



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending September 2022 (preliminary)

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- 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.
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- 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 –

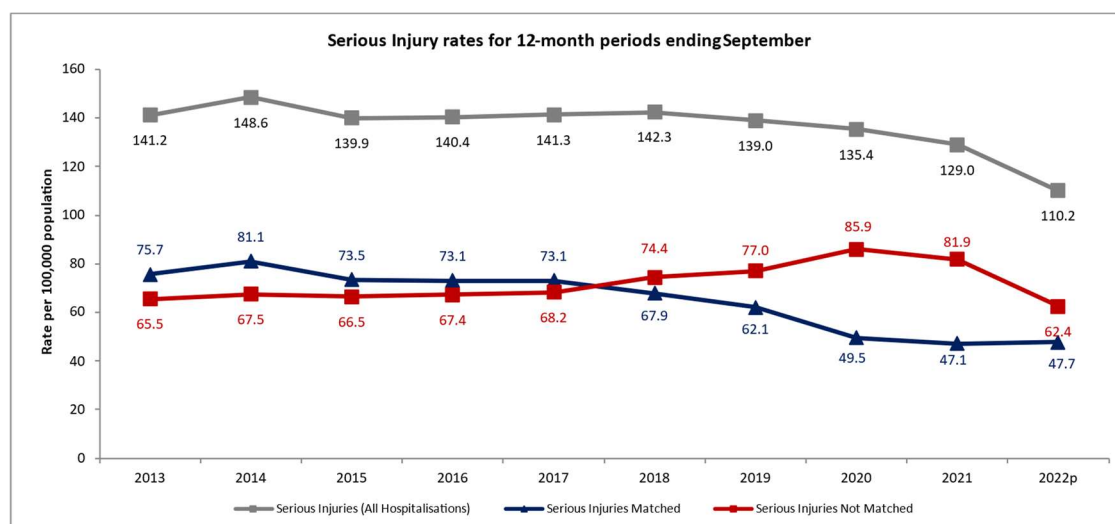
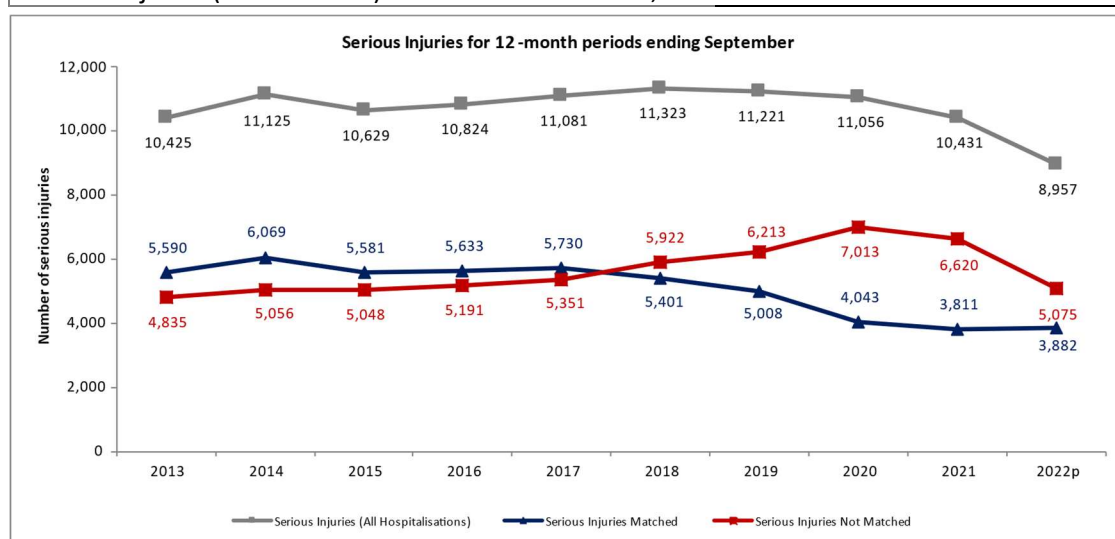
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

2 Serious Injury Trends

There were 2,007 serious injuries (all hospitalisations) for the September 2022 quarter, 147 (8 per cent) fewer than the September 2021 quarter. Over the 12-month period ending September 2022 there were 8,957 serious injuries (all hospitalisations), 1,474 fewer than the 12-month period ending September 2021. The serious injury rate for the 12-months ending September 2022 was 110.2 per 100,000 population.

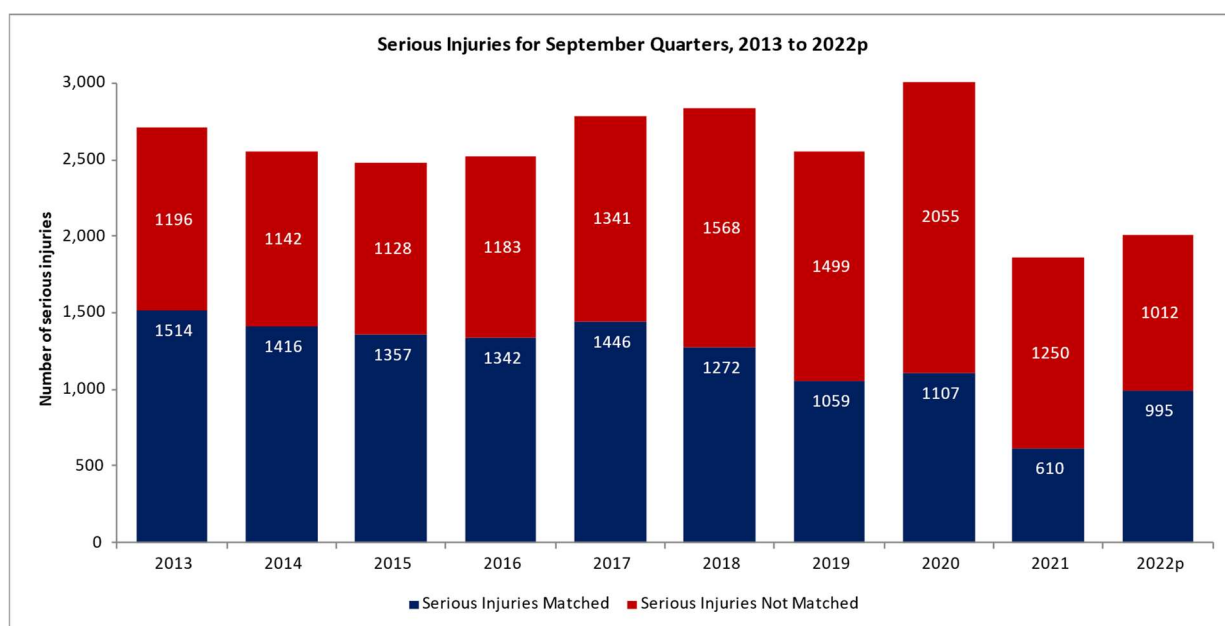
Serious injury numbers and rates for 12-mth period ending September 2022p

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	8,957	110.2
Serious injuries (matched) ²	3,882	47.7
Serious injuries (not matched) ³	5,075	62.4

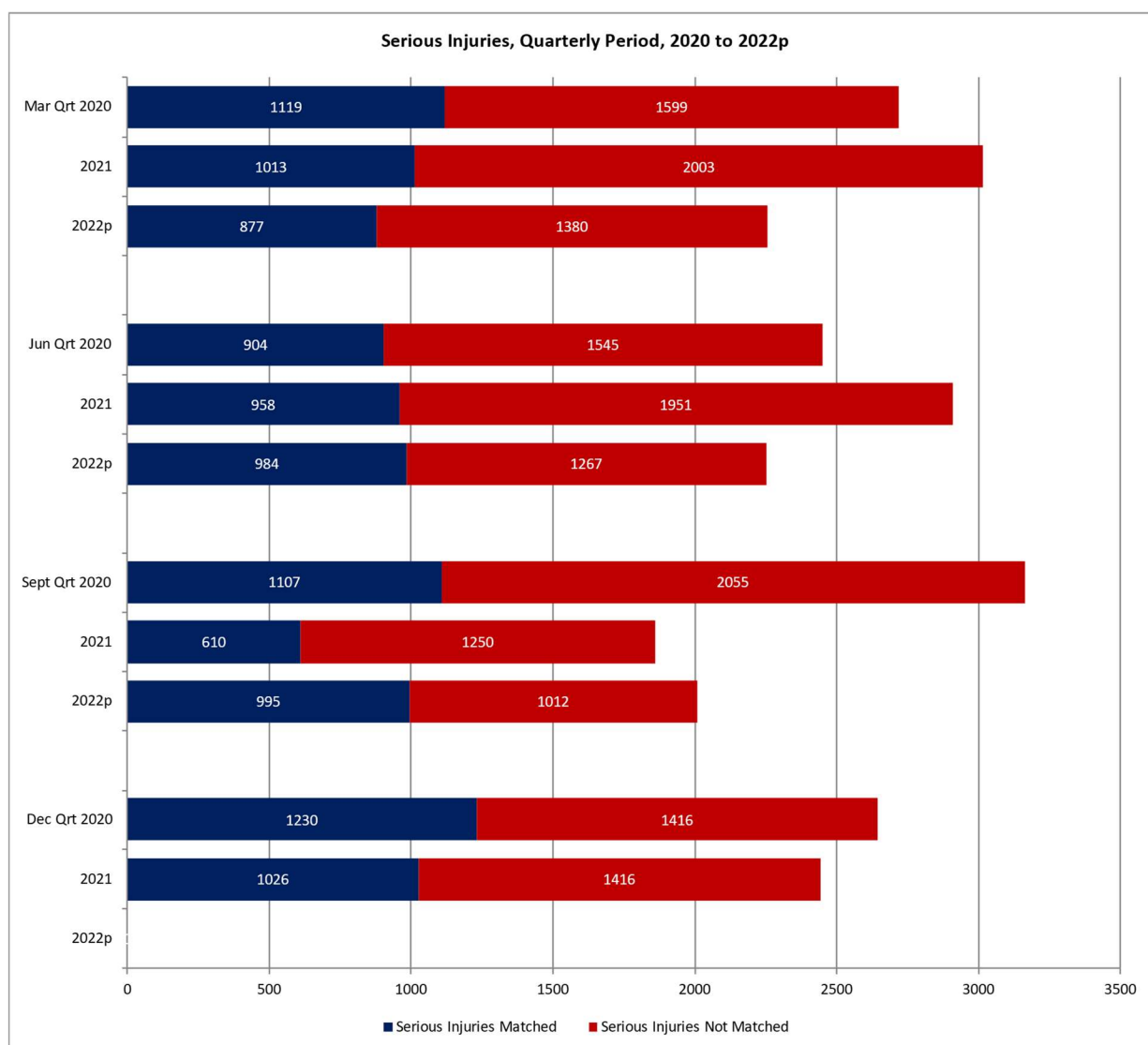


3 Quarterly Comparison

3.1 NSW serious injuries for September Quarter: 2013 to 2022p



3.2 NSW Serious Injuries: Quarterly comparison, 2020 to 2022p



4 Rolling 12 Month Statistics

4.1 Serious injuries

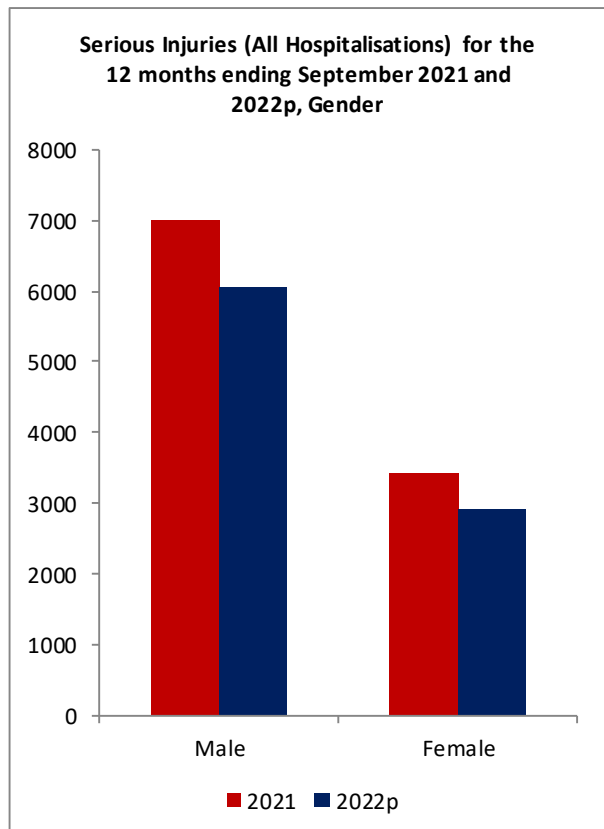
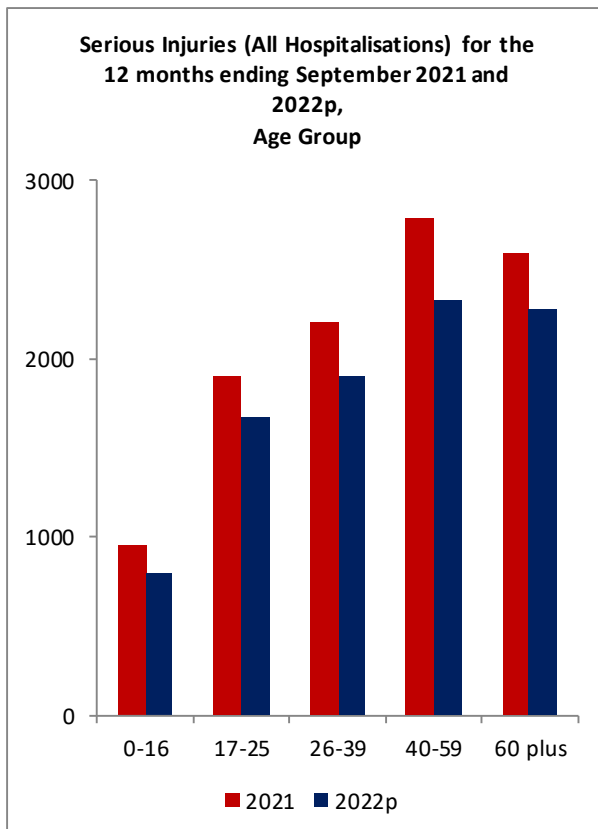
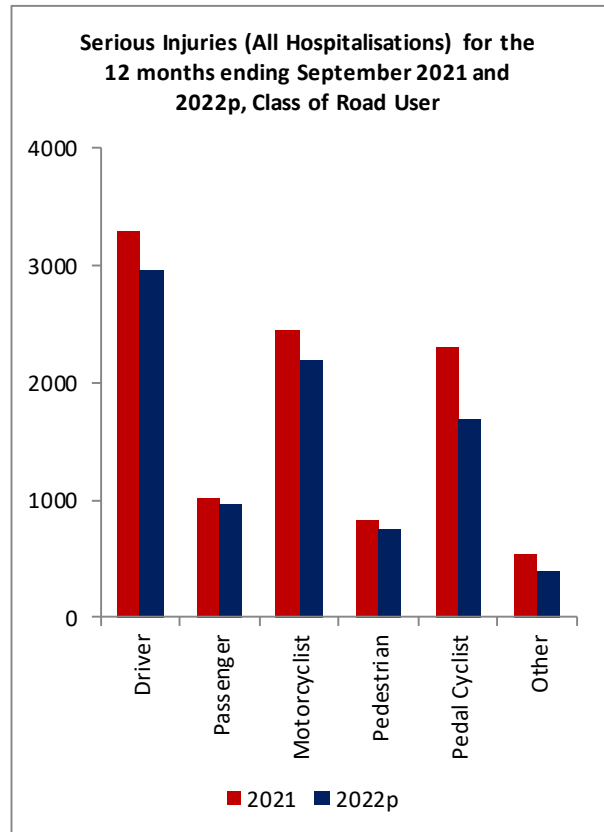
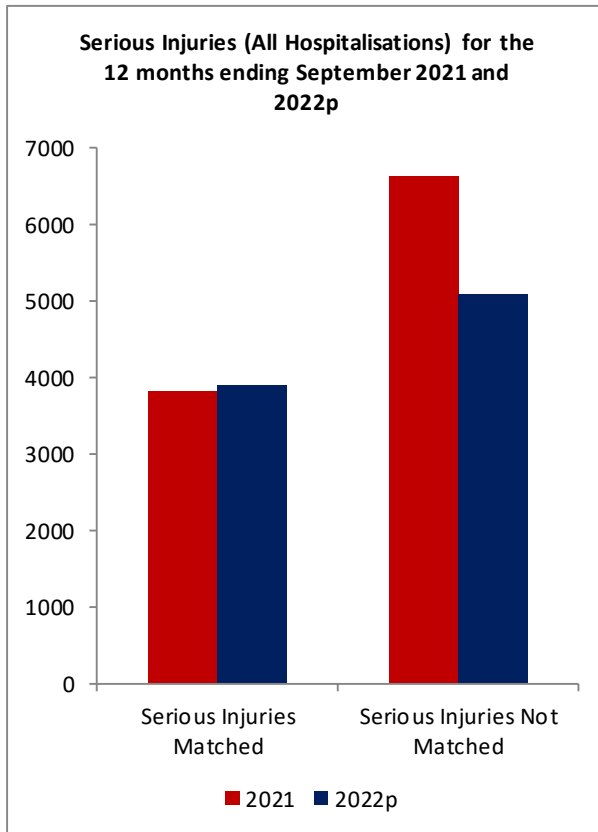
Overall

	12 months ending Sep 2022p	12 months ending Sep 2021	# Change	% Change
Serious Injuries Matched	3882	3811	71	2%
Serious Injuries Not Matched	5075	6620	-1545	-23%
All Hospitalisations	8957	10431	-1474	-14%

Serious Injuries (All Hospitalisations)

	12 months ending Sep 2022p	12 months ending Sep 2021	# Change	% Change
Road User Group				
Driver	2957	3290	-333	-10%
Passenger	977	1024	-47	-5%
Motorcyclist	2197	2456	-259	-11%
Pedestrian	749	829	-80	-10%
Pedal Cyclist	1687	2298	-611	-27%
Other	390	534	-144	-27%
Total	8957	10431	-1474	-14%
Age Group				
0-4	60	70	-10	-14%
5-16	736	884	-148	-17%
17-20	800	884	-84	-10%
21-25	863	1016	-153	-15%
26-29	647	711	-64	-9%
30-39	1246	1484	-238	-16%
40-49	1176	1409	-233	-17%
50-59	1152	1373	-221	-16%
60-69	1006	1185	-179	-15%
70-79	753	788	-35	-4%
80+	511	618	-107	-17%
Unknown	7	9	-2	-22%
Total	8957	10431	-1474	-14%
Gender				
Male	6046	7011	-965	-14%
Female	2910	3419	-509	-15%
Unknown	1	1	0	0%
Total	8957	10431	-1474	-14%

p Preliminary data subject to change.

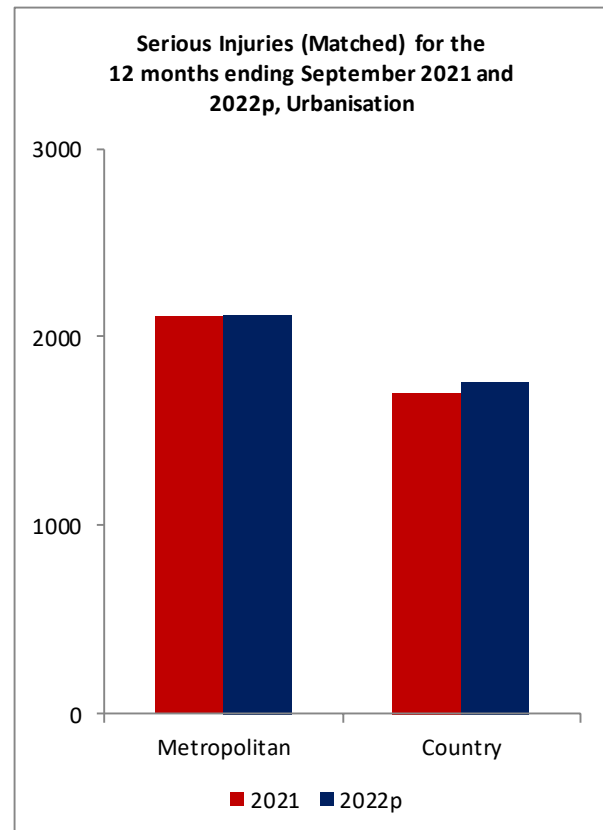
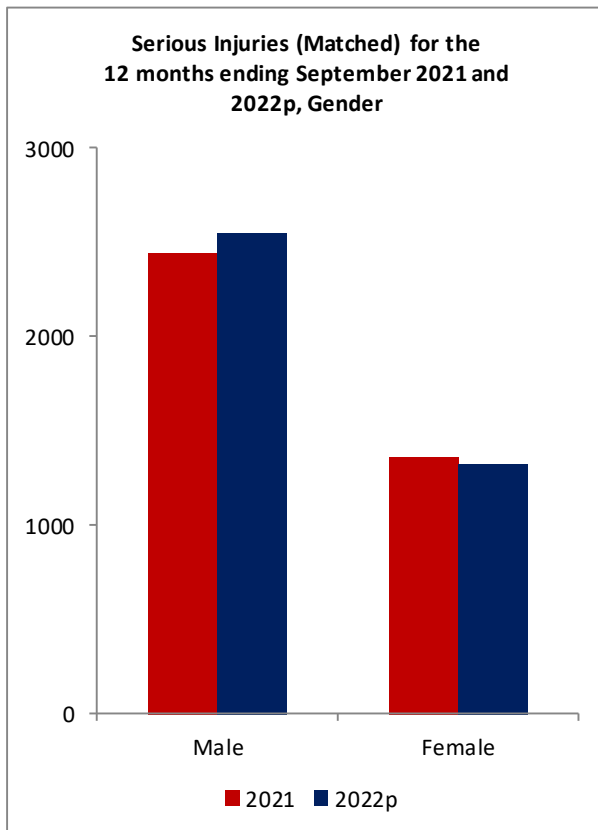
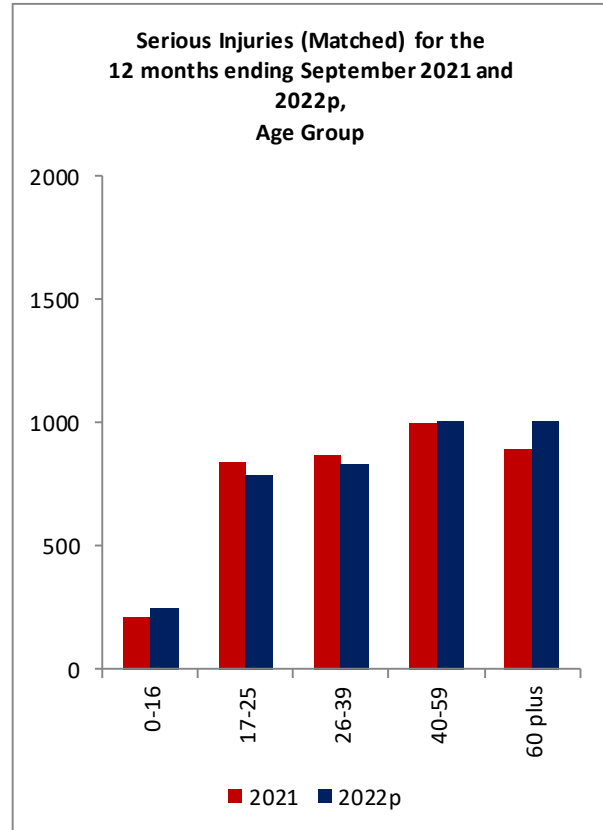
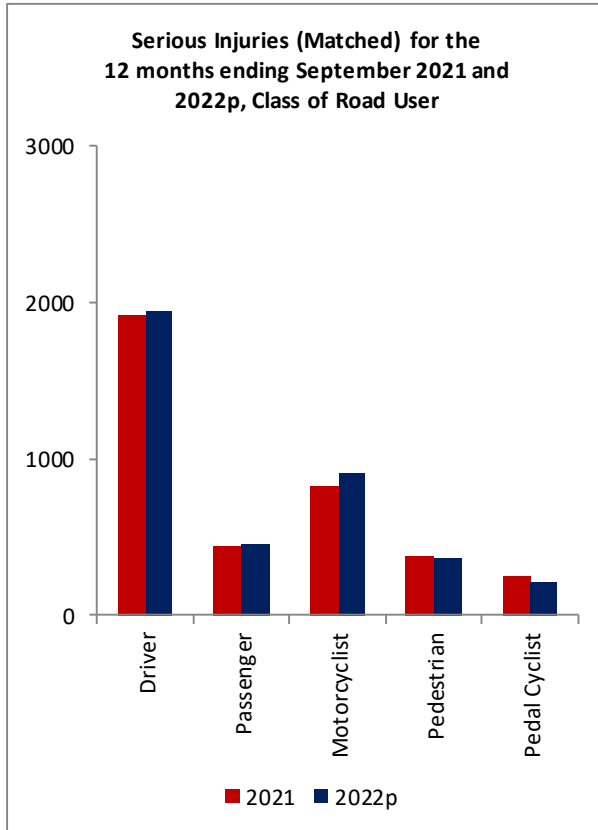


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Serious Injuries (Matched)

	12 months ending Sep 2022p	12 months ending Sep 2021	# Change	% Change
Road User Group				
Driver	1940	1919	21	1%
Passenger	449	441	8	2%
Motorcyclist	902	820	82	10%
Pedestrian	373	380	-7	-2%
Pedal Cyclist	213	250	-37	-15%
Other Road User	5	1	4	400%
Total	3882	3811	71	2%
Age Group				
0-4	26	23	3	13%
5-16	220	188	32	17%
17-20	387	395	-8	-2%
21-25	396	441	-45	-10%
26-29	278	283	-5	-2%
30-39	556	585	-29	-5%
40-49	506	514	-8	-2%
50-59	503	483	20	4%
60-69	458	425	33	8%
70-79	334	277	57	21%
80+	211	188	23	12%
Unknown	7	9	-2	-22%
Total	3882	3811	71	2%
Gender				
Male	2554	2442	112	5%
Female	1327	1368	-41	-3%
Unknown	1	1	0	0%
Total	3882	3811	71	2%
Urbanisation				
Metropolitan	2121	2106	15	1%
Country	1761	1705	56	3%
Total	3882	3811	71	2%

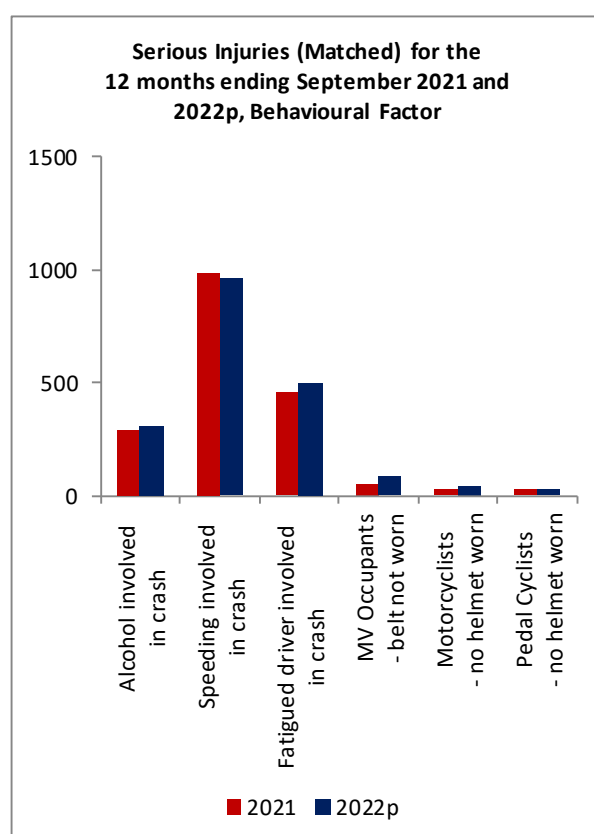
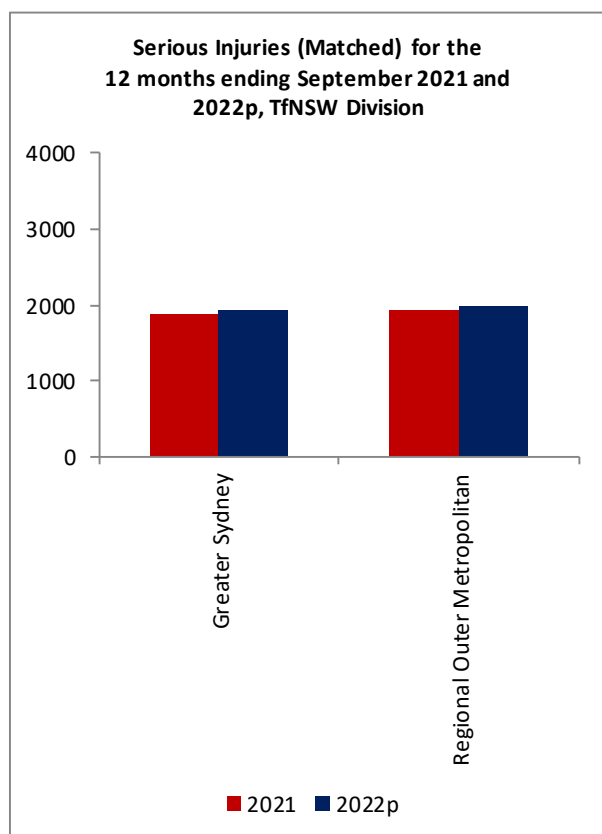
p Preliminary data subject to change.



Serious Injuries (Matched) cont....

	12 months ending Sep 2022p	12 months ending Sep 2021	# Change	% Change
TfNSW Division				
Greater Sydney	1918	1887	31	2%
Regional Outer Metropolitan	1964	1924	40	2%
North	1169	1130	39	3%
South	470	495	-25	-5%
West	325	299	26	9%
Total	3882	3811	71	2%
Behaviour Factors				
Alcohol involved in crash 'Yes'	304	294	10	3%
Speeding involved in crash 'Yes'	956	986	-30	-3%
Fatigue involved in crash 'Yes'	501	456	45	10%
Safety Device Usage				
Driver - belt not worn	48	34	14	41%
Passenger - belt not worn	36	21	15	71%
Motor Vehicle Occupants - belt not worn	84	55	29	53%
Motorcyclists- no helmet worn	45	28	17	61%
Pedal Cyclists - no helmet worn	26	29	-3	-10%

p Preliminary data subject to change.



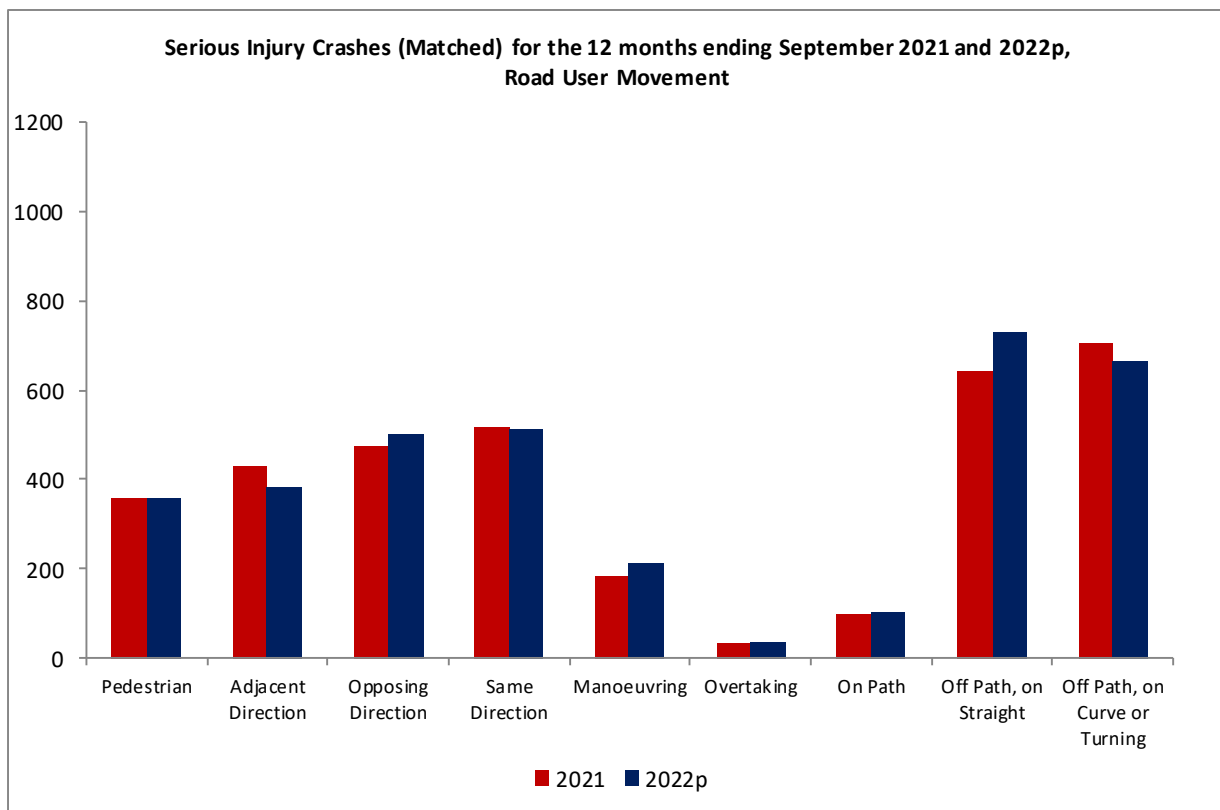
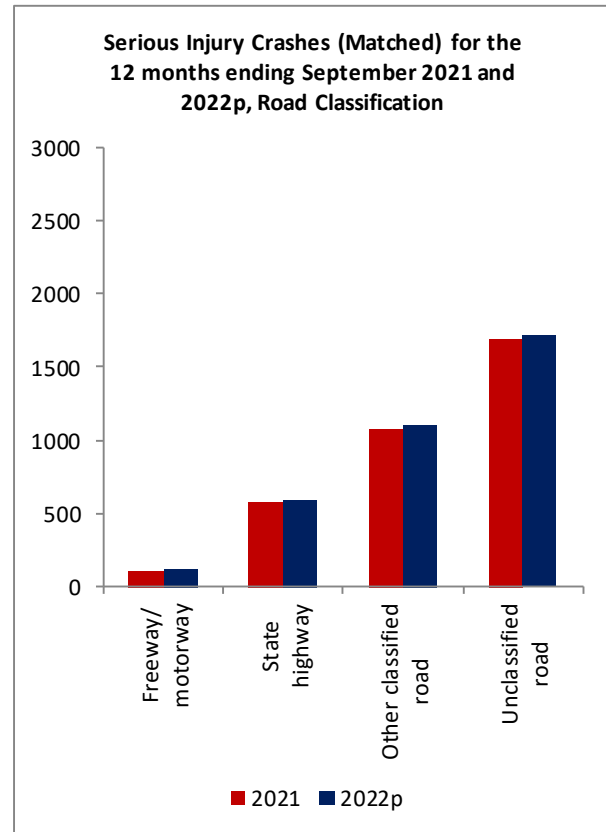
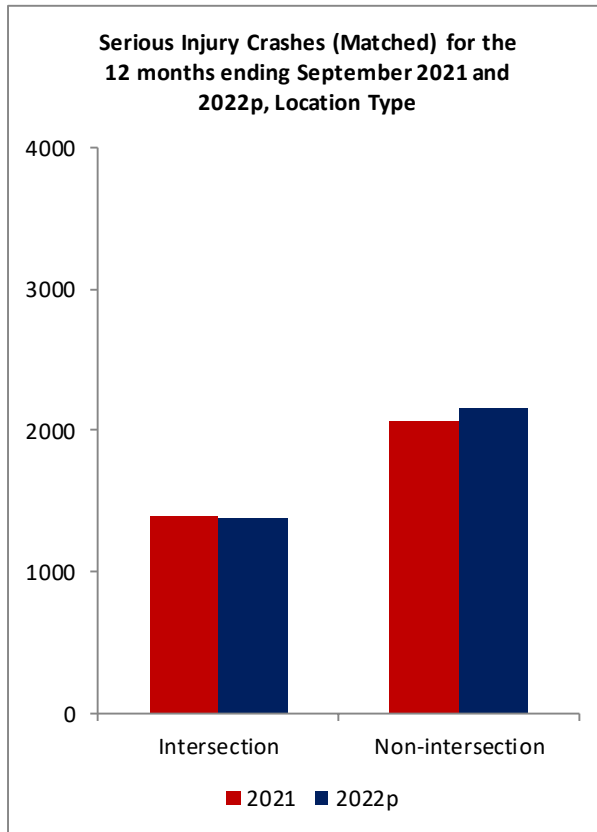
4.2 Serious injury crashes

Serious Injury Crashes (Matched)

	12 months ending Sep 2022p	12 months ending Sep 2021	# Change	% Change
Location type				
Intersection	1375	1388	-13	-1%
Non-intersection	2154	2067	87	4%
Total[^]	3529	3456	73	2%
Road classification				
Freeway/motorway	116	111	5	5%
State highway	597	575	22	4%
Other classified road	1106	1082	24	2%
Unclassified road	1710	1688	22	1%
Total	3529	3456	73	2%
Type of crash (RUM)				
Pedestrian	357	358	-1	0%
Cross Traffic	208	243	-35	-14%
Other Turning Adjacent	176	185	-9	-5%
Head On (Not O'Taking)	216	216	0	0%
Other Turning Opposite	284	257	27	11%
Rear End (incl Left and Right Rear)	355	378	-23	-6%
Lane Side Swipe (incl lane change left / right)	131	106	25	24%
Other Turn Side Swipe	28	32	-4	-13%
Manoeuvring	212	181	31	17%
Overtaking	36	31	5	16%
On Path	102	99	3	3%
Off Path, on Straight	729	640	89	14%
Off Path, on Curve or Turning	662	703	-41	-6%
Miscellaneous / Unknown	33	27	6	22%
Total	3529	3456	73	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
	2022p	877	984	995	0	2856
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
	2022p	1380	1267	1012	0	3659
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
	2022p	2257	2251	2007	0	6515

p Preliminary data subject to change.

Serious Injury Report – Quarter Ending September 2022