



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending June 2023 (preliminary)

Contents

1	Acknowledgements	3
2	Serious Injury Trends	4
3	Quarterly Comparison	5
3.1	NSW serious injuries for June Quarter: 2013 to 2023p	5
3.2	NSW serious injuries: quarterly comparison, 2021 to 2023p	6
4	Rolling 12 Month Statistics	7
4.1	Serious injuries	7
4.2	Serious injury crashes	12
5	Annual Statistics	14
5.1	Serious injuries	14

Date:	June Quarter 2023
Version:	1
Division:	Safety, Environment and Regulation
Branch:	Safety, Security and Emergency Management
Prepared for:	Safety, Security and Emergency Management
Publication date:	December 2023

1 Acknowledgements

Transport for NSW wishes to thank the following –

- NSW Police Force for supply of road crash data.
- Spinal Cord Injuries Australia for providing coding and data entry service.
- 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 and Workers Compensation claims.
- 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) 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.
- Forensic and Analytical Science Service, NSW Health for providing alcohol and drug test results.
- Department of Justice & Regulation for and on behalf of the State of Victoria, for access to the National Coronial Information System for the verification of fatality information.
- NSW Institute of Trauma and Injury Management for access to information on injury outcomes for road crash related casualties that are considered seriously injured by Health.

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 –

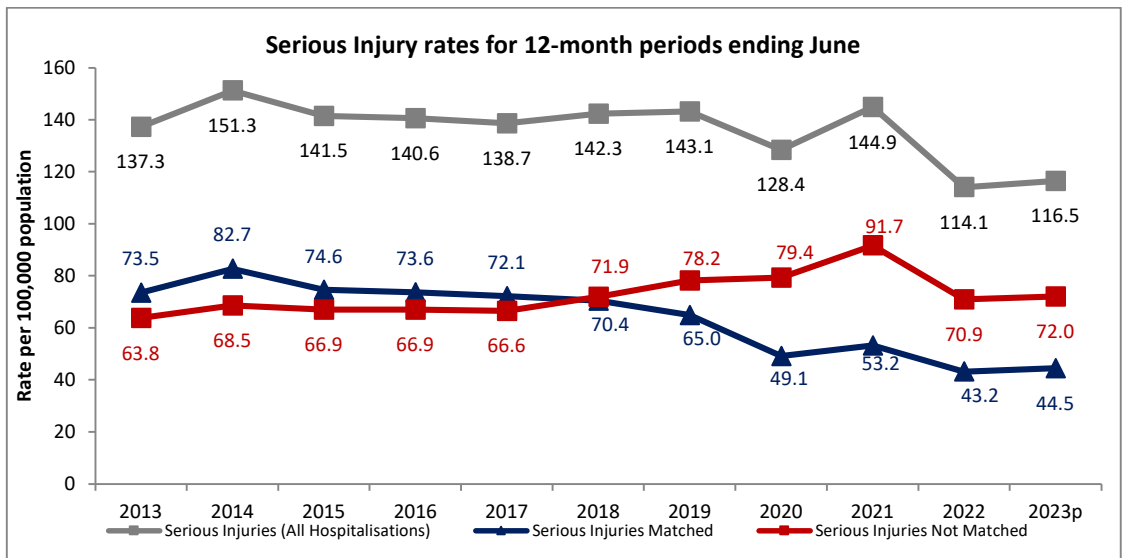
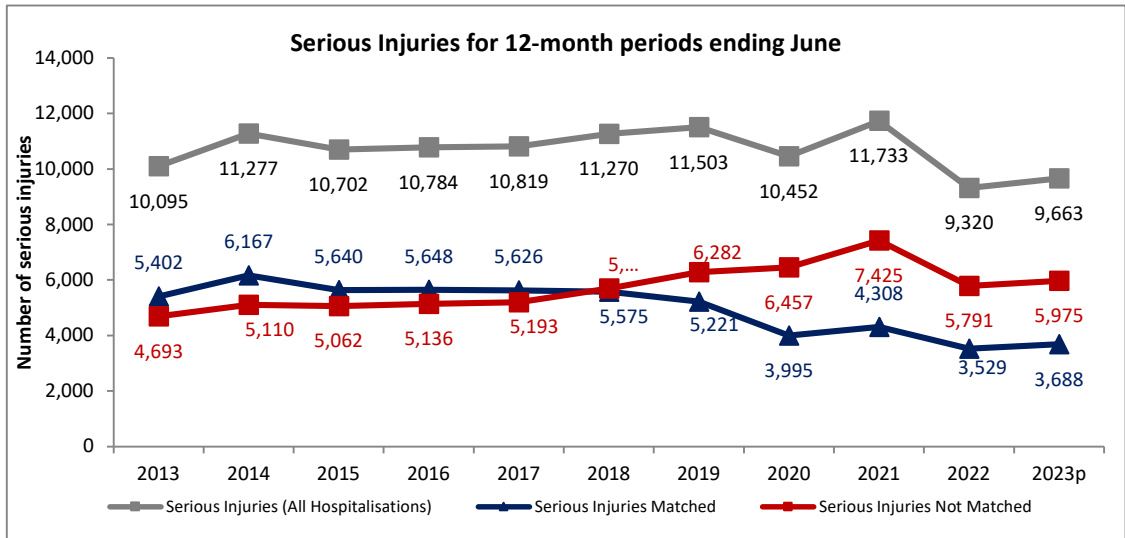
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

2 Serious Injury Trends

There were 2,411 serious injuries (all hospitalisations) for the June 2023 quarter, 64 (3 per cent) fewer than the June 2022 quarter. Over the 12-month period ending June 2023 there were 9,663 serious injuries (all hospitalisations), 343 more than the 12-month period ending June 2022. The serious injury rate for the 12-months ending June 2023 was 116.5 per 100,000 population.

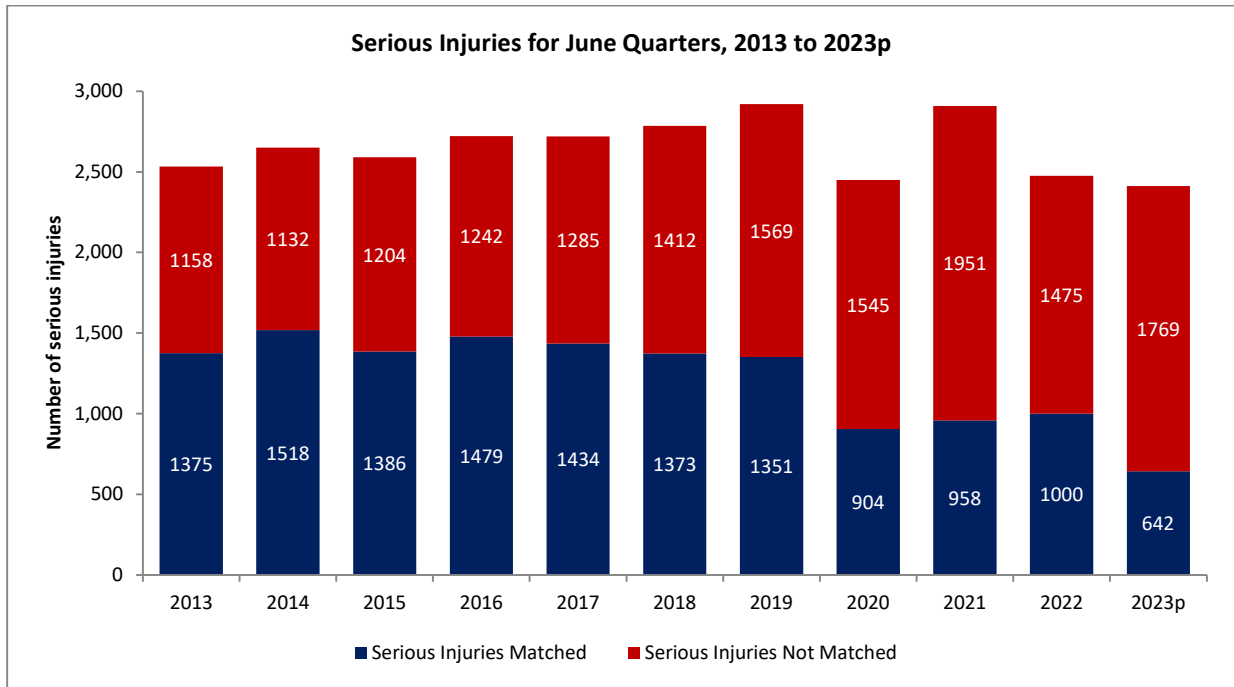
Serious injury numbers and rates for 12-mth period ending June 2023p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	9,663	116.5
Serious injuries (matched) ²	3,688	44.5
Serious injuries (not matched) ³	5,975	72.0

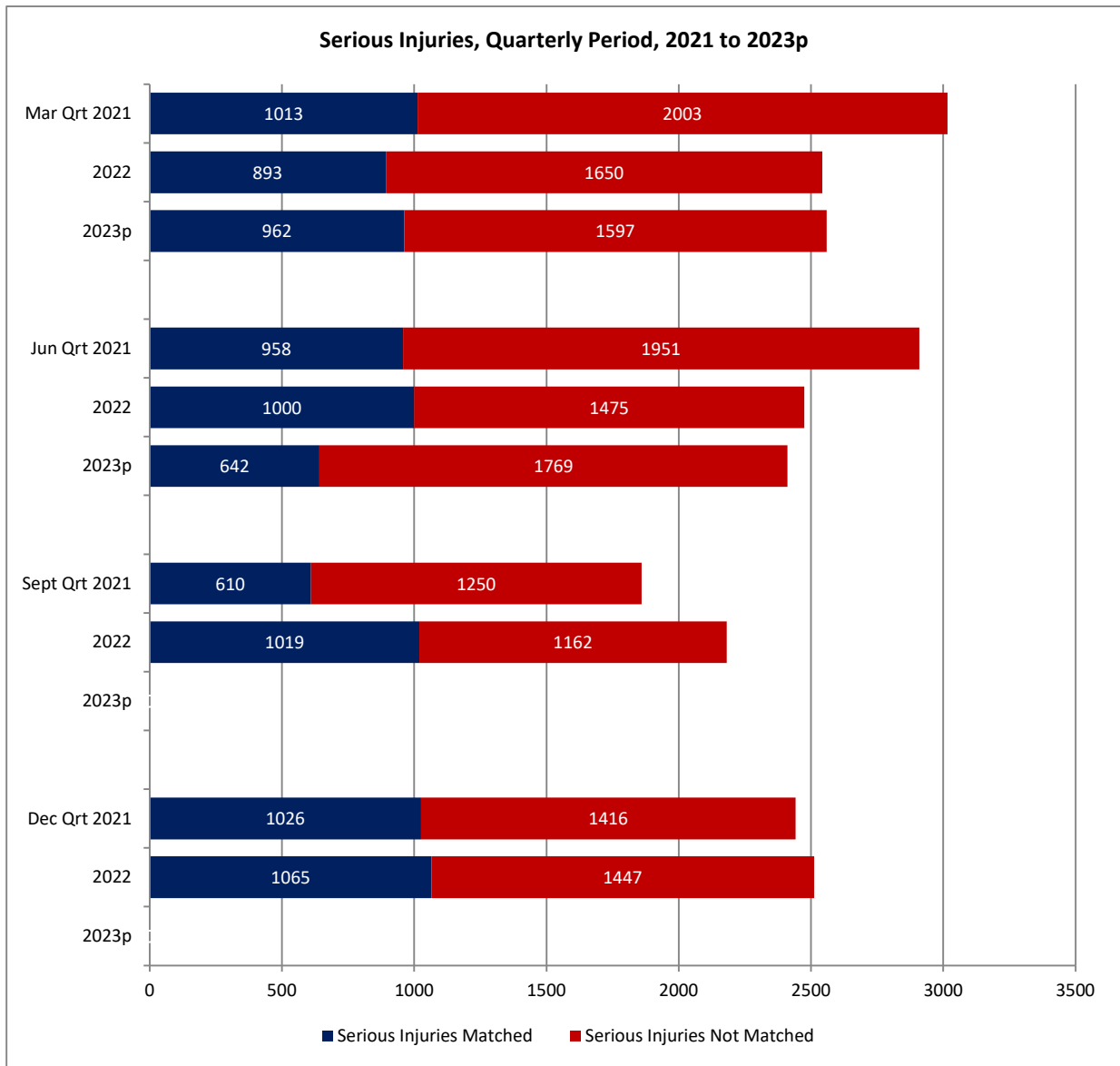


3 Quarterly Comparison

3.1 NSW serious injuries for June Quarter: 2013 to 2023p



3.2 NSW Serious Injuries: Quarterly comparison, 2021 to 2023p



4 Rolling 12 Month Statistics

4.1 Serious injuries

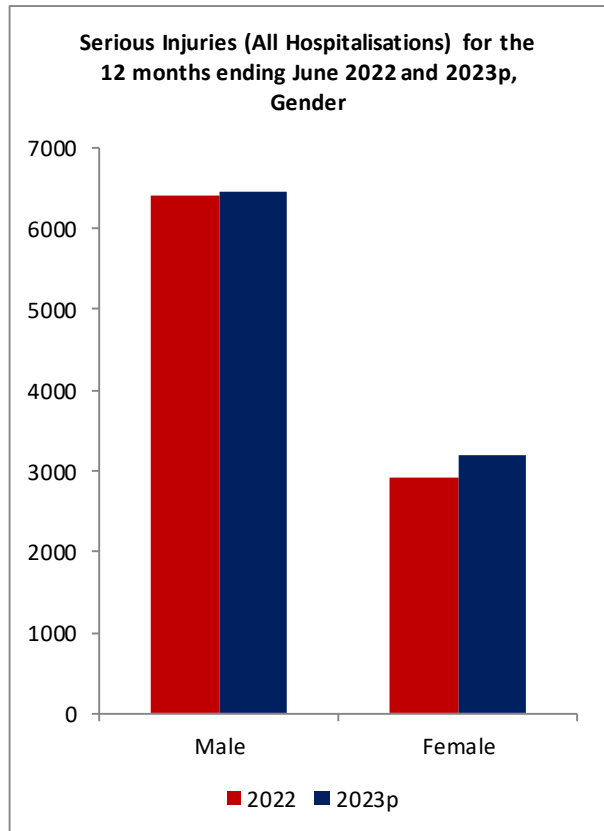
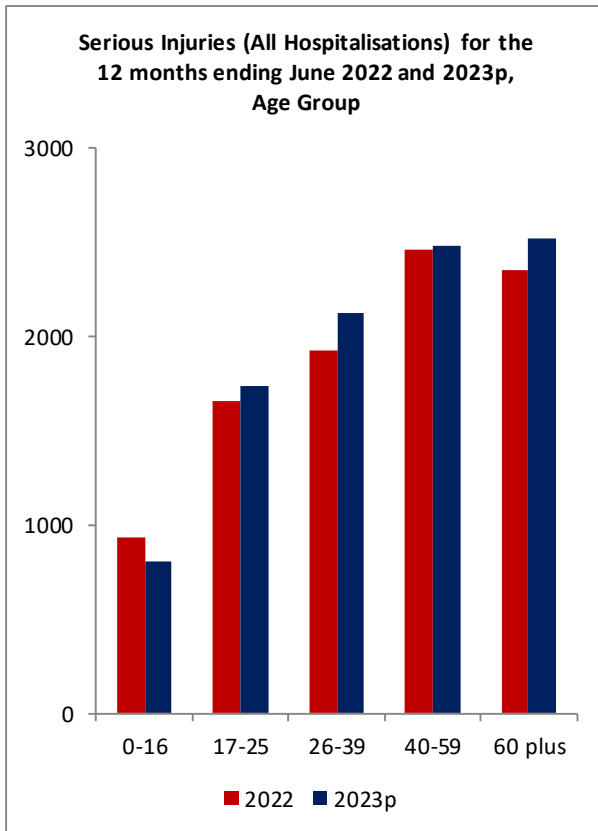
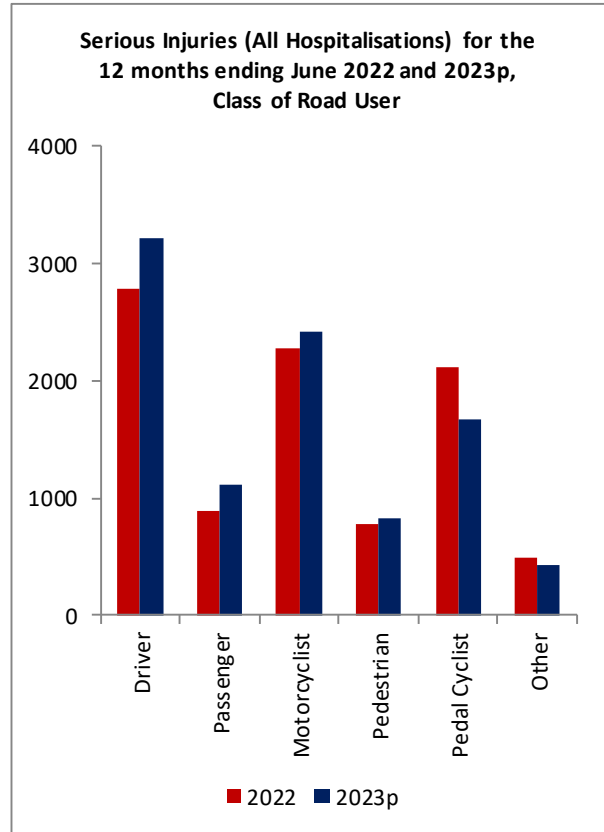
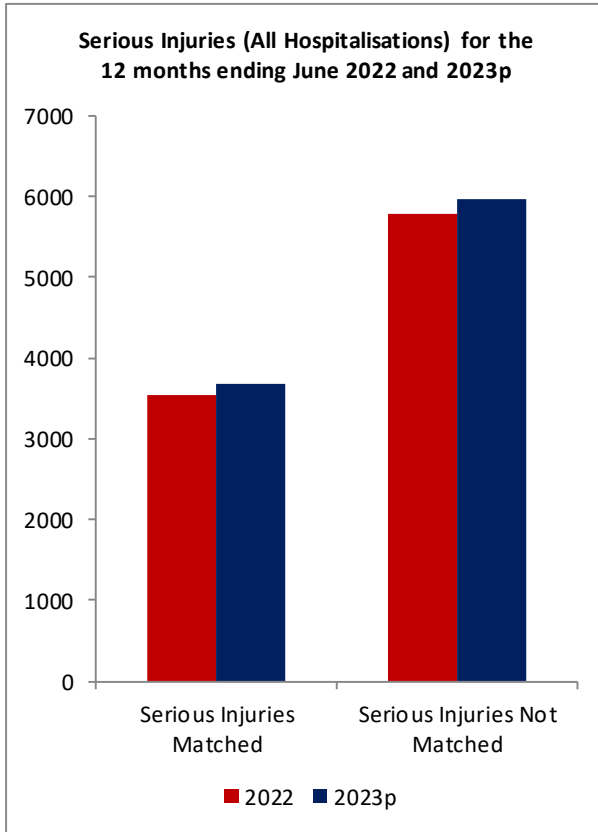
Overall

	12 months ending Jun 2023p	12 months ending Jun 2022	# Change	% Change
Serious Injuries Matched	3688	3529	159	5%
Serious Injuries Not Matched	5975	5791	184	3%
All Hospitalisations	9663	9320	343	4%

Serious Injuries (All Hospitalisations)

	12 months ending Jun 2023p	12 months ending Jun 2022	# Change	% Change
Road User Group				
Driver	3211	2775	436	16%
Passenger	1111	892	219	25%
Motorcyclist	2409	2267	142	6%
Pedestrian	826	780	46	6%
Pedal Cyclist	1675	2112	-437	-21%
Other	431	494	-63	-13%
Total	9663	9320	343	4%
Age Group				
0-4	60	66	-6	-9%
5-16	740	867	-127	-15%
17-20	855	779	76	10%
21-25	883	873	10	1%
26-29	664	657	7	1%
30-39	1454	1264	190	15%
40-49	1228	1221	7	1%
50-59	1253	1235	18	1%
60-69	1069	1081	-12	-1%
70-79	866	754	112	15%
80+	582	517	65	13%
Unknown	9	6	3	50%
Total	9663	9320	343	4%
Gender				
Male	6460	6410	50	1%
Female	3201	2910	291	10%
Unknown	2	0	2	n/a
Total	9663	9320	343	4%

p Preliminary data subject to change.

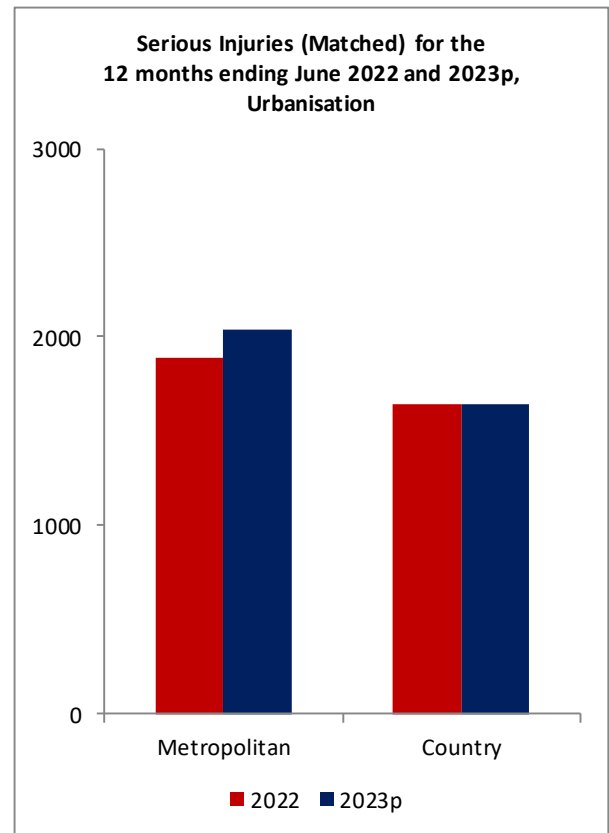
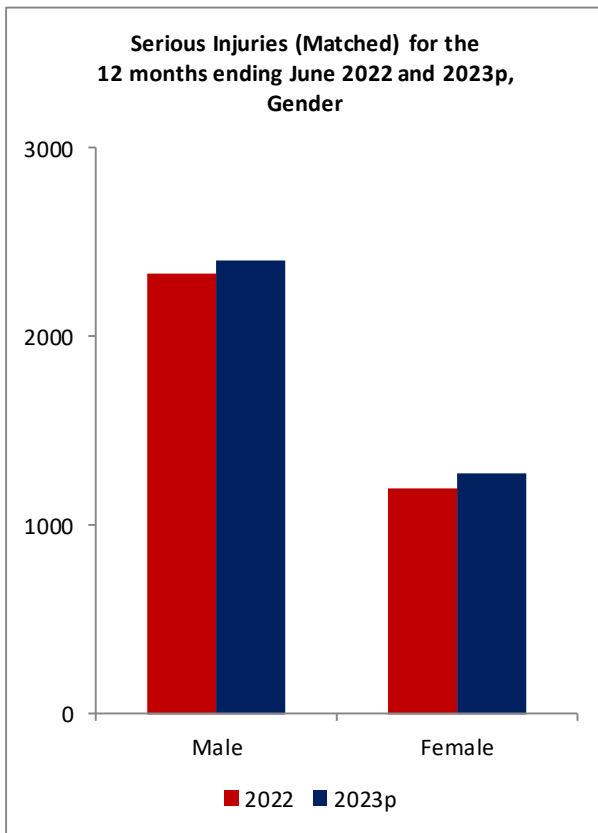
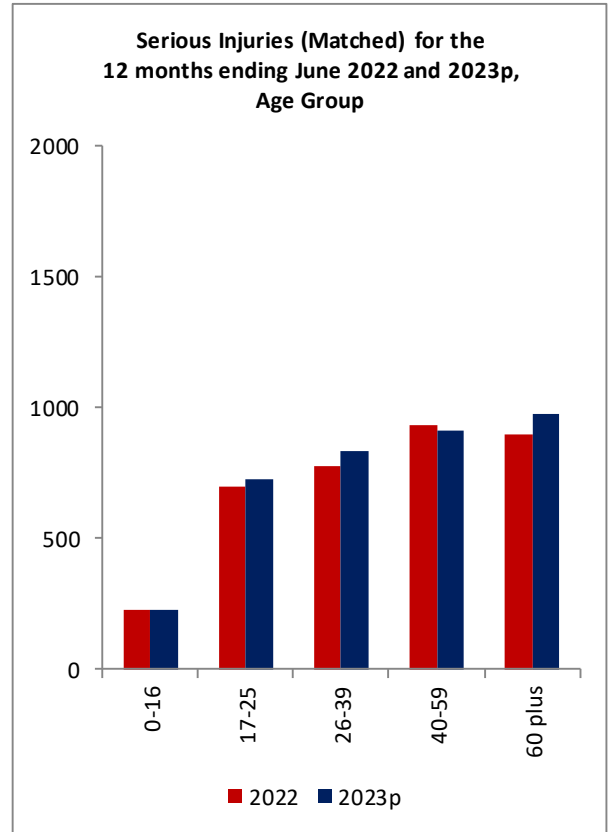
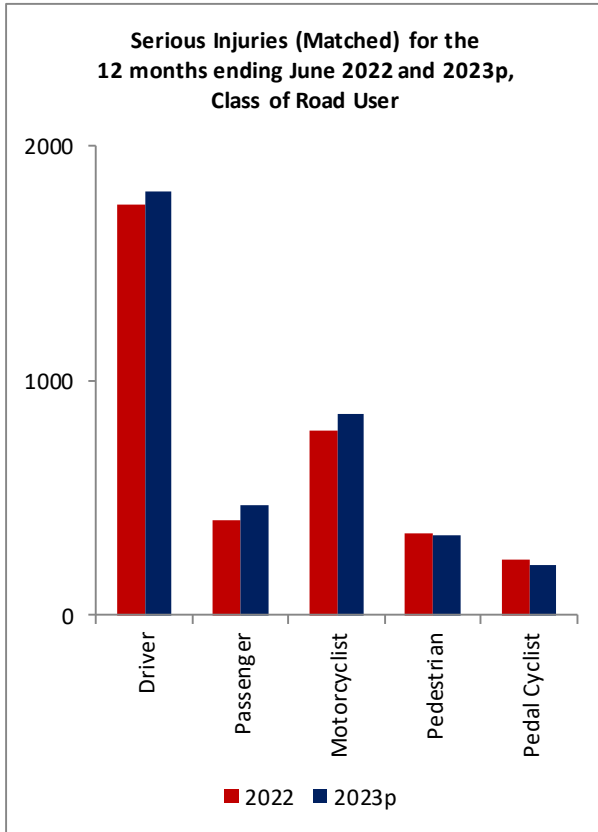


OFFICIAL

Serious Injuries (Matched)

	12 months ending Jun 2023p	12 months ending Jun 2022	# Change	% Change
Road User Group				
Driver	1804	1746	58	3%
Passenger	472	403	69	17%
Motorcyclist	856	785	71	9%
Pedestrian	341	353	-12	-3%
Pedal Cyclist	212	238	-26	-11%
Other Road User	3	4	-1	-25%
Total	3688	3529	159	5%
Age Group				
0-4	13	28	-15	-54%
5-16	217	196	21	11%
17-20	359	335	24	7%
21-25	367	361	6	2%
26-29	263	253	10	4%
30-39	571	523	48	9%
40-49	464	465	-1	0%
50-59	448	467	-19	-4%
60-69	422	420	2	0%
70-79	332	290	42	14%
80+	223	185	38	21%
Unknown	9	6	3	50%
Total	3688	3529	159	5%
Gender				
Male	2408	2335	73	3%
Female	1278	1194	84	7%
Unknown	2	0	2	n/a
Total	3688	3529	159	5%
Urbanisation				
Metropolitan	2042	1888	154	8%
Country	1646	1641	5	0%
Total	3688	3529	159	5%

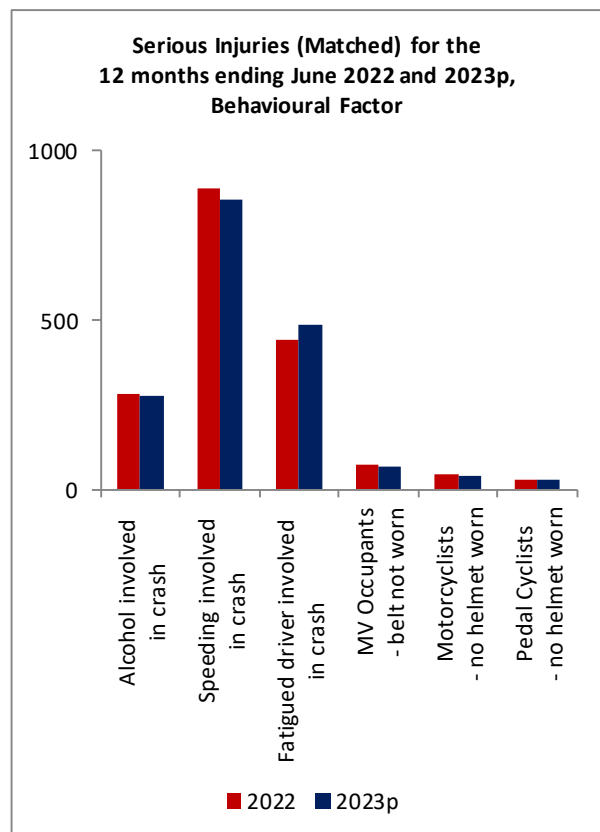
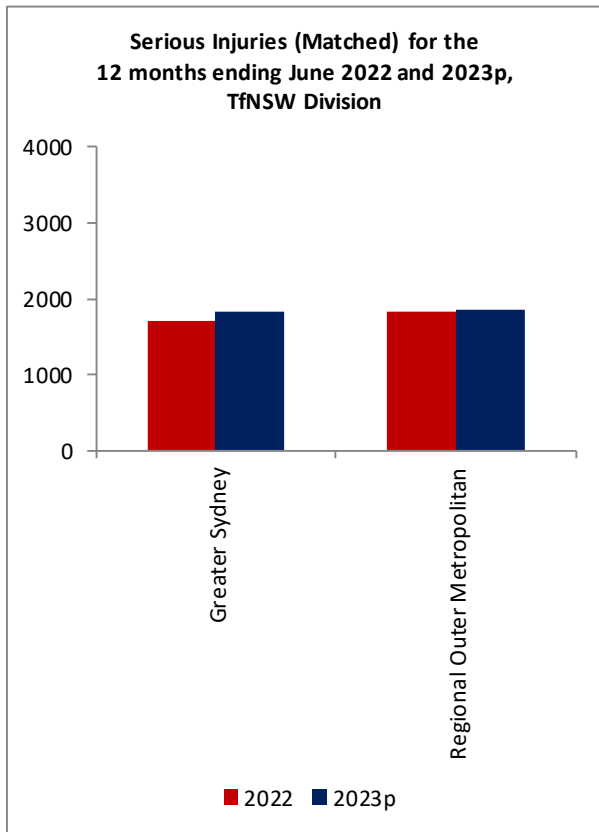
p Preliminary data subject to change.



Serious Injuries (Matched) cont...

	12 months ending Jun 2023p	12 months ending Jun 2022	# Change	% Change
TfNSW Division				
Greater Sydney	1824	1696	128	8%
Regional Outer Metropolitan	1864	1833	31	2%
North	1105	1071	34	3%
South	468	466	2	0%
West	291	296	-5	-2%
Total	3688	3529	159	5%
Behaviour Factors				
Alcohol involved in crash 'Yes'	274	281	-7	-2%
Speeding involved in crash 'Yes'	854	888	-34	-4%
Fatigue involved in crash 'Yes'	484	441	43	10%
Safety Device Usage				
Driver - belt not worn	40	38	2	5%
Passenger - belt not worn	29	34	-5	-15%
Motor Vehicle Occupants - belt not worn	69	72	-3	-4%
Motorcyclists- no helmet worn	40	43	-3	-7%
Pedal Cyclists - no helmet worn	28	27	1	4%

p Preliminary data subject to change.



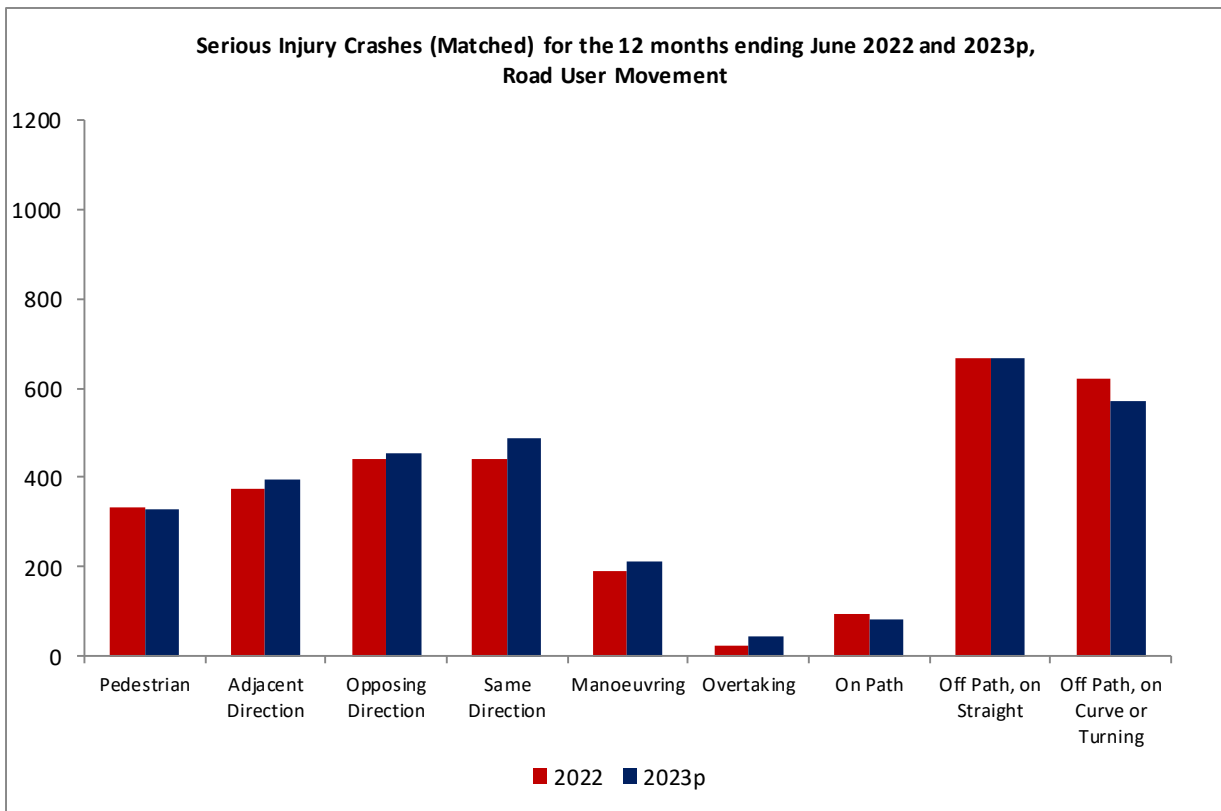
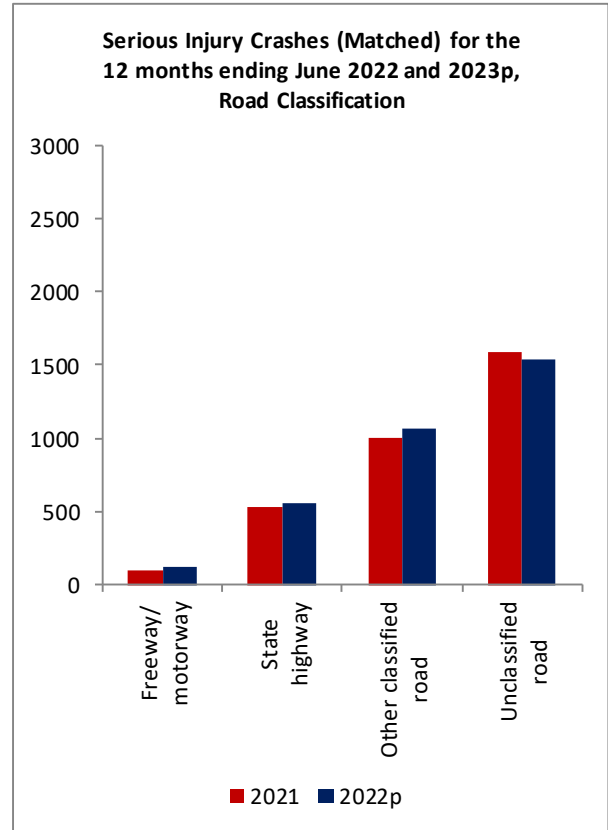
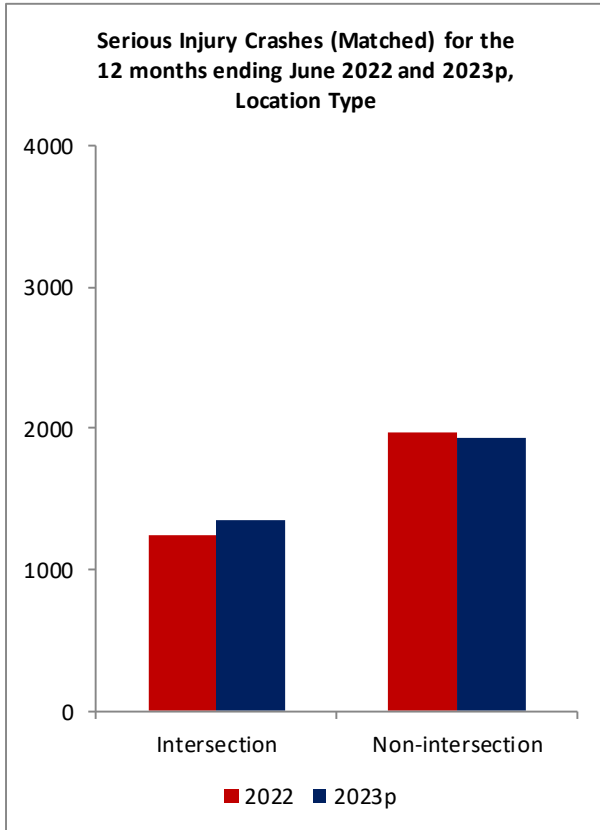
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Jun 2023p	12 months ending Jun 2022	# Change	% Change
Location type				
Intersection	1347	1241	106	9%
Non-intersection	1930	1977	-47	-2%
Total[^]	3277	3218	59	2%
Road classification				
Freeway/motorway	117	97	20	21%
State highway	560	532	28	5%
Other classified road	1069	997	72	7%
Unclassified road	1531	1592	-61	-4%
Total	3277	3218	59	2%
Type of crash (RUM)				
Pedestrian	329	334	-5	-1%
Cross Traffic	215	218	-3	-1%
Other Turning Adjacent	182	158	24	15%
Head On (Not O'Taking)	210	194	16	8%
Other Turning Opposite	244	247	-3	-1%
Rear End (incl Left and Right Rear)	340	307	33	11%
Lane Side Swipe (incl lane change left / right)	118	115	3	3%
Other Turn Side Swipe	29	19	10	53%
Manoeuvring	212	191	21	11%
Overtaking	46	25	21	84%
On Path	84	95	-11	-12%
Off Path, on Straight	667	666	1	0%
Off Path, on Curve or Turning	572	623	-51	-8%
Miscellaneous / Unknown	29	26	3	12%
Total	3277	3218	59	2%

[^]Total includes unknowns

^p Preliminary data subject to change.



5 Annual Statistics

5.1 Serious injuries

		Quarter				Total
		Q1	Q2	Q3	Q4	
Serious Injuries Matched	Year					
	2006	1272	1246	1235	1256	5009
	2007	1290	1263	1208	1192	4953
	2008	1148	1219	1202	1286	4855
	2009	1218	1226	1166	1294	4904
	2010	1151	1220	1122	1179	4672
	2011	1250	1213	1278	1358	5099
	2012	1329	1364	1326	1392	5411
	2013	1309	1375	1514	1604	5802
	2014	1531	1518	1416	1422	5887
	2015	1416	1386	1357	1407	5566
	2016	1405	1479	1342	1464	5690
	2017	1386	1434	1446	1382	5648
	2018	1374	1373	1272	1315	5334
	2019	1283	1351	1059	913	4606
	2020	1119	904	1107	1230	4360
2021	1013	958	610	1026	3607	
2022	893	1000	1019	1065	3977	
2023p	962	642	0	0	1604	
Serious Injuries Not Matched	2006	1113	1065	1041	1137	4356
	2007	1215	1147	1044	1078	4484
	2008	1171	1105	973	1166	4415
	2009	1148	1005	1098	1130	4381
	2010	1149	1101	925	1146	4321
	2011	1156	985	942	1096	4179
	2012	1153	1042	1054	1269	4518
	2013	1212	1158	1196	1404	4970
	2014	1378	1132	1142	1335	4987
	2015	1381	1204	1128	1319	5032
	2016	1447	1242	1183	1349	5221
	2017	1376	1285	1341	1454	5456
	2018	1488	1412	1568	1548	6016
	2019	1597	1569	1499	1814	6479
	2020	1599	1545	2055	1416	6615
	2021	2003	1951	1250	1416	6620
2022	1650	1475	1162	1447	5734	
2023p	1597	1769	0	0	3366	
All Hospitalisations	2006	2385	2311	2276	2393	9365
	2007	2505	2410	2252	2270	9437
	2008	2319	2324	2175	2452	9270
	2009	2366	2231	2264	2424	9285
	2010	2300	2321	2047	2325	8993
	2011	2406	2198	2220	2454	9278
	2012	2482	2406	2380	2661	9929
	2013	2521	2533	2710	3008	10772
	2014	2909	2650	2558	2757	10874
	2015	2797	2590	2485	2726	10598
	2016	2852	2721	2525	2813	10911
	2017	2762	2719	2787	2836	11104
	2018	2862	2785	2840	2863	11350
	2019	2880	2920	2558	2727	11085
	2020	2718	2449	3162	2646	10975
	2021	3016	2909	1860	2442	10227
2022	2543	2475	2181	2512	9711	
2023p	2559	2411	0	0	4970	

p Preliminary data subject to change.

Serious Injury Report – Quarter Ending June 2023p