



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending September 2023 (preliminary)

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Date:	September Quarter 2023
Version:	1
Division:	Safety, Environment and Regulation
Branch:	Safety, Security and Emergency Management
Prepared for:	Safety, Security and Emergency Management
Publication date:	March 2024

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 –

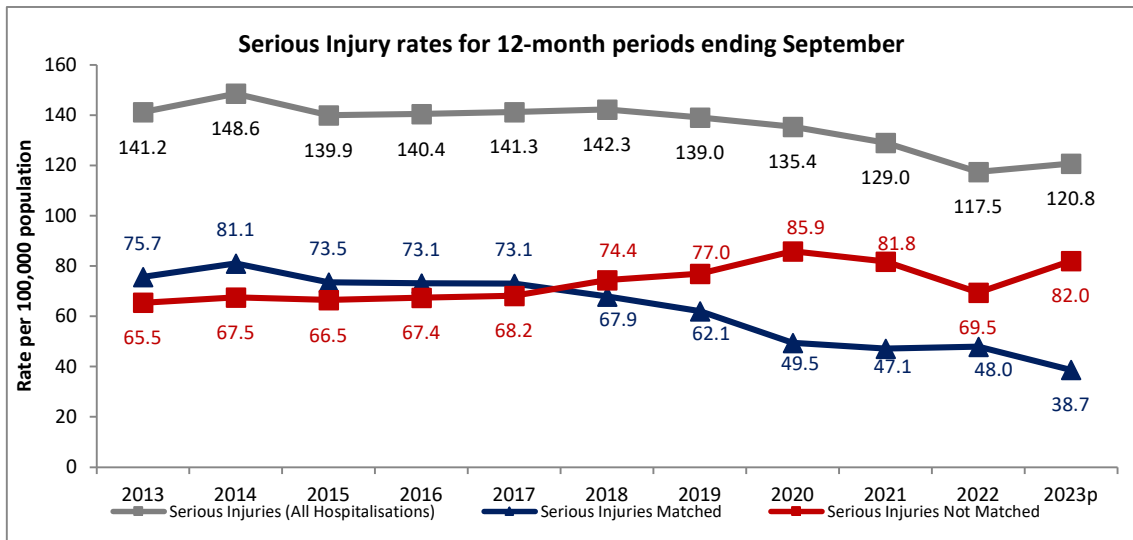
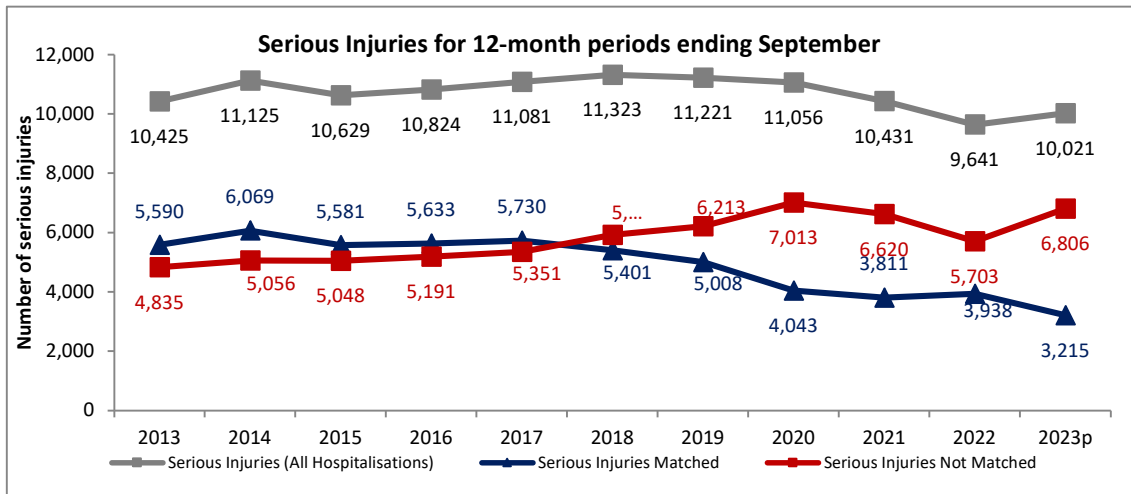
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

2 Serious Injury Trends

There were 2,388 serious injuries (all hospitalisations) for the September 2023 quarter, 207 (9 per cent) higher than the September 2022 quarter. Over the 12-month period ending September 2023 there were 10,021 serious injuries (all hospitalisations), 380 more than the 12-month period ending September 2022. The serious injury rate for the 12-months ending September 2023 was 120.8 per 100,000 population.

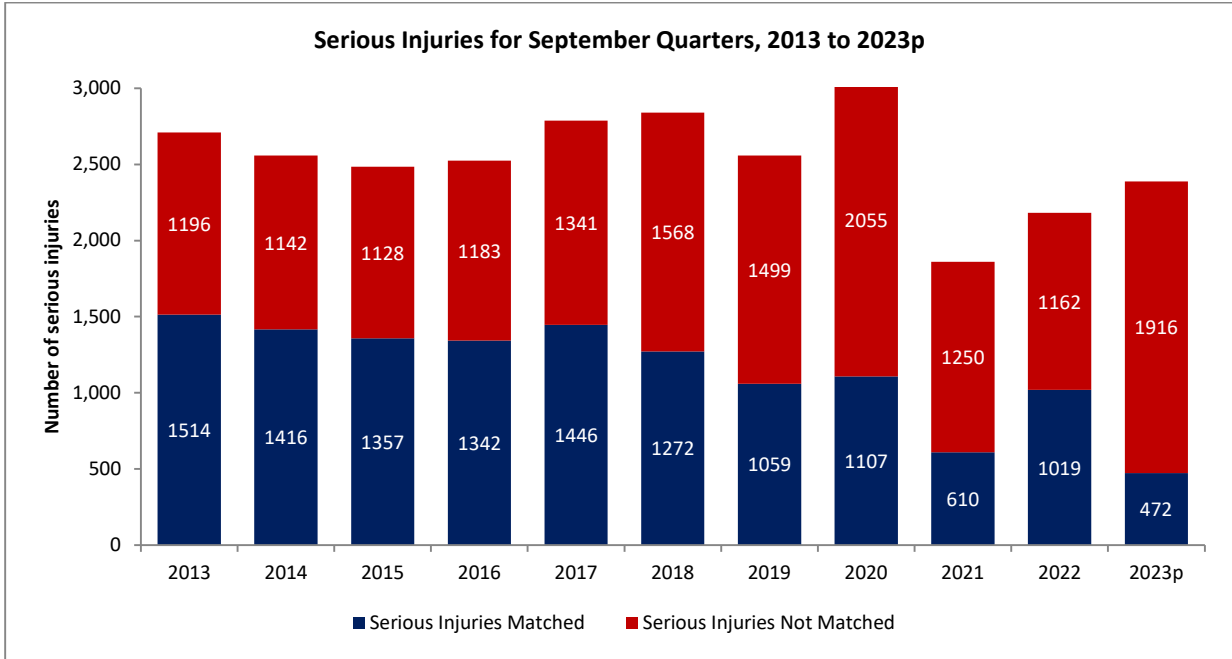
Serious injury numbers and rates for 12-mth period ending September 2023p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	10,021	120.8
Serious injuries (matched) ²	3,215	38.7
Serious injuries (not matched) ³	6,806	82.0

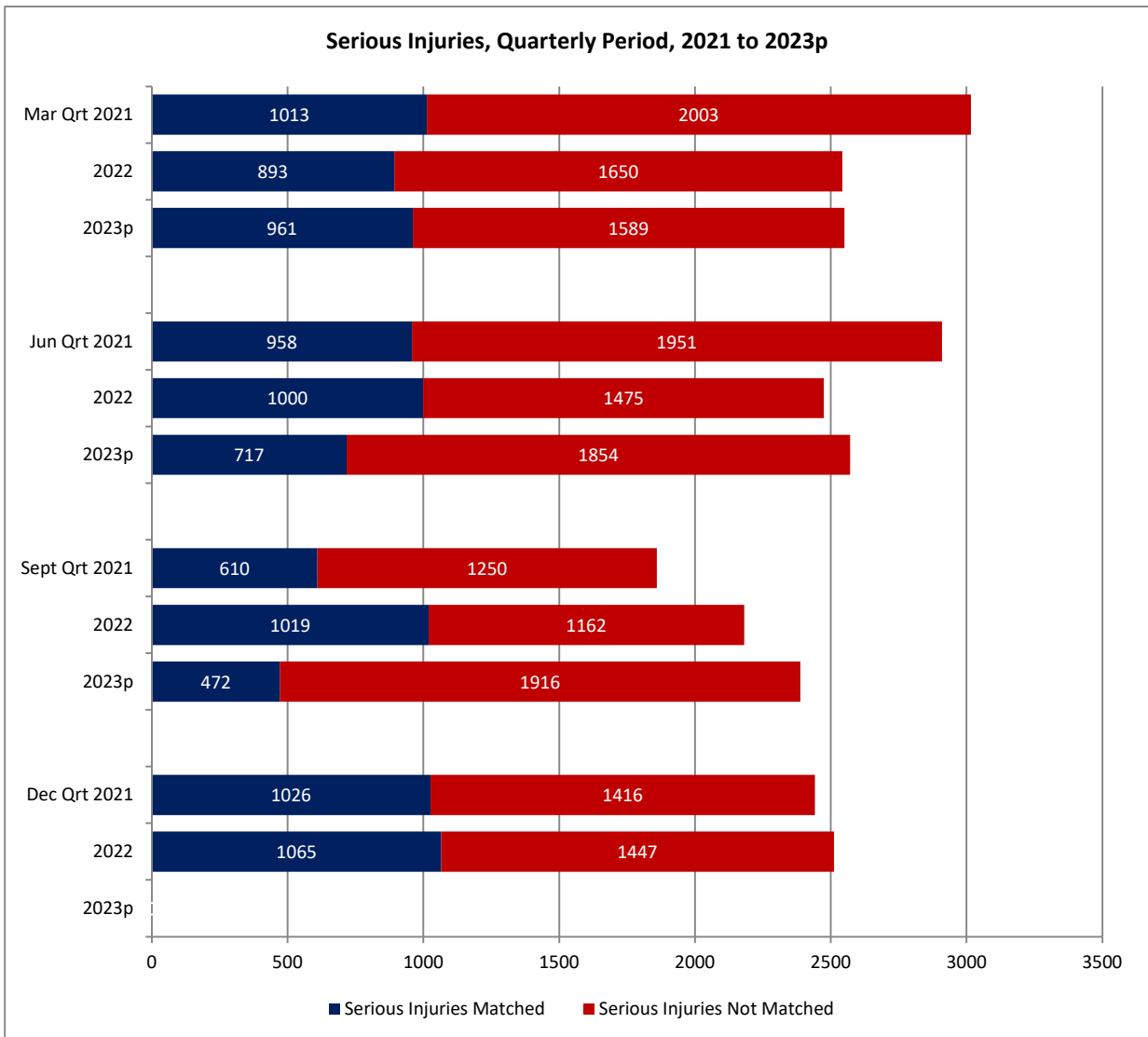


3 Quarterly Comparison

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



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



4 Rolling 12 Month Statistics

4.1 Serious injuries

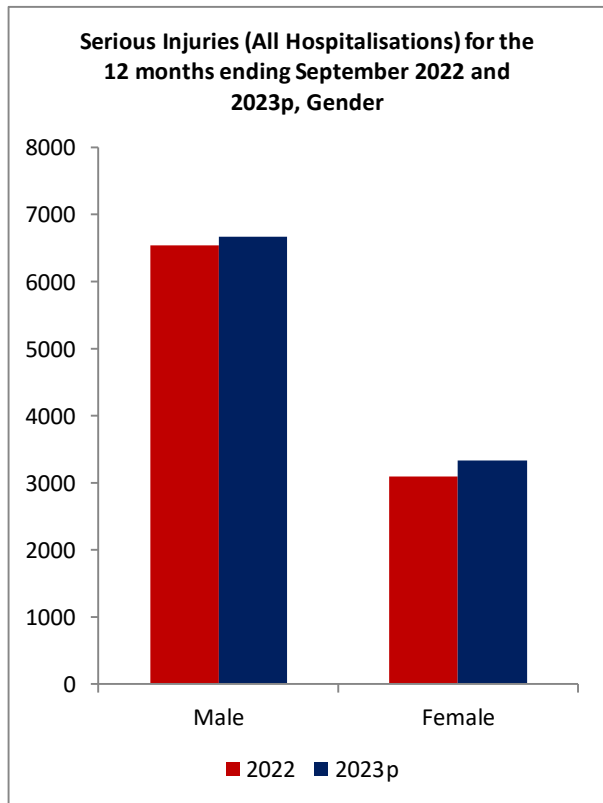
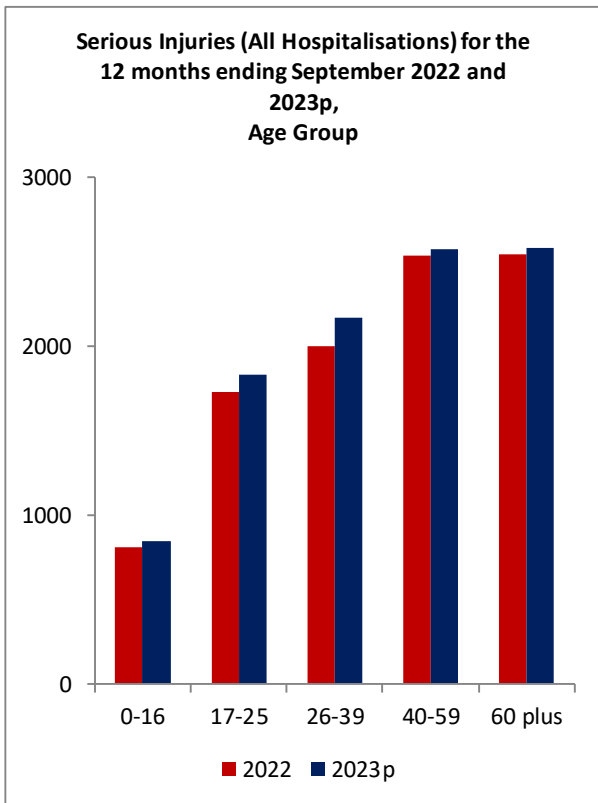
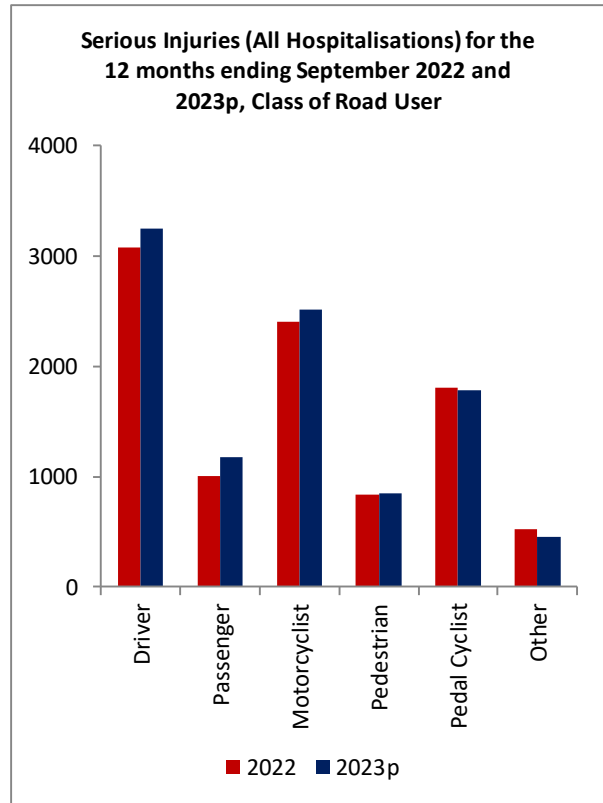
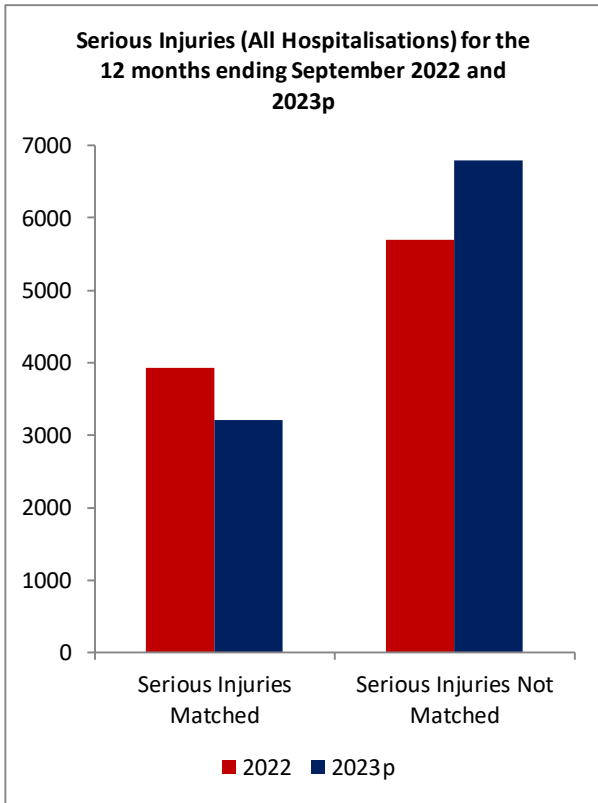
Overall

	12 months ending Sep 2023p	12 months ending Sep 2022	# Change	% Change
Serious Injuries Matched	3215	3938	-723	-18%
Serious Injuries Not Matched	6806	5703	1103	19%
All Hospitalisations	10021	9641	380	4%

Serious Injuries (All Hospitalisations)

	12 months ending Sep 2023p	12 months ending Sep 2022	# Change	% Change
Road User Group				
Driver	3247	3075	172	6%
Passenger	1176	1005	171	17%
Motorcyclist	2517	2398	119	5%
Pedestrian	849	833	16	2%
Pedal Cyclist	1779	1808	-29	-2%
Other	453	522	-69	-13%
Total	10021	9641	380	4%
Age Group				
0-4	69	62	7	11%
5-16	779	752	27	4%
17-20	906	831	75	9%
21-25	924	897	27	3%
26-29	663	689	-26	-4%
30-39	1511	1316	195	15%
40-49	1262	1275	-13	-1%
50-59	1316	1266	50	4%
60-69	1101	1139	-38	-3%
70-79	897	832	65	8%
80+	583	575	8	1%
Unknown	10	7	3	43%
Total	10021	9641	380	4%
Gender				
Male	6679	6544	135	2%
Female	3340	3096	244	8%
Unknown	2	1	1	100%
Total	10021	9641	380	4%

p Preliminary data subject to change.

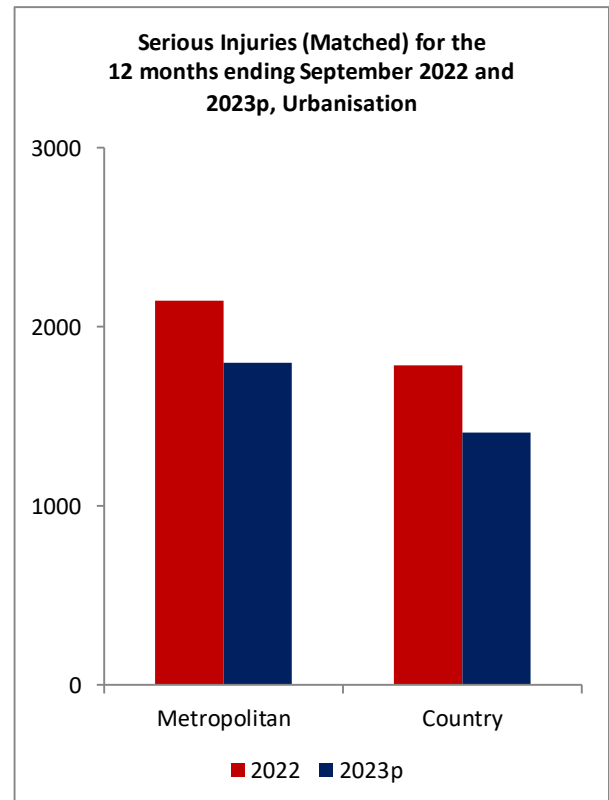
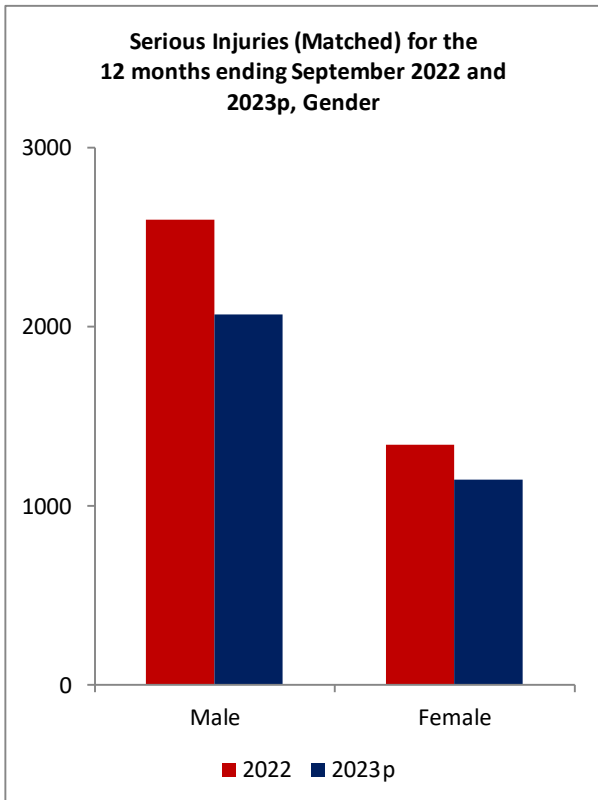
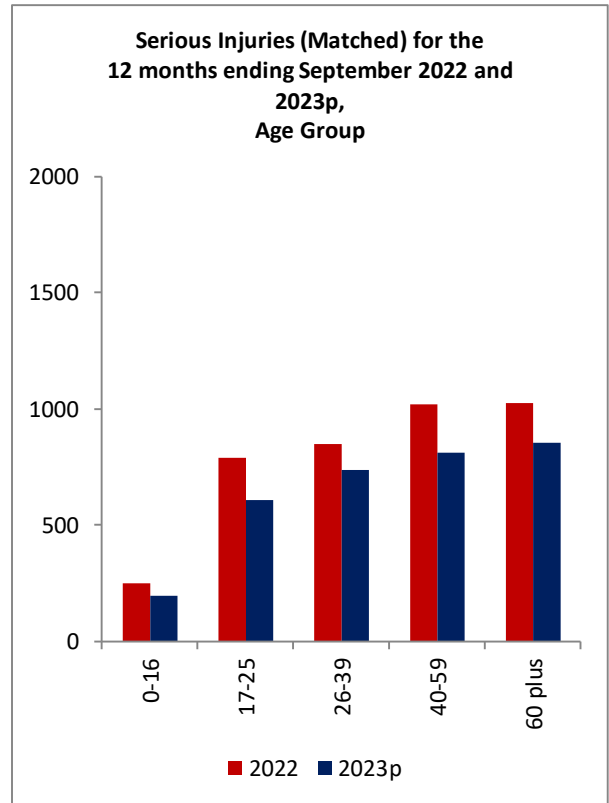
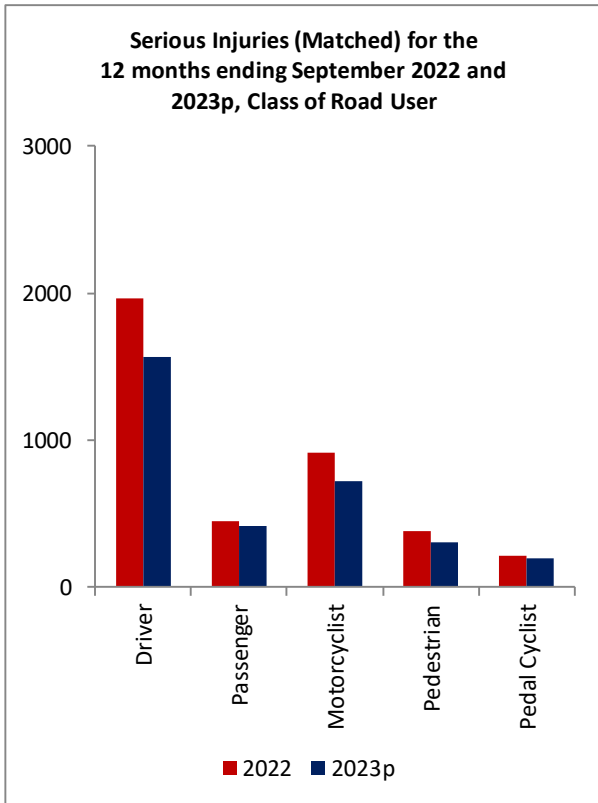


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Serious Injuries (Matched)

	12 months ending Sep 2023p	12 months ending Sep 2022	# Change	% Change
Road User Group				
Driver	1562	1964	-402	-20%
Passenger	421	454	-33	-7%
Motorcyclist	723	915	-192	-21%
Pedestrian	308	385	-77	-20%
Pedal Cyclist	199	215	-16	-7%
Other Road User	2	5	-3	-60%
Total	3215	3938	-723	-18%
Age Group				
0-4	13	27	-14	-52%
5-16	184	221	-37	-17%
17-20	298	393	-95	-24%
21-25	311	399	-88	-22%
26-29	230	285	-55	-19%
30-39	506	563	-57	-10%
40-49	407	513	-106	-21%
50-59	402	507	-105	-21%
60-69	364	468	-104	-22%
70-79	291	339	-48	-14%
80+	199	216	-17	-8%
Unknown	10	7	3	43%
Total	3215	3938	-723	-18%
Gender				
Male	2070	2599	-529	-20%
Female	1144	1338	-194	-14%
Unknown	1	1	0	0%
Total	3215	3938	-723	-18%
Urbanisation				
Metropolitan	1802	2150	-348	-16%
Country	1413	1788	-375	-21%
Total	3215	3938	-723	-18%

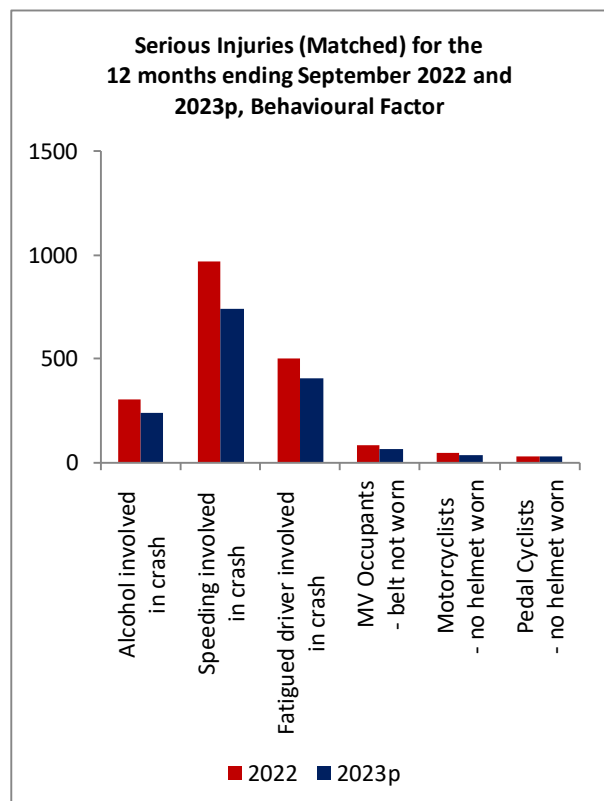
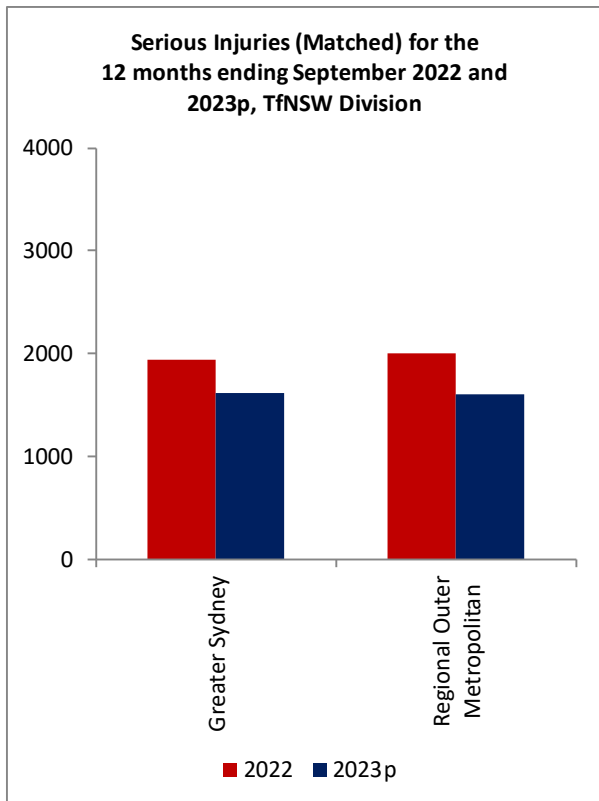
p Preliminary data subject to change.



Serious Injuries (Matched) cont....

	12 months ending Sep 2023p	12 months ending Sep 2022	# Change	% Change
TfNSW Division				
Greater Sydney	1615	1941	-326	-17%
Regional Outer Metropolitan	1600	1997	-397	-20%
North	940	1181	-241	-20%
South	417	485	-68	-14%
West	243	331	-88	-27%
Total	3215	3938	-723	-18%
Behaviour Factors				
Alcohol involved in crash 'Yes'	240	305	-65	-21%
Speeding involved in crash 'Yes'	740	971	-231	-24%
Fatigue involved in crash 'Yes'	408	504	-96	-19%
Safety Device Usage				
Driver - belt not worn	35	48	-13	-27%
Passenger - belt not worn	27	36	-9	-25%
Motor Vehicle Occupants - belt not worn	62	84	-22	-26%
Motorcyclists- no helmet worn	33	47	-14	-30%
Pedal Cyclists - no helmet worn	30	26	4	15%

p Preliminary data subject to change.



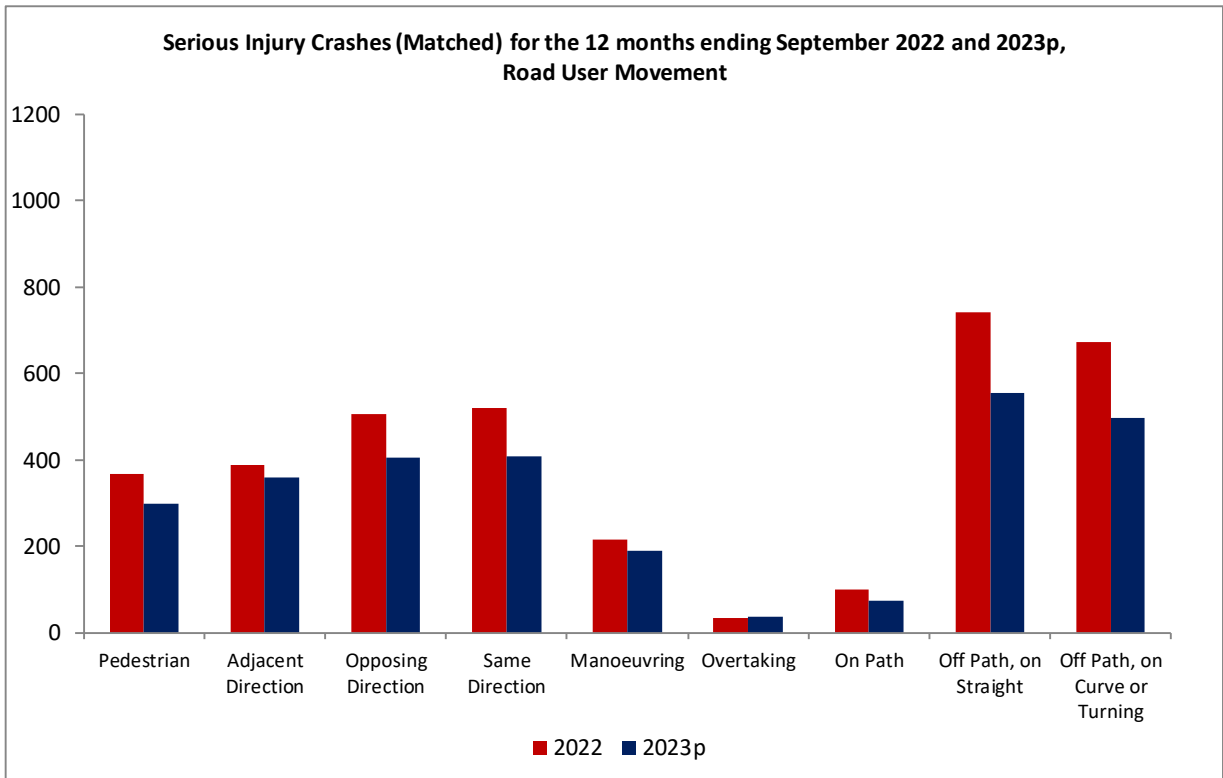
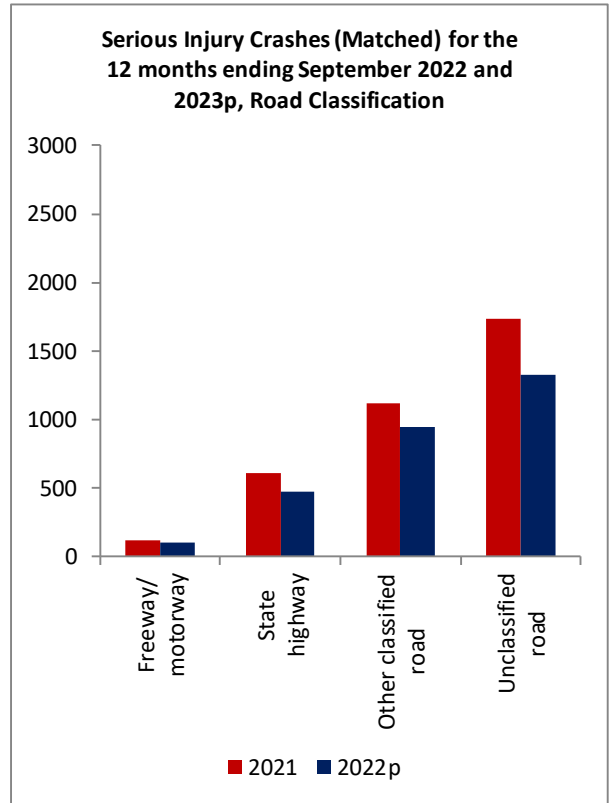
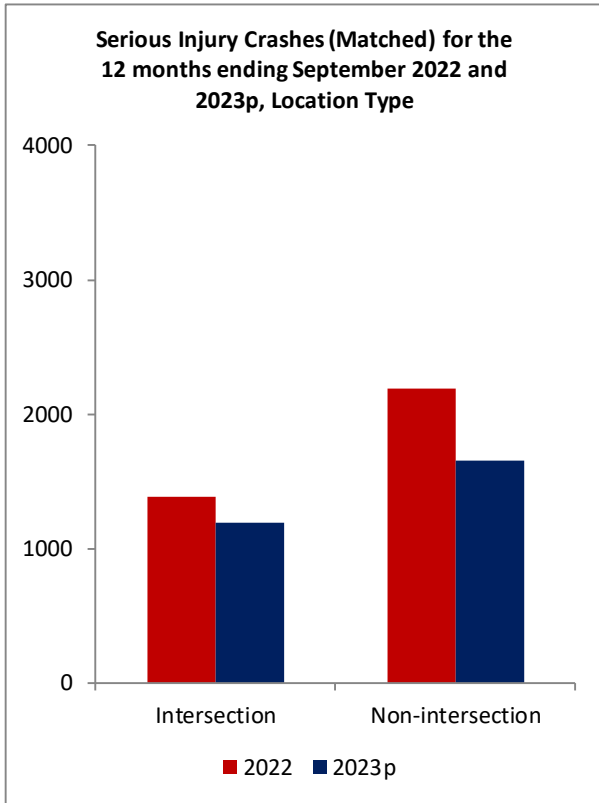
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Sep 2023p	12 months ending Sep 2022	# Change	% Change
Location type				
Intersection	1188	1388	-200	-14%
Non-intersection	1657	2195	-538	-25%
Total[^]	2845	3583	-738	-21%
Road classification				
Freeway/motorway	100	120	-20	-17%
State highway	474	610	-136	-22%
Other classified road	943	1120	-177	-16%
Unclassified road	1328	1733	-405	-23%
Total	2845	3583	-738	-21%
Type of crash (RUM)				
Pedestrian	298	368	-70	-19%
Cross Traffic	193	211	-18	-9%
Other Turning Adjacent	167	178	-11	-6%
Head On (Not O'Taking)	181	221	-40	-18%
Other Turning Opposite	225	285	-60	-21%
Rear End (incl Left and Right Rear)	289	360	-71	-20%
Lane Side Swipe (incl lane change left / right)	93	133	-40	-30%
Other Turn Side Swipe	26	28	-2	-7%
Manoeuvring	189	214	-25	-12%
Overtaking	37	35	2	6%
On Path	74	101	-27	-27%
Off Path, on Straight	554	742	-188	-25%
Off Path, on Curve or Turning	496	673	-177	-26%
Miscellaneous / Unknown	23	34	-11	-32%
Total	2845	3583	-738	-21%

[^]Total includes unknowns

^pPreliminary data subject to change.



5 Annual Statistics

5.1 Serious injuries

	Year	Quarter				Total
		Q1	Q2	Q3	Q4	
Serious Injuries Matched	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	961	717	472	0	2150	
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	1589	1854	1916	0	5359	
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	2550	2571	2388	0	7509	

p Preliminary data subject to change.

Serious Injury Report – Quarter Ending September 2023p

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