



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending June 2019 (preliminary)

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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) for providing data on Compulsory Third Party insurance claims and the Lifetime Care and Support Authority for data on 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.
- The Cause of Death Unit Record File (COD URF) is provided by the Australian Coordinating Registry for the COD URF on behalf of the NSW Registry of Births, Deaths and Marriages, NSW Coroner and the National Coronial Information System.
- The Ambulance Service of NSW for providing data from the Computer-Aided Dispatch, electronic Medical Record and Patient Health Care Record systems.

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 –

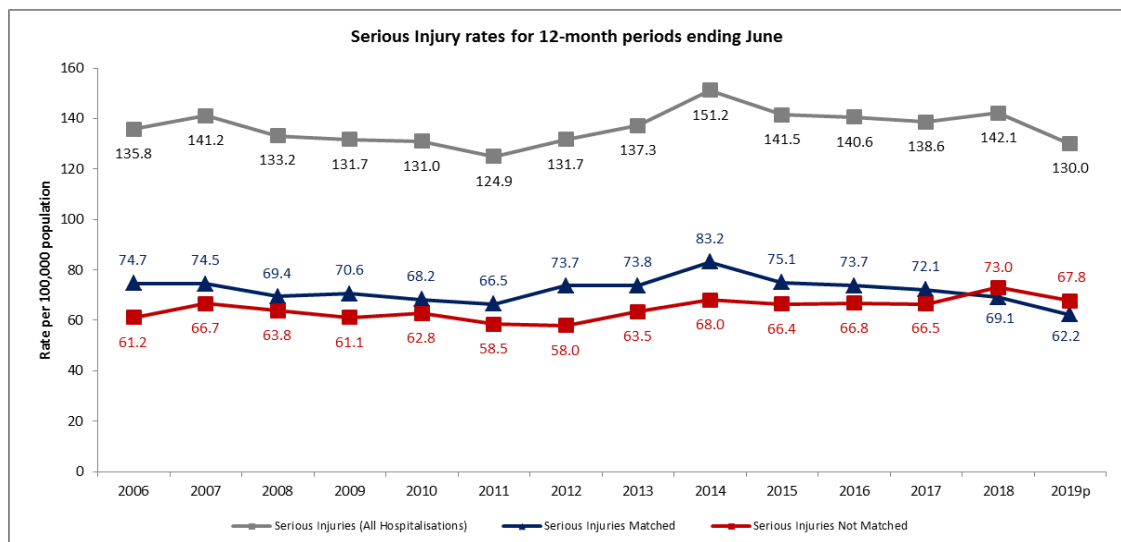
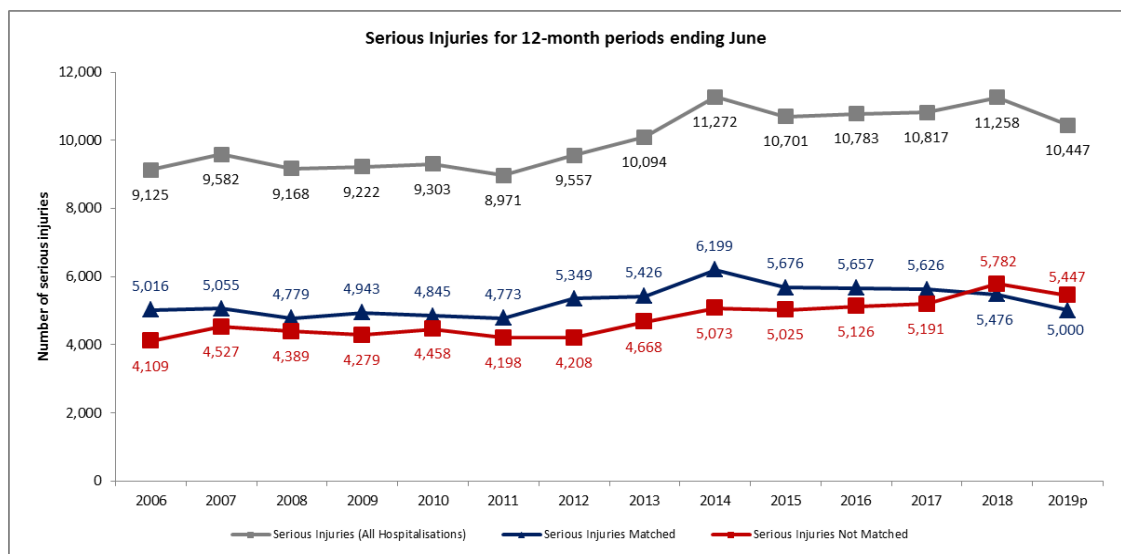
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

2 Serious Injury Trends

There were a total of 2,527 serious injuries (all hospitalisations) for the June 2019 quarter, 250 (9 per cent) fewer than the June 2018 quarter. Over the 12 month period ending June 2019 there were 10,447 serious injuries (all hospitalisations), 811 fewer than the 12 month period ending June 2018. The serious injury rate for the 12 months ending June 2019 was 130.0 per 100,000 population.

Serious injury numbers and rates for 12-mth period ending June 2019p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	10,447	130.0
Serious injuries (matched) ²	5,000	62.2
Serious injuries (not matched) ³	5,447	67.8



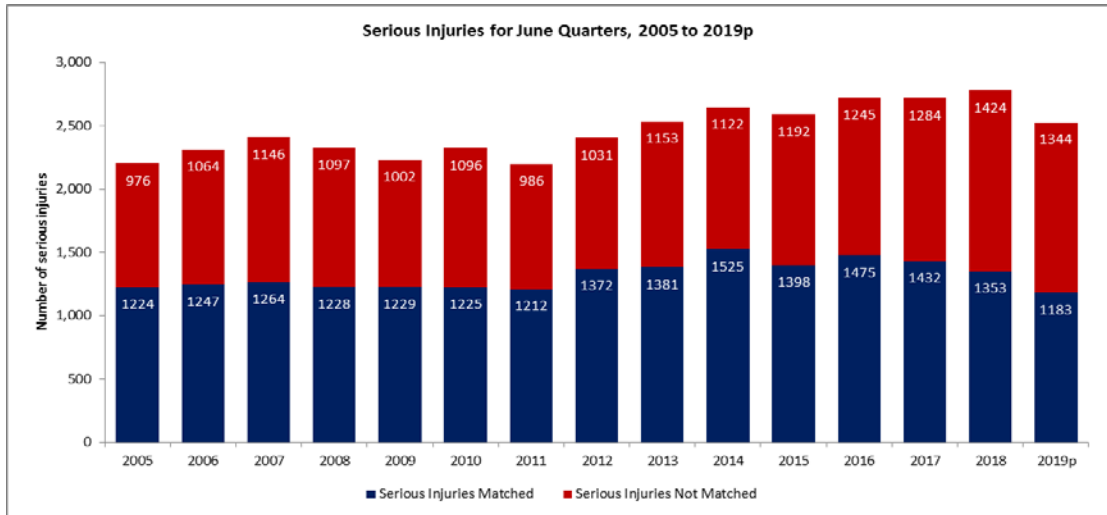
¹ Based on preliminary estimated population data

² Serious injuries matched to a police crash report

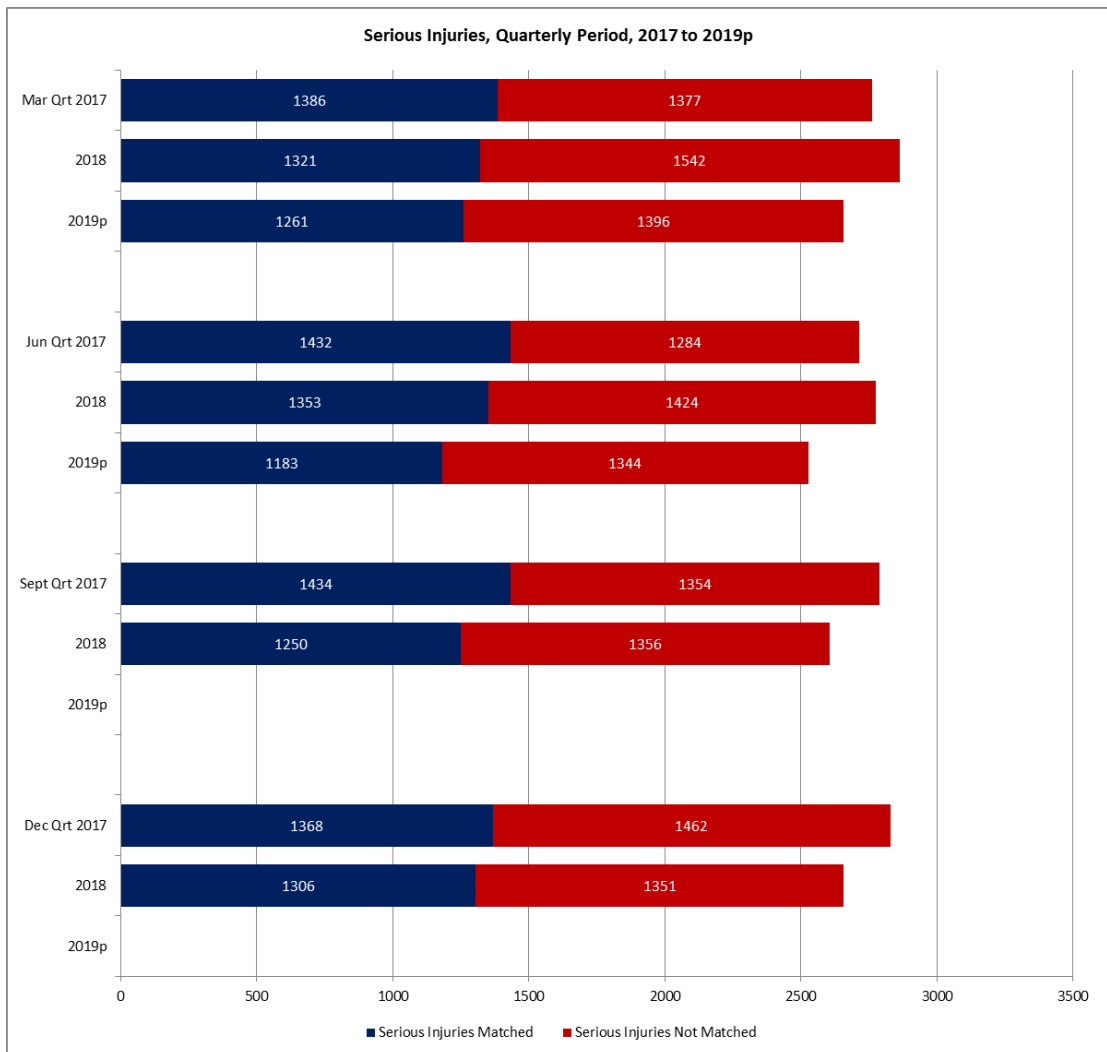
³ Serious injuries not matched to a police crash report

3 Quarterly Comparison

3.1 NSW serious injuries for June Quarter: 2005 to 2019p



3.2 NSW serious injuries: quarterly comparison, 2017 to 2019p



4 Rolling 12 Month Statistics

4.1 Serious injuries

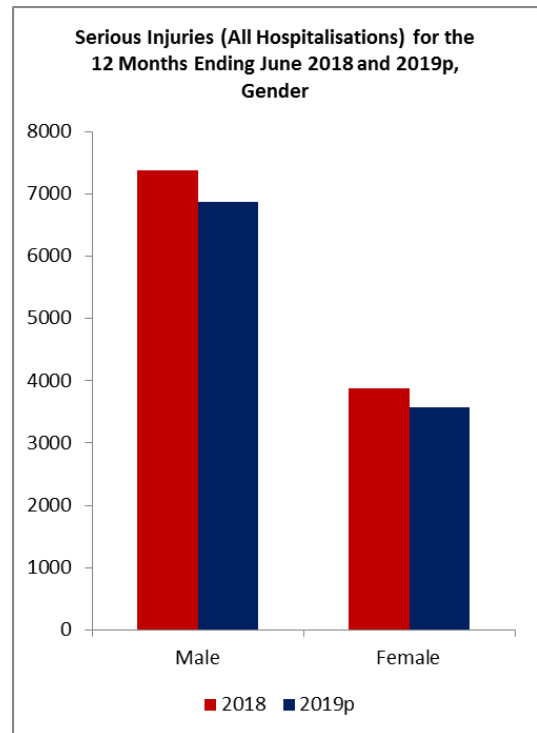
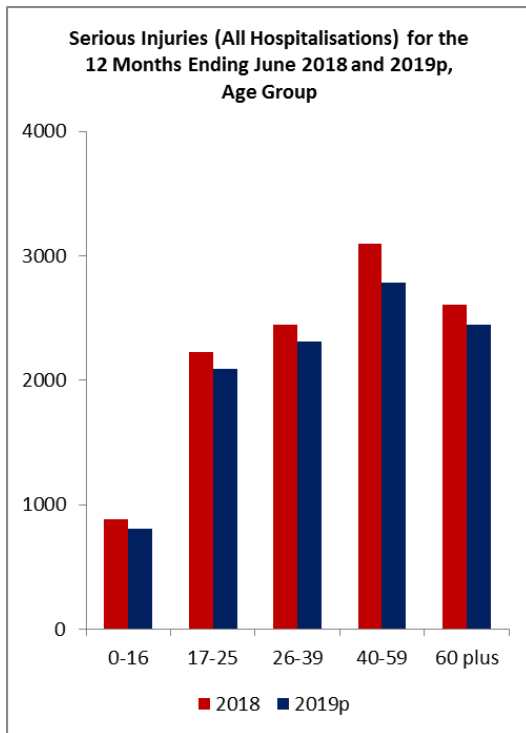
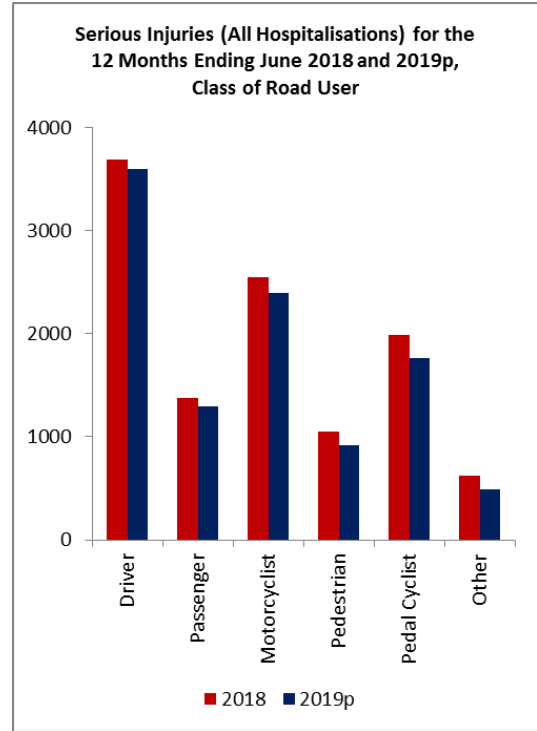
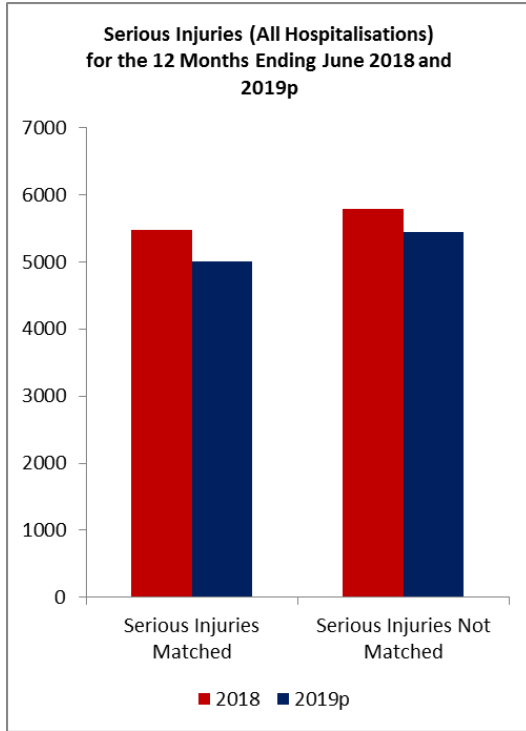
Overall

	12 months ending Jun 2019p	12 months ending Jun 2018	# Change	% Change
Serious Injuries Matched	5000	5476	-476	-9%
Serious Injuries Not Matched	5447	5782	-335	-6%
All Hospitalisations	10447	11258	-811	-7%

Serious Injuries (All Hospitalisations)

	12 months ending Jun 2019p	12 months ending Jun 2018	# Change	% Change
Road User Group				
Driver	3593	3689	-96	-3%
Passenger	1289	1371	-82	-6%
Motorcyclist	2393	2548	-155	-6%
Pedestrian	921	1049	-128	-12%
Pedal Cyclist	1757	1982	-225	-11%
Other	494	619	-125	-20%
Total	10447	11258	-811	-7%
Age Group				
0-4	73	75	-2	-3%
5-16	736	811	-75	-9%
17-20	965	1026	-61	-6%
21-25	1128	1199	-71	-6%
26-29	753	840	-87	-10%
30-39	1556	1605	-49	-3%
40-49	1443	1588	-145	-9%
50-59	1338	1506	-168	-11%
60-69	1073	1091	-18	-2%
70-79	768	814	-46	-6%
80+	603	698	-95	-14%
Unknown	11	5	6	120%
Total	10447	11258	-811	-7%
Gender				
Male	6866	7384	-518	-7%
Female	3581	3874	-293	-8%
Unknown	0	0	0	n/a
Total	10447	11258	-811	-7%

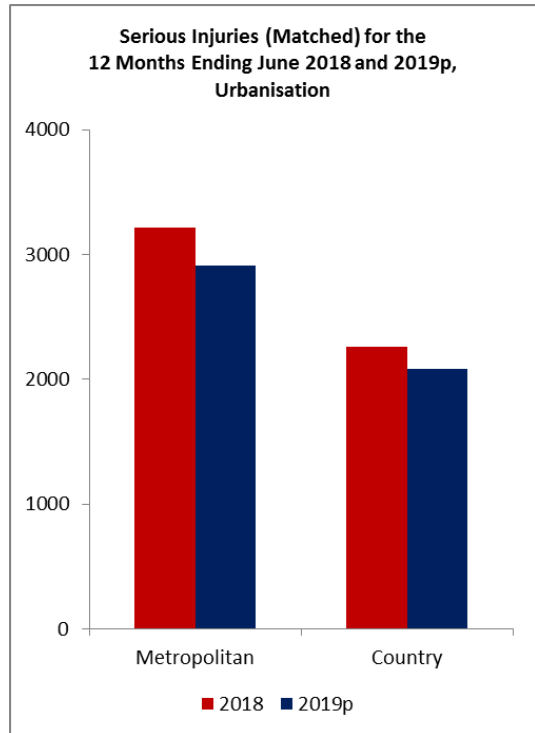
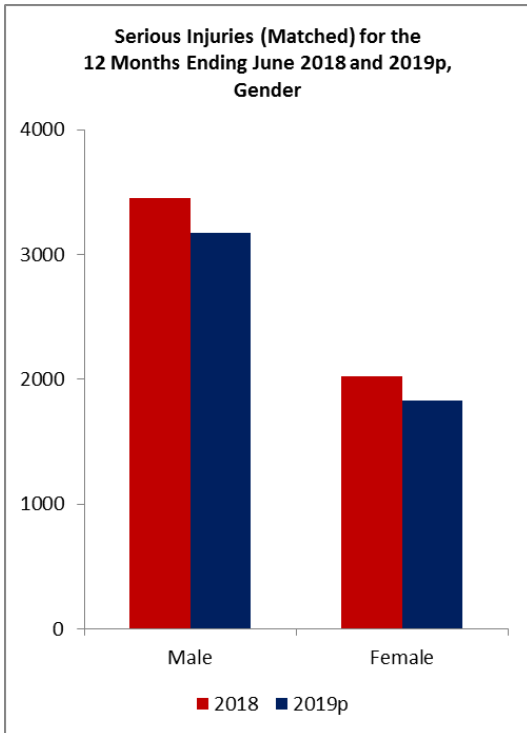
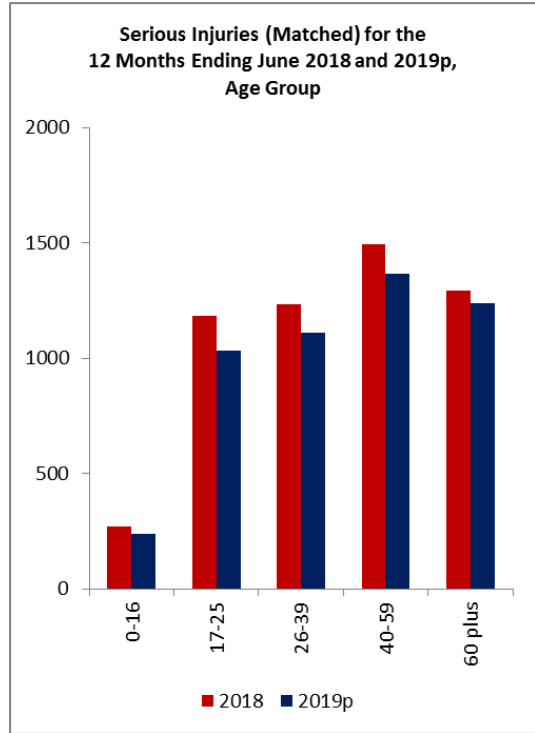
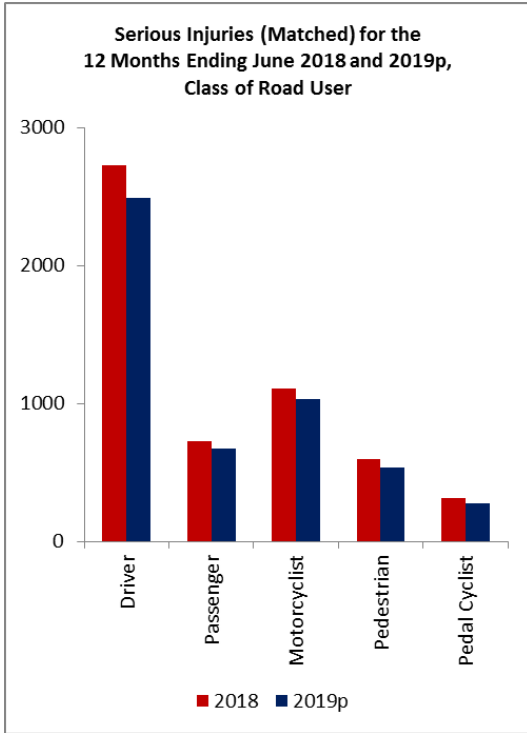
p Preliminary data subject to change.



Serious Injuries (Matched)

	12 months ending Jun 2019 ^p	12 months ending Jun 2018	# Change	% Change
Road User Group				
Driver	2486	2728	-242	-9%
Passenger	672	728	-56	-8%
Motorcyclist	1031	1106	-75	-7%
Pedestrian	533	599	-66	-11%
Pedal Cyclist	278	314	-36	-11%
Other Road User	0	1	-1	-100%
Total	5000	5476	-476	-9%
Age Group				
0-4	26	20	6	30%
5-16	214	248	-34	-14%
17-20	481	570	-89	-16%
21-25	552	612	-60	-10%
26-29	341	426	-85	-20%
30-39	771	806	-35	-4%
40-49	684	737	-53	-7%
50-59	680	759	-79	-10%
60-69	563	544	19	3%
70-79	385	405	-20	-5%
80+	292	344	-52	-15%
Unknown	11	5	6	120%
Total	5000	5476	-476	-9%
Gender				
Male	3170	3451	-281	-8%
Female	1830	2025	-195	-10%
Unknown	0	0	0	n/a
Total	5000	5476	-476	-9%
Urbanisation				
Metropolitan	2914	3215	-301	-9%
Country	2086	2261	-175	-8%
Total	5000	5476	-476	-9%

^p Preliminary data subject to change.



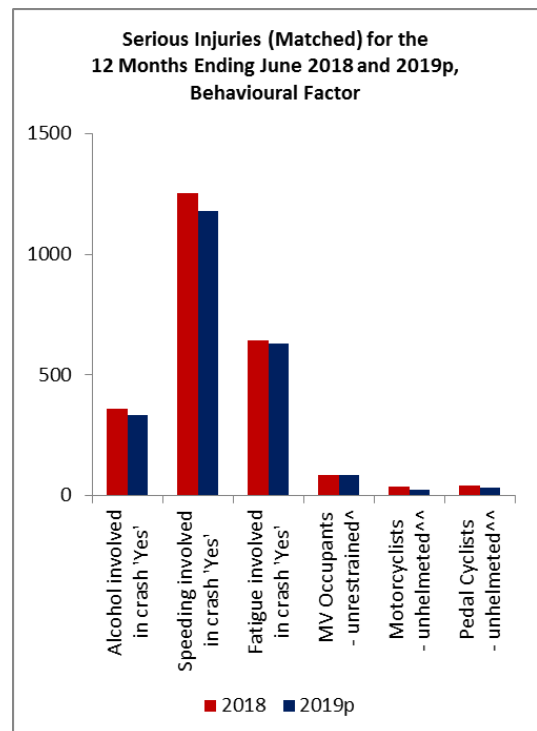
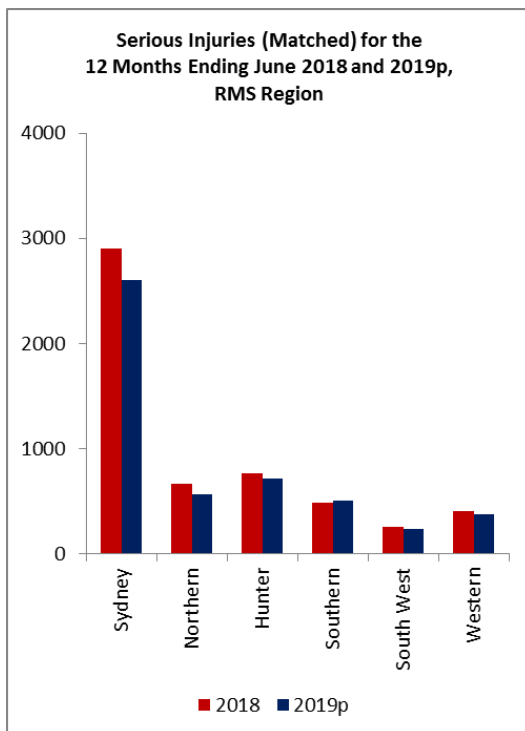
Serious Injuries (Matched) cont....

	12 months ending Jun 2019p	12 months ending Jun 2018	# Change	% Change
RMS Region (CRS)				
Sydney	2607	2902	-295	-10%
Northern	562	661	-99	-15%
Hunter	713	769	-56	-7%
Southern	509	484	25	5%
South West	233	255	-22	-9%
Western	376	405	-29	-7%
Total	5000	5476	-476	-9%
Behaviour Factors				
Alcohol involved in crash 'Yes'	335	362	-27	-7%
Speeding involved in crash 'Yes'	1179	1252	-73	-6%
Fatigue involved in crash 'Yes'	629	644	-15	-2%
Safety Device Usage				
Driver - unrestrained^	60	61	-1	-2%
Passenger - unrestrained^	27	26	1	4%
Motor Vehicle Occupants - unrestrained^	87	87	0	0%
Motorcyclists- unhelmeted^^	26	38	-12	-32%
Pedal Cyclists - unhelmeted^^	35	43	-8	-19%

^ belt not worn

^^ no helmet worn

p Preliminary data subject to change.

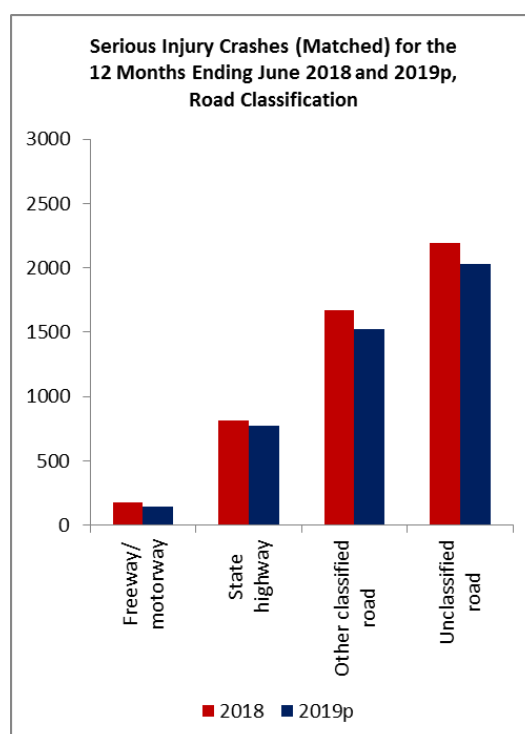
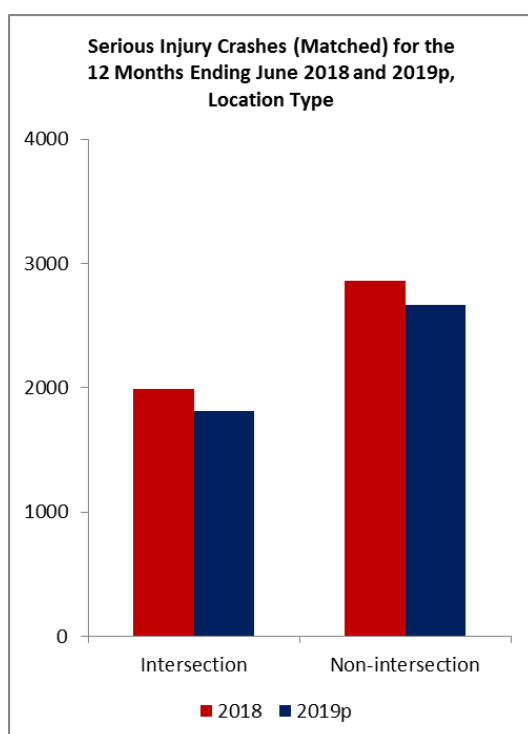


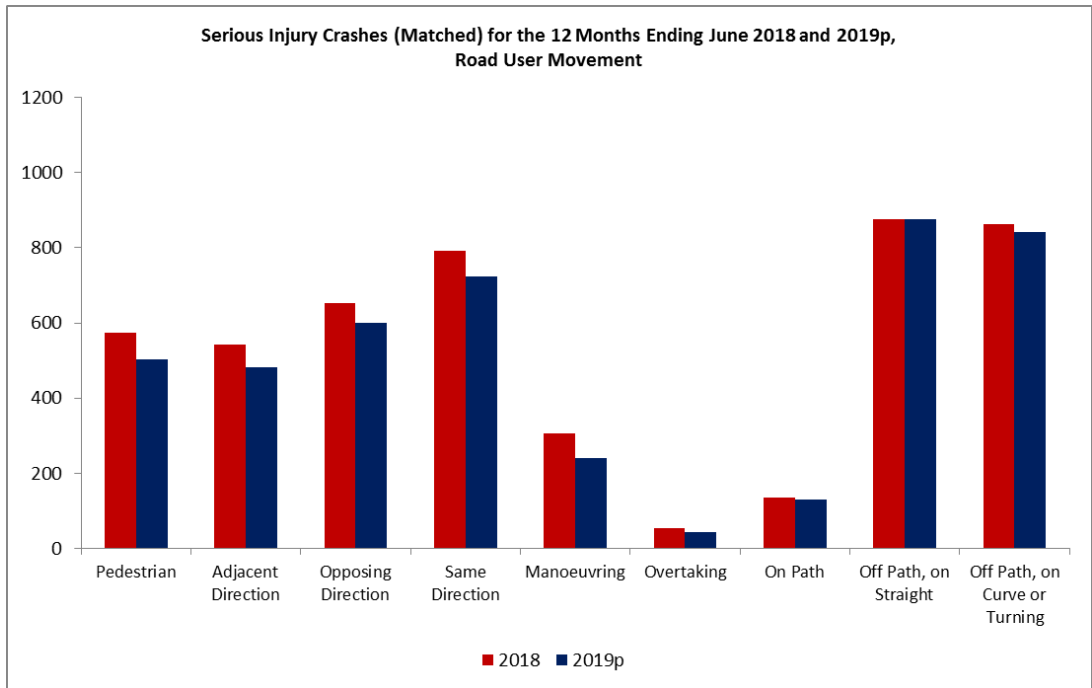
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Jun 2019p	12 months ending Jun 2018	# Change	% Change
Location type				
Intersection	1814	1991	-177	-9%
Non-intersection	2662	2857	-195	-7%
Total	4476	4848	-372	-8%
Road classification				
Freeway/motorway	146	177	-31	-18%
State highway	773	811	-38	-5%
Other classified road	1525	1667	-142	-9%
Unclassified road	2032	2193	-161	-7%
Total	4476	4848	-372	-8%
Type of crash (RUM)				
Pedestrian	504	575	-71	-12%
Cross Traffic	261	304	-43	-14%
Other Turning Adjacent	221	239	-18	-8%
Head On (Not O'Taking)	255	253	2	1%
Other Turning Opposite	344	400	-56	-14%
Rear End (incl Left and Right Rear)	507	563	-56	-10%
Lane Side Swipe (incl lane change left / right)	166	168	-2	-1%
Other Turn Side Swipe	50	60	-10	-17%
Manoeuvring	240	306	-66	-22%
Overtaking	44	53	-9	-17%
On Path	130	135	-5	-4%
Off Path, on Straight	877	877	0	0%
Off Path, on Curve or Turning	841	863	-22	-3%
Miscellaneous / Unknown	36	52	-16	-31%
Total	4476	4848	-372	-8%

p Preliminary data subject to change.





5 Annual Statistics

5.1 Serious injuries⁴

		Quarter				Total
		Q1	Q2	Q3	Q4	
Serious Injuries Matched	Year					
	2005	1035	1224	1215	1281	4755
	2006	1273	1247	1242	1257	5019
	2007	1292	1264	1206	1191	4953
	2008	1154	1228	1205	1290	4877
	2009	1219	1229	1168	1298	4914
	2010	1154	1225	1124	1182	4685
	2011	1255	1212	1282	1364	5113
	2012	1331	1372	1335	1398	5436
	2013	1312	1381	1522	1612	5827
	2014	1540	1525	1422	1430	5917
	2015	1426	1398	1362	1417	5603
	2016	1403	1475	1345	1463	5686
2017	1386	1432	1434	1368	5620	
2018	1321	1353	1250	1306	5230	
2019 ^p	1261	1183			2444	
Serious Injuries Not Matched	2005	1199	976	896	1039	4110
	2006	1110	1064	1034	1135	4343
	2007	1212	1146	1048	1078	4484
	2008	1166	1097	970	1159	4392
	2009	1148	1002	1095	1122	4367
	2010	1145	1096	920	1144	4305
	2011	1148	986	938	1089	4161
	2012	1150	1031	1045	1261	4487
	2013	1209	1153	1186	1395	4943
	2014	1370	1122	1135	1327	4954
	2015	1371	1192	1122	1308	4993
	2016	1451	1245	1179	1351	5226
	2017	1377	1284	1354	1462	5477
2018	1542	1424	1356	1351	5673	
2019 ^p	1396	1344			2740	
All Hospitalisations	2005	2234	2200	2111	2320	8865
	2006	2383	2311	2276	2392	9362
	2007	2504	2410	2254	2269	9437
	2008	2320	2325	2175	2449	9269
	2009	2367	2231	2263	2420	9281
	2010	2299	2321	2044	2326	8990
	2011	2403	2198	2220	2453	9274
	2012	2481	2403	2380	2659	9923
	2013	2521	2534	2708	3007	10770
	2014	2910	2647	2557	2757	10871
	2015	2797	2590	2484	2725	10596
	2016	2854	2720	2524	2814	10912
	2017	2763	2716	2788	2830	11097
2018	2863	2777	2606	2657	10903	
2019 ^p	2657	2527			5184	

^p Preliminary data subject to change.

⁴ Serious injuries are estimated to be under-enumerated by about 7 per cent for the latest quarter and are projected to increase by a magnitude of around 170.