



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending March 2023 (preliminary)

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- Spinal Cord Injuries Australia for providing coding and data entry service.
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- 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.
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- 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 –

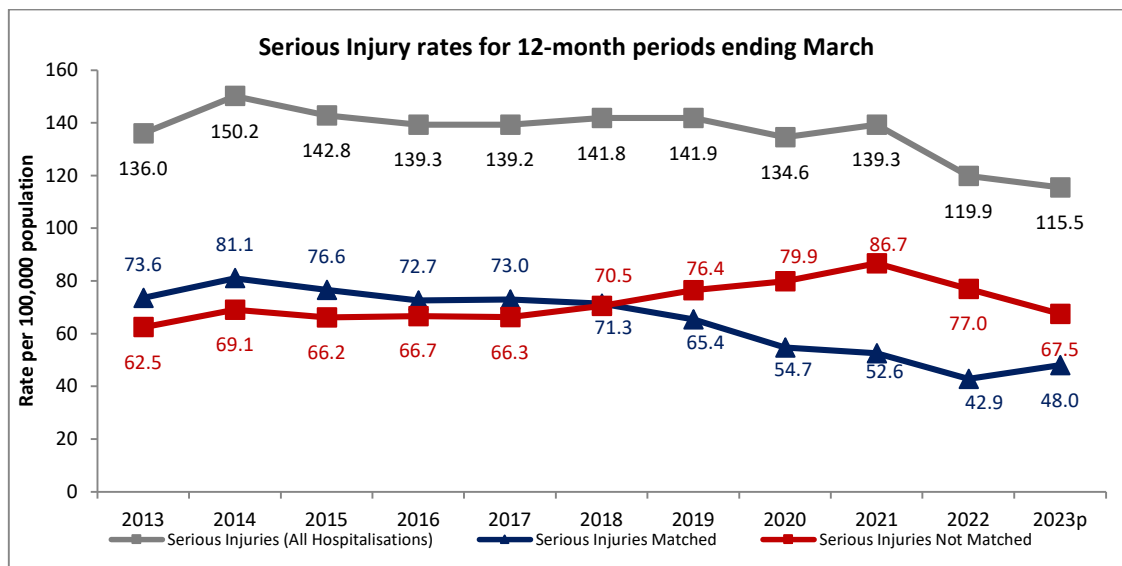
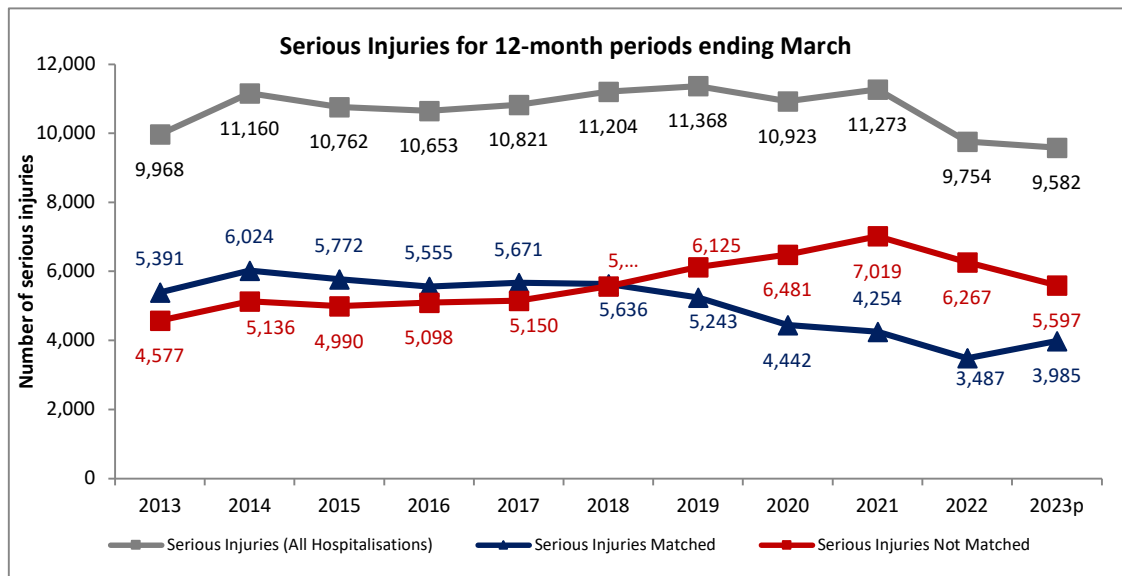
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

2 Serious Injury Trends

There were 2,414 serious injuries (all hospitalisations) for the March 2023 quarter, 129 (5 per cent) fewer than the March 2022 quarter. Over the 12-month period ending March 2023 there were 9,582 serious injuries (all hospitalisations), 172 fewer than the 12-month period ending March 2022. The serious injury rate for the 12-months ending March 2023 was 115.5 per 100,000 population.

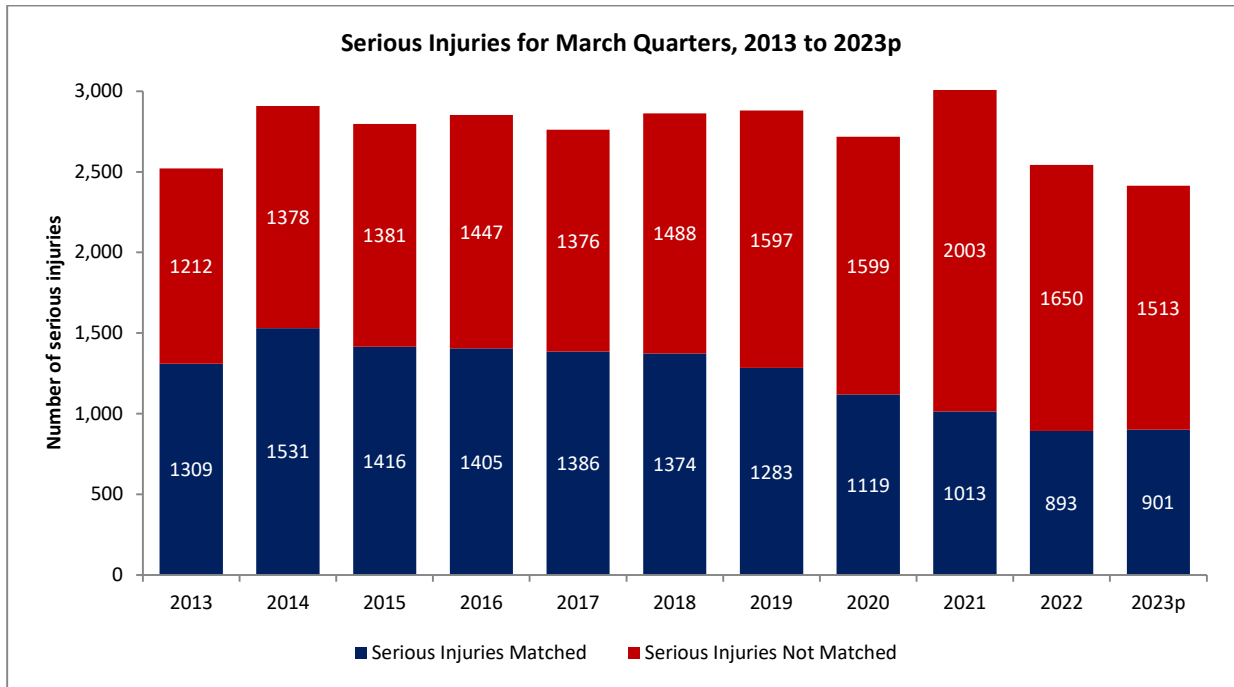
Serious injury numbers and rates for 12-mth period ending March 2023p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	9,582	115.5
Serious injuries (matched) ²	3,985	48.0
Serious injuries (not matched) ³	5,597	67.5

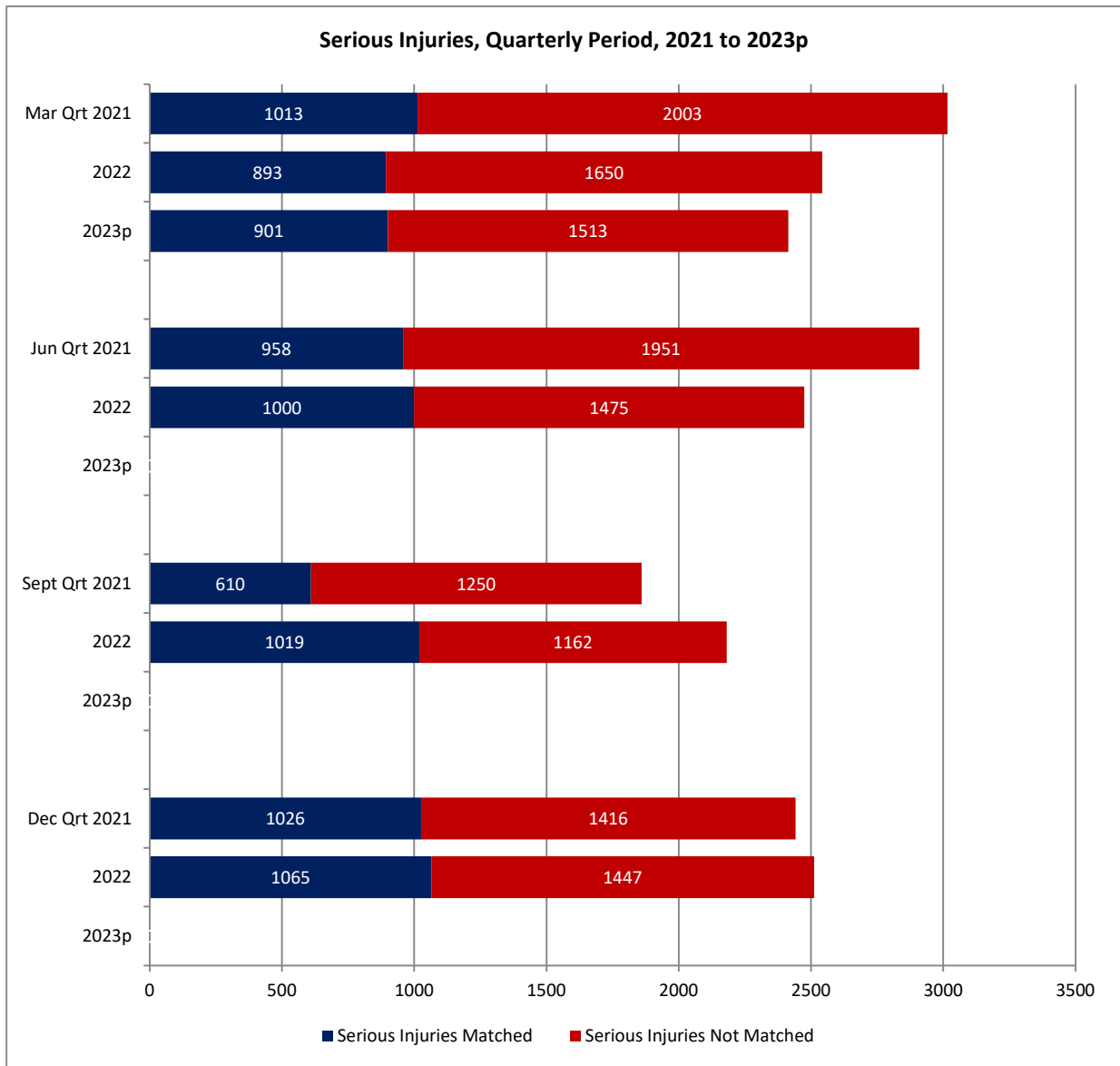


3 Quarterly Comparison

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



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



4 Rolling 12 Month Statistics

4.1 Serious injuries

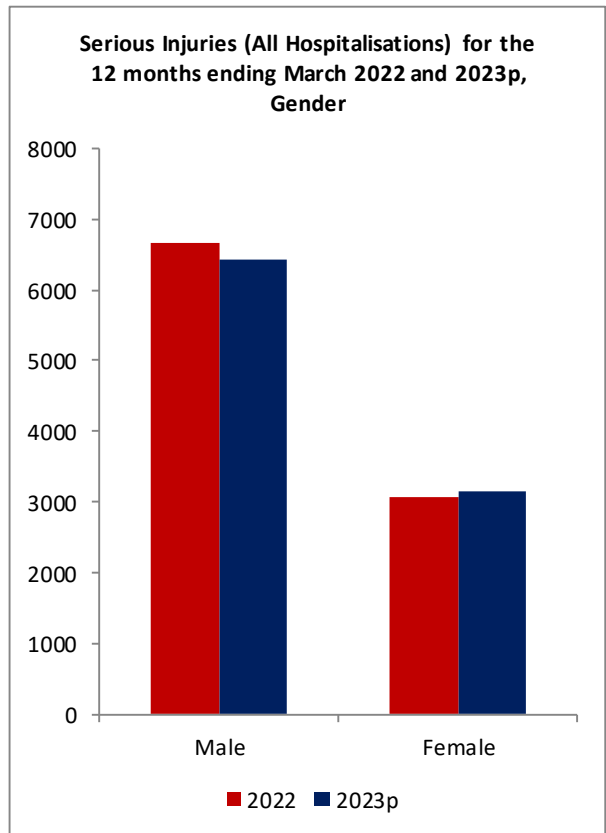
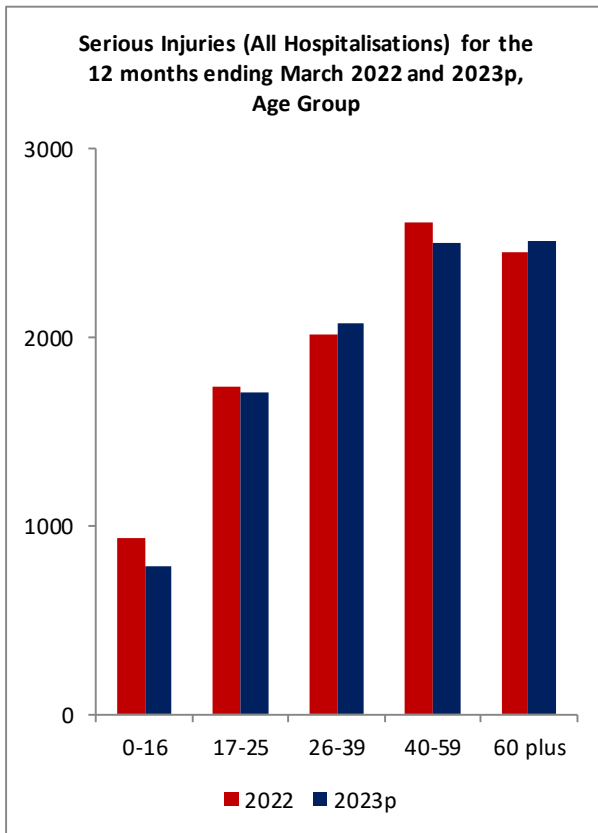
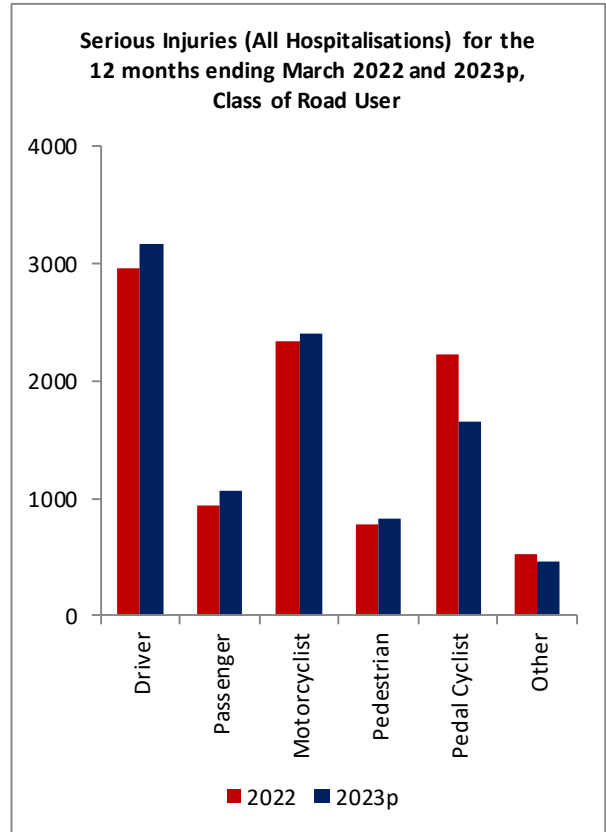
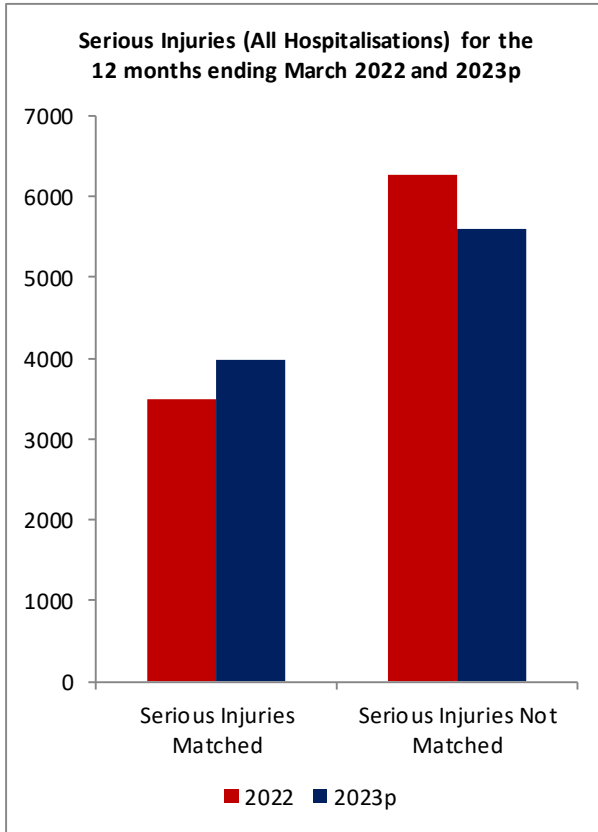
Overall

	12 months ending Mar 2023p	12 months ending Mar 2022	# Change	% Change
Serious Injuries Matched	3985	3487	498	14%
Serious Injuries Not Matched	5597	6267	-670	-11%
All Hospitalisations	9582	9754	-172	-2%

Serious Injuries (All Hospitalisations)

	12 months ending Mar 2023p	12 months ending Mar 2022	# Change	% Change
Road User Group				
Driver	3159	2959	200	7%
Passenger	1072	936	136	15%
Motorcyclist	2393	2331	62	3%
Pedestrian	832	783	49	6%
Pedal Cyclist	1659	2225	-566	-25%
Other	467	520	-53	-10%
Total	9582	9754	-172	-2%
Age Group				
0-4	61	66	-5	-8%
5-16	722	867	-145	-17%
17-20	840	808	32	4%
21-25	868	926	-58	-6%
26-29	665	674	-9	-1%
30-39	1405	1342	63	5%
40-49	1231	1305	-74	-6%
50-59	1271	1306	-35	-3%
60-69	1097	1120	-23	-2%
70-79	836	755	81	11%
80+	576	576	0	0%
Unknown	10	9	1	11%
Total	9582	9754	-172	-2%
Gender				
Male	6429	6674	-245	-4%
Female	3152	3079	73	2%
Unknown	1	1	0	0%
Total	9582	9754	-172	-2%

p Preliminary data subject to change.

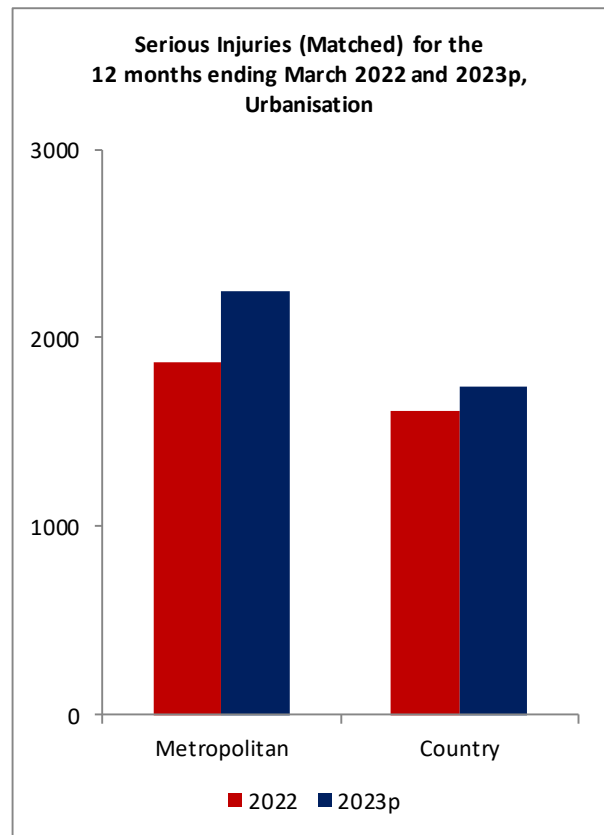
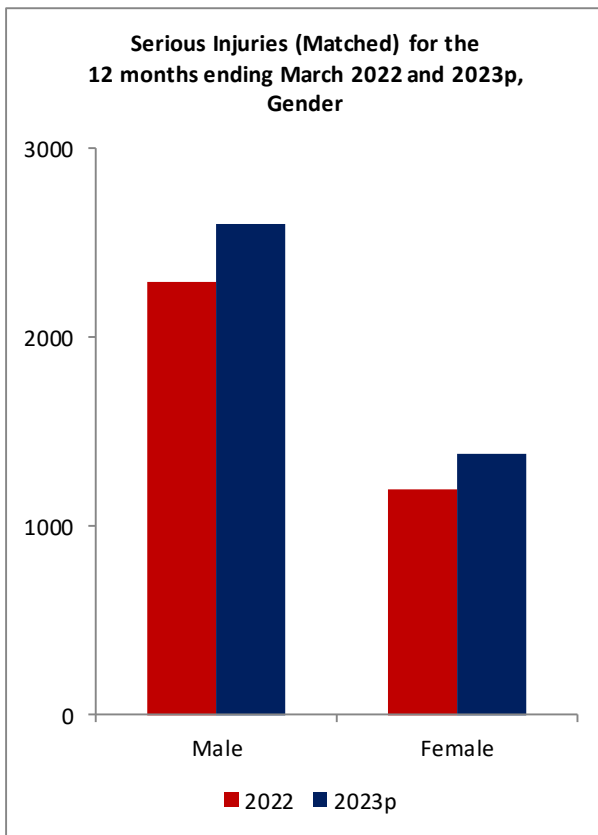
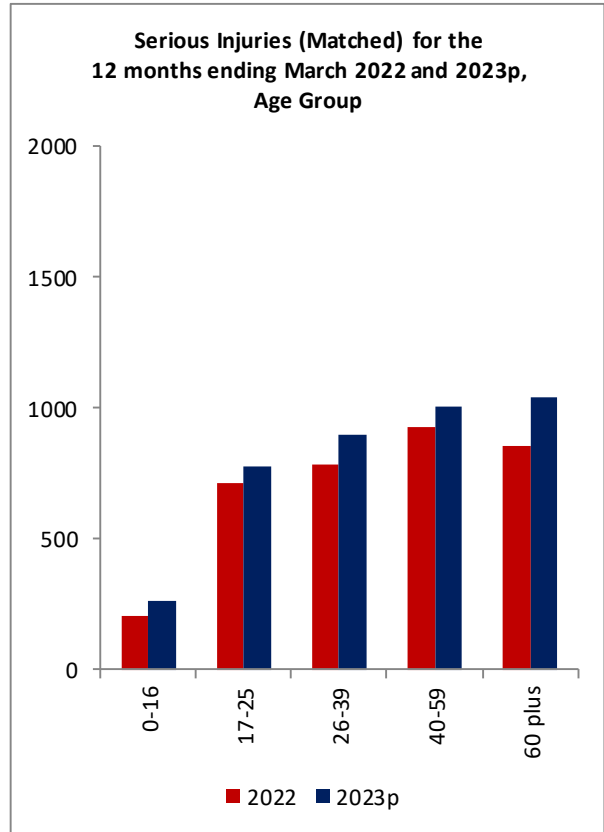
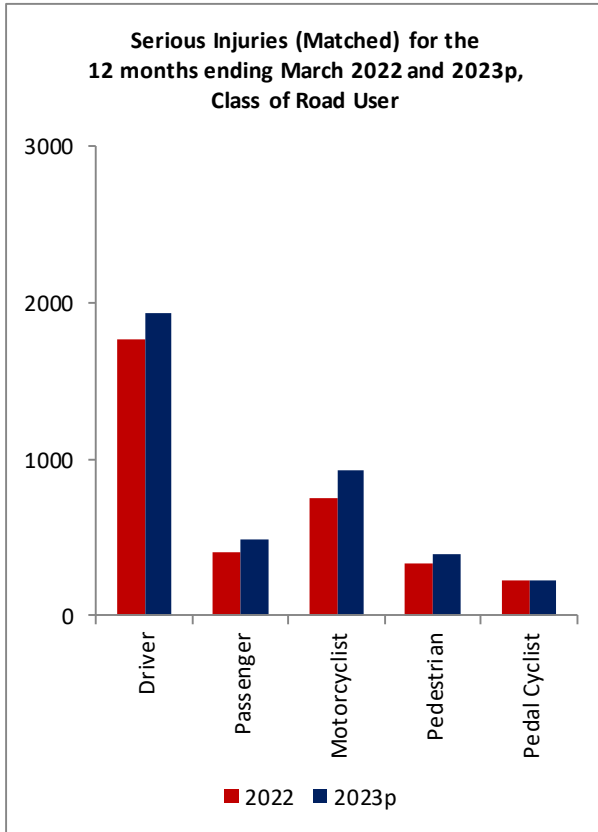


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Serious Injuries (Matched)

	12 months ending Mar 2023p	12 months ending Mar 2022	# Change	% Change
Road User Group				
Driver	1936	1759	177	10%
Passenger	488	408	80	20%
Motorcyclist	930	755	175	23%
Pedestrian	396	333	63	19%
Pedal Cyclist	231	230	1	0%
Other Road User	4	2	2	100%
Total	3985	3487	498	14%
Age Group				
0-4	19	24	-5	-21%
5-16	241	178	63	35%
17-20	389	335	54	16%
21-25	385	380	5	1%
26-29	282	259	23	9%
30-39	614	527	87	17%
40-49	507	459	48	10%
50-59	501	464	37	8%
60-69	471	390	81	21%
70-79	334	279	55	20%
80+	232	183	49	27%
Unknown	10	9	1	11%
Total	3985	3487	498	14%
Gender				
Male	2605	2293	312	14%
Female	1379	1193	186	16%
Unknown	1	1	0	0%
Total	3985	3487	498	14%
Urbanisation				
Metropolitan	2243	1869	374	20%
Country	1742	1618	124	8%
Total	3985	3487	498	14%

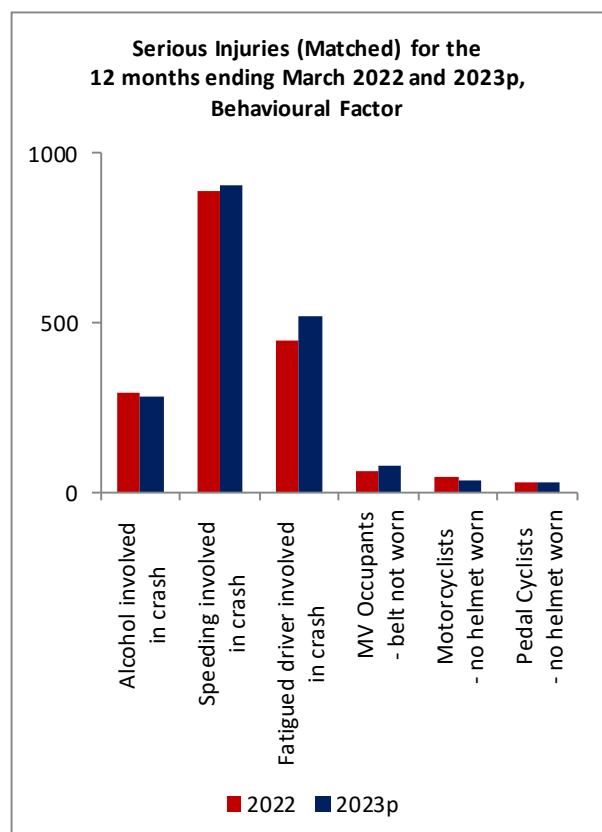
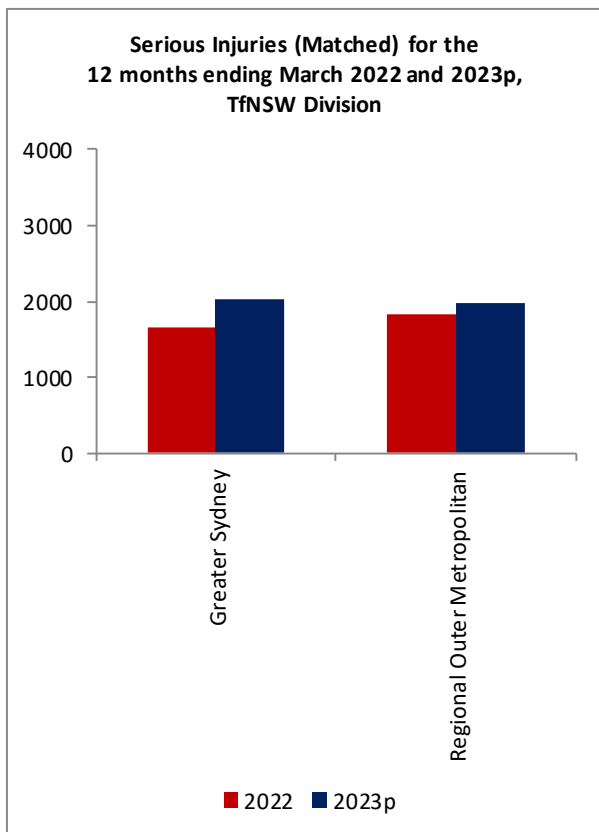
p Preliminary data subject to change.



Serious Injuries (Matched) cont...

	12 months ending Mar 2023p	12 months ending Mar 2022	# Change	% Change
TfNSW Division				
Greater Sydney	2021	1668	353	21%
Regional Outer Metropolitan	1964	1819	145	8%
North	1160	1081	79	7%
South	483	449	34	8%
West	321	289	32	11%
Total	3985	3487	498	14%
Behaviour Factors				
Alcohol involved in crash 'Yes'	282	292	-10	-3%
Speeding involved in crash 'Yes'	907	890	17	2%
Fatigue involved in crash 'Yes'	517	445	72	16%
Safety Device Usage				
Driver - belt not worn	47	28	19	68%
Passenger - belt not worn	29	33	-4	-12%
Motor Vehicle Occupants - belt not worn	76	61	15	25%
Motorcyclists- no helmet worn	36	44	-8	-18%
Pedal Cyclists - no helmet worn	31	31	0	0%

p Preliminary data subject to change.



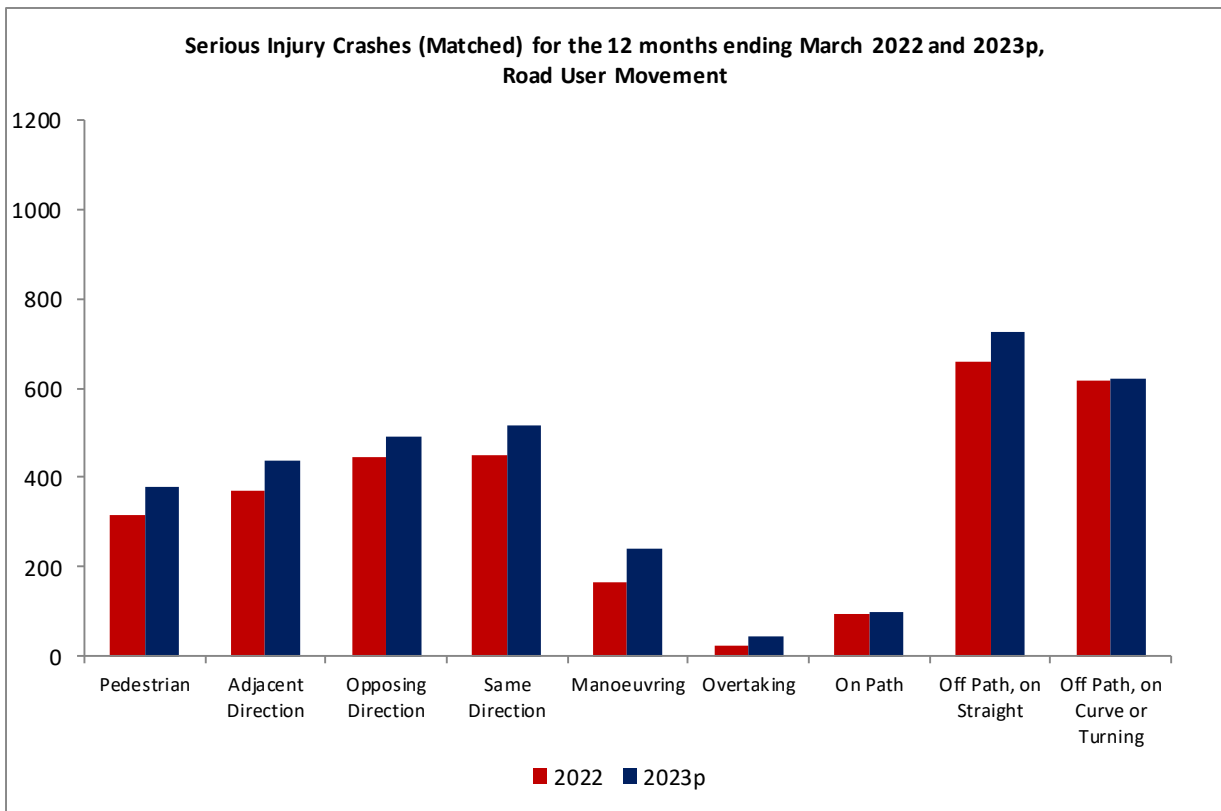
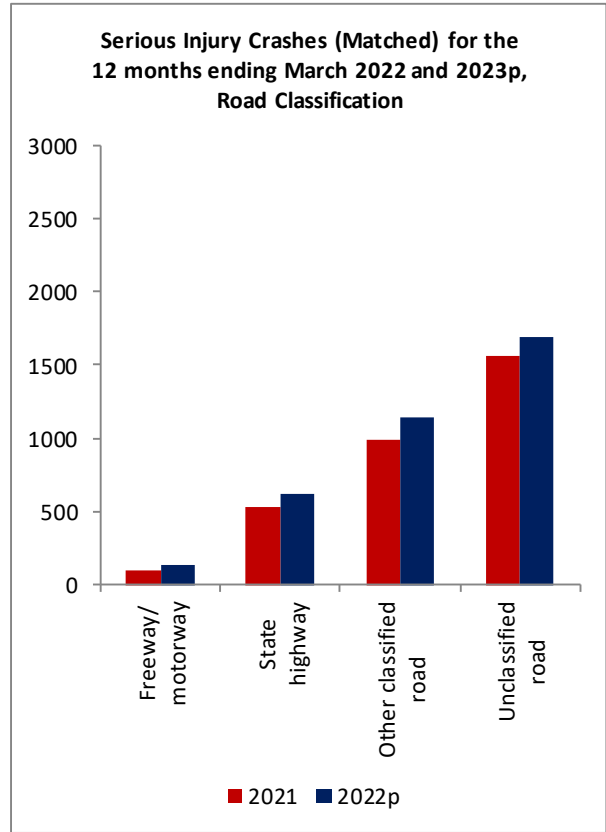
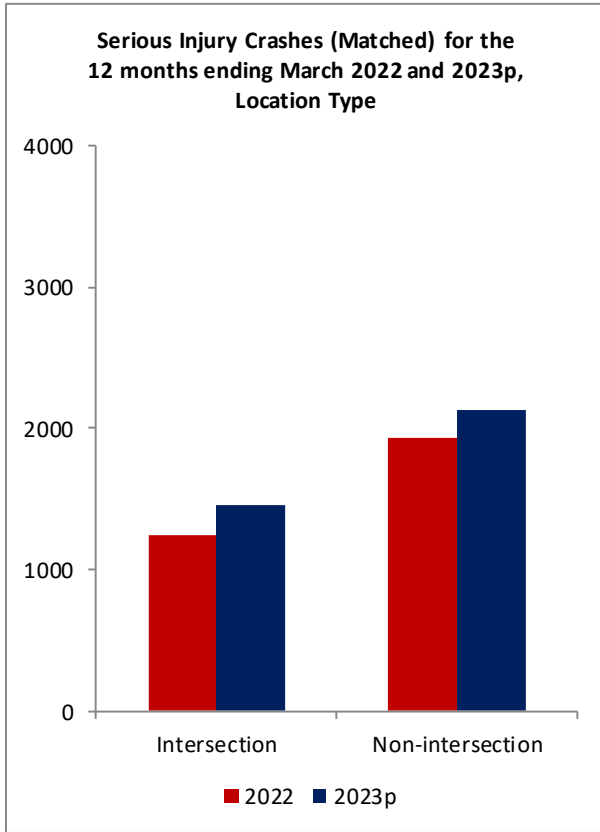
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Mar 2023p	12 months ending Mar 2022	# Change	% Change
Location type				
Intersection	1458	1238	220	18%
Non-intersection	2128	1936	192	10%
Total[^]	3586	3175	411	13%
Road classification				
Freeway/motorway	137	98	39	40%
State highway	613	527	86	16%
Other classified road	1142	987	155	16%
Unclassified road	1694	1563	131	8%
Total	3586	3175	411	13%
Type of crash (RUM)				
Pedestrian	380	318	62	19%
Cross Traffic	240	217	23	11%
Other Turning Adjacent	196	152	44	29%
Head On (Not O'Taking)	216	202	14	7%
Other Turning Opposite	275	244	31	13%
Rear End (incl Left and Right Rear)	358	318	40	13%
Lane Side Swipe (incl lane change left / right)	133	108	25	23%
Other Turn Side Swipe	27	25	2	8%
Manoeuvring	242	168	74	44%
Overtaking	45	24	21	88%
On Path	98	94	4	4%
Off Path, on Straight	726	660	66	10%
Off Path, on Curve or Turning	621	619	2	0%
Miscellaneous / Unknown	29	26	3	12%
Total	3586	3175	411	13%

[^]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	901	0	0	0	901	
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	1513	0	0	0	1513	
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	2414	0	0	0	2414	

p Preliminary data subject to change.

Serious Injury Report – Quarter Ending March 2023p