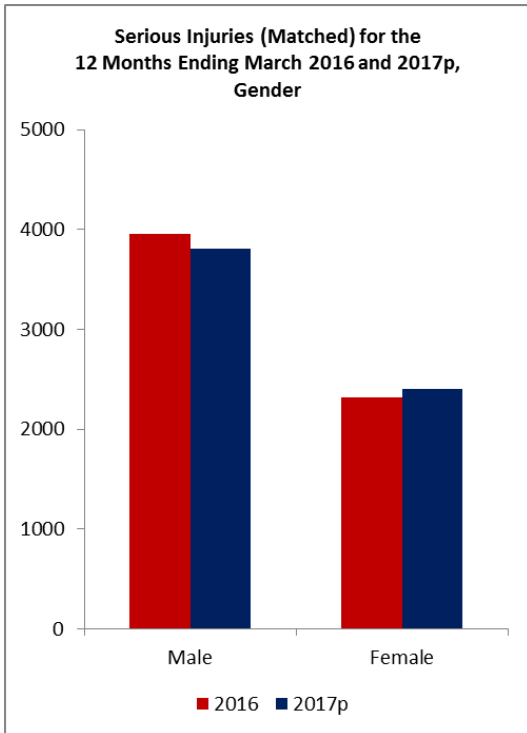
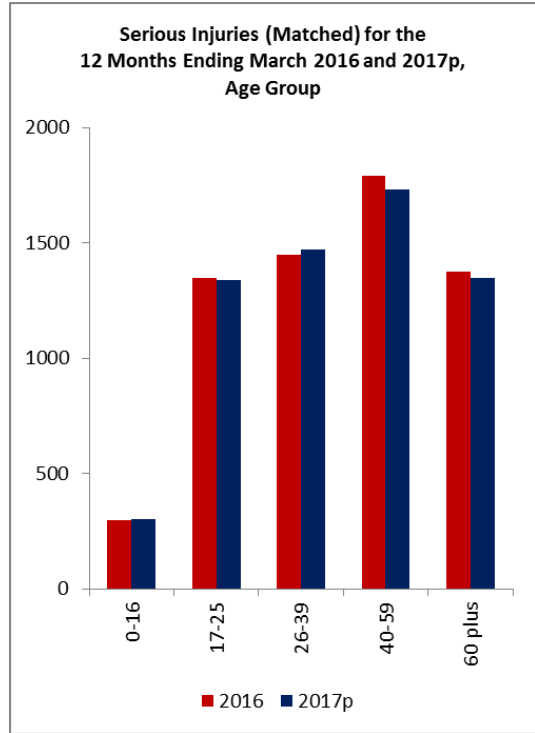
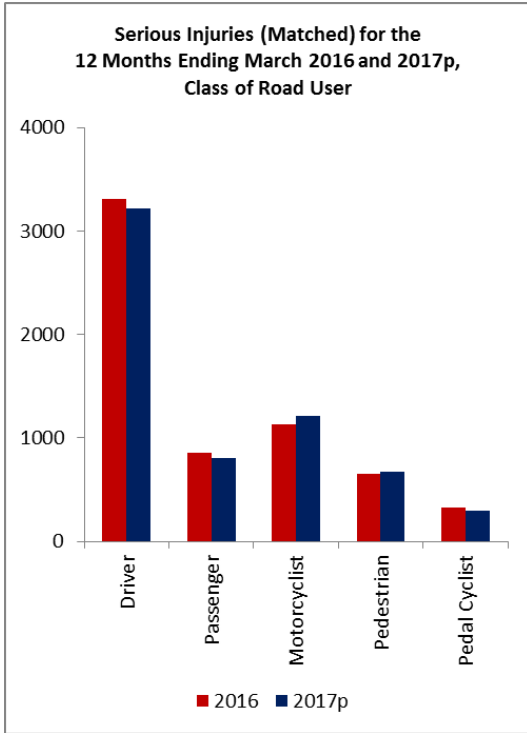
^p Preliminary data subject to change.



Serious Injuries (Matched)

	12 months ending Mar 2017p	12 months ending Mar 2016	# Change	% Change
Road User Group				
Driver	3222	3306	-84	-3%
Passenger	807	860	-53	-6%
Motorcyclist	1209	1135	74	7%
Pedestrian	674	648	26	4%
Pedal Cyclist	291	323	-32	-10%
Other Road User	0	2	-2	-100%
Total	6203	6274	-71	-1%
Age Group				
0-4	57	43	14	33%
5-16	246	256	-10	-4%
17-20	613	645	-32	-5%
21-25	727	703	24	3%
26-29	453	455	-2	0%
30-39	1019	994	25	3%
40-49	848	934	-86	-9%
50-59	882	857	25	3%
60-69	629	625	4	1%
70-79	441	431	10	2%
80+	280	321	-41	-13%
Unknown	8	10	-2	-20%
Total	6203	6274	-71	-1%
Gender				
Male	3805	3960	-155	-4%
Female	2398	2313	85	4%
Unknown	0	1	-1	-100%
Total	6203	6274	-71	-1%
Urbanisation				
Metropolitan	3755	3753	2	0%
Country	2448	2521	-73	-3%
Total	6203	6274	-71	-1%

p Preliminary data subject to change.



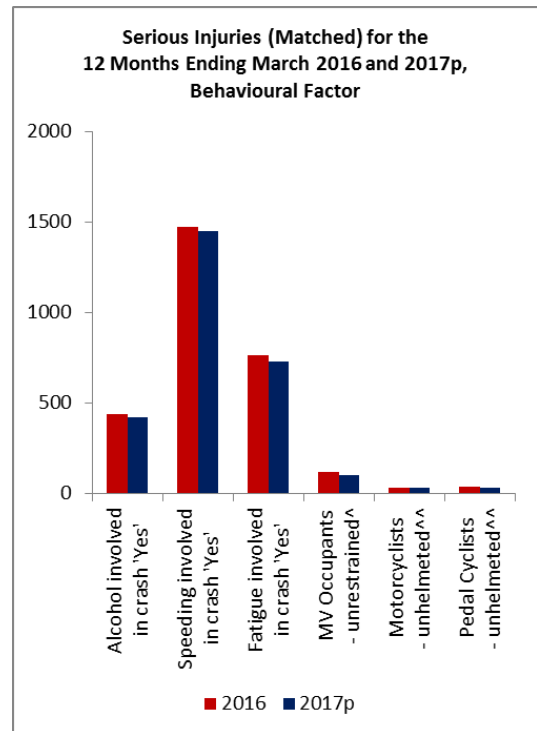
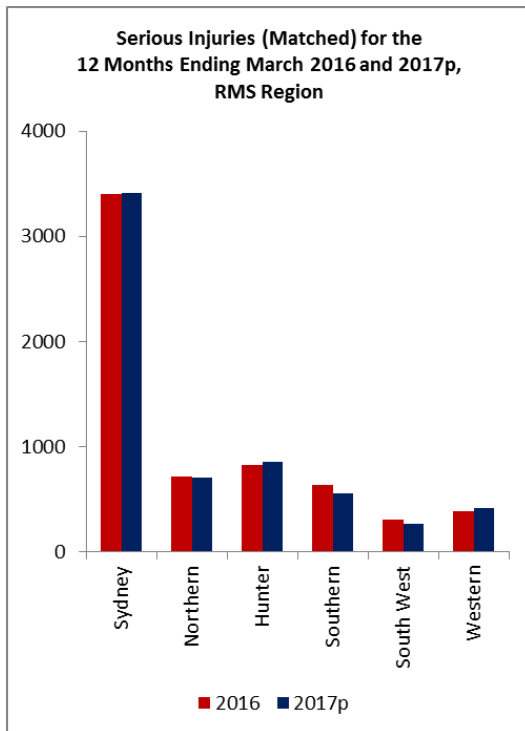
Serious Injuries (Matched) cont....

	12 months ending Mar 2017p	12 months ending Mar 2016	# Change	% Change
RMS Region (CRS)				
Sydney	3412	3406	6	0%
Northern	702	716	-14	-2%
Hunter	851	821	30	4%
Southern	559	640	-81	-13%
South West	267	303	-36	-12%
Western	412	388	24	6%
Total	6203	6274	-71	-1%
Behaviour Factors				
Alcohol involved in crash 'Yes'	422	442	-20	-5%
Speeding involved in crash 'Yes'	1447	1474	-27	-2%
Fatigue involved in crash 'Yes'	731	763	-32	-4%
Safety Device Usage				
Driver - unrestrained^	77	81	-4	-5%
Passenger - unrestrained^	27	37	-10	-27%
Motor Vehicle Occupants - unrestrained^	104	118	-14	-12%
Motorcyclists- unhelmeted^^	35	35	0	0%
Pedal Cyclists - unhelmeted^^	32	40	-8	-20%

^ belt not worn

^^ no helmet worn

p Preliminary data subject to change.

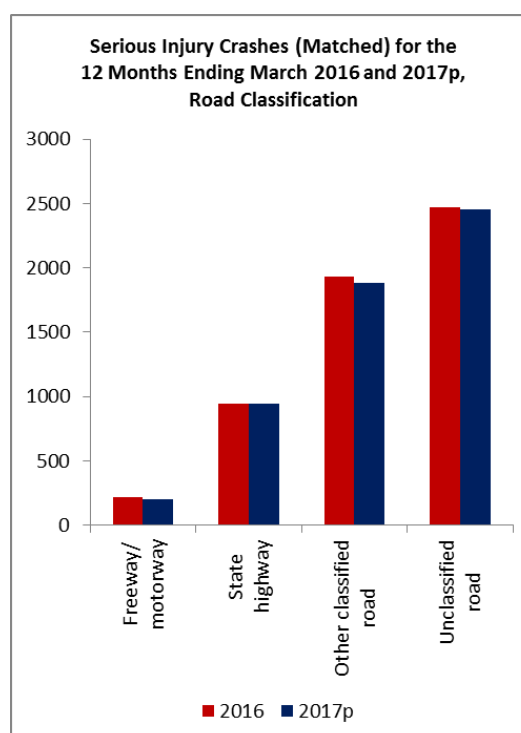
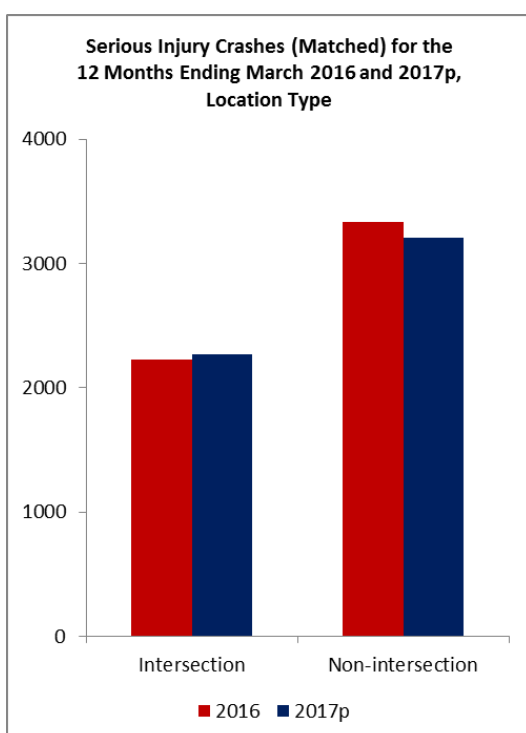


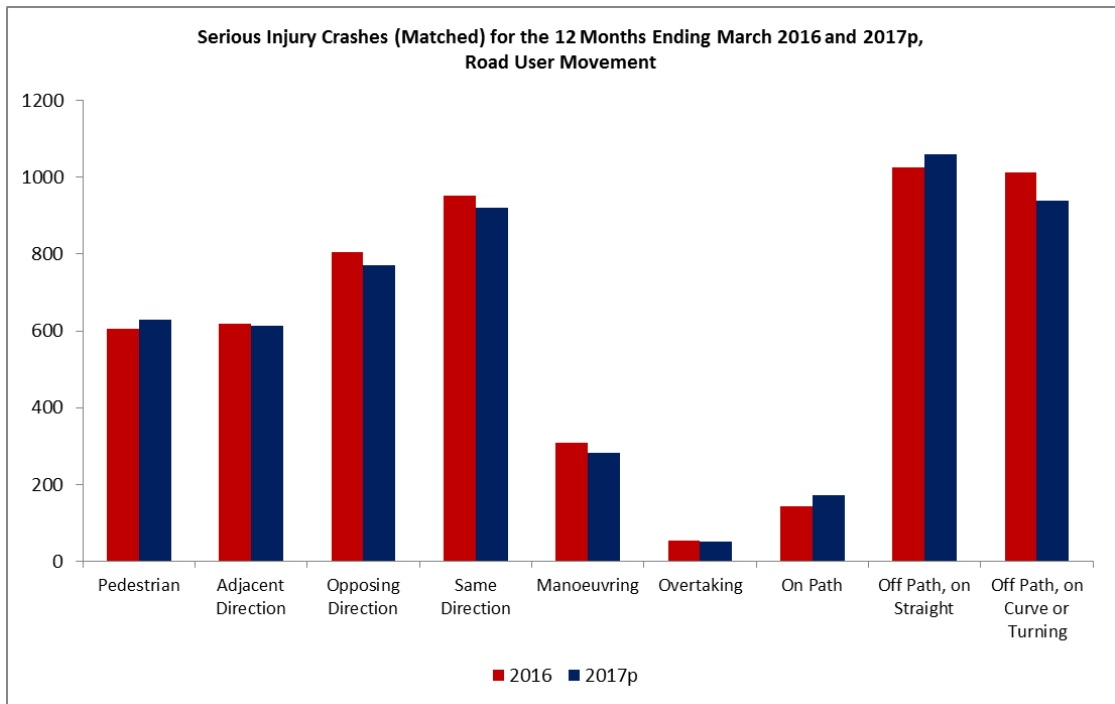
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Mar 2017p	12 months ending Mar 2016	# Change	% Change
Location type				
Intersection	2270	2227	43	2%
Non-intersection	3207	3330	-123	-4%
Total	5477	5557	-80	-1%
Road classification				
Freeway/motorway	198	216	-18	-8%
State highway	942	945	-3	0%
Other classified road	1884	1928	-44	-2%
Unclassified road	2453	2468	-15	-1%
Total	5477	5557	-80	-1%
Type of crash (RUM)				
Pedestrian	628	605	23	4%
Cross Traffic	316	334	-18	-5%
Other Turning Adjacent	297	284	13	5%
Head On (Not O'Taking)	284	345	-61	-18%
Other Turning Opposite	487	461	26	6%
Rear End (incl Left and Right Rear)	655	674	-19	-3%
Lane Side Swipe (incl lane change left / right)	184	210	-26	-12%
Other Turn Side Swipe	81	68	13	19%
Manoeuvring	282	309	-27	-9%
Overtaking	52	54	-2	-4%
On Path	173	144	29	20%
Off Path, on Straight	1060	1025	35	3%
Off Path, on Curve or Turning	938	1013	-75	-7%
Miscellaneous / Unknown	40	31	9	29%
Total	5477	5557	-80	-1%

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	1478				1478
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	1551				1551
	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		3206	3072	2930	3164	12372
2017p ⁱ		3029				3029

p Preliminary data subject to change.

⁴ Serious injuries are estimated to be under-enumerated by about 5 per cent for the latest quarter and are projected to increase by a magnitude of around 160.