



Transport  
for NSW

# Quarterly Bulletin of Serious Injury Crash Data

Quarter ending March 2022 (preliminary)

# Contents

1	Acknowledgements .....	3
2	Serious Injury Trends .....	4
3	Quarterly Comparison .....	5
3.1	NSW serious injuries for March Quarter: 2013 to 2022p .....	5
3.2	NSW serious injuries: quarterly comparison, 2020 to 2022p .....	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

<b>Date:</b>	March Quarter 2022
<b>Version:</b>	1
<b>Division:</b>	Safety, Environment and Regulation
<b>Branch:</b>	Safety, Security and Emergency Management
<b>Prepared for:</b>	Safety, Security and Emergency Management
<b>Publication date:</b>	September 2022

# 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 –

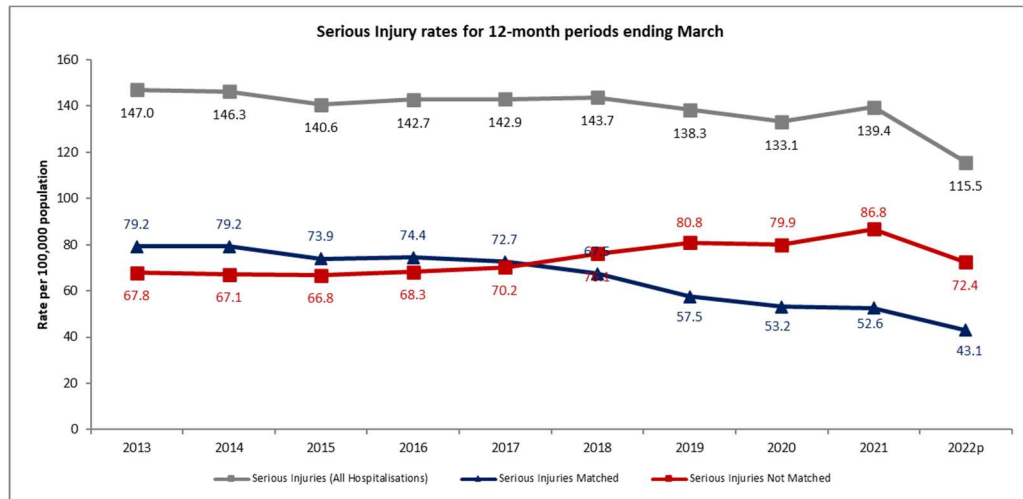
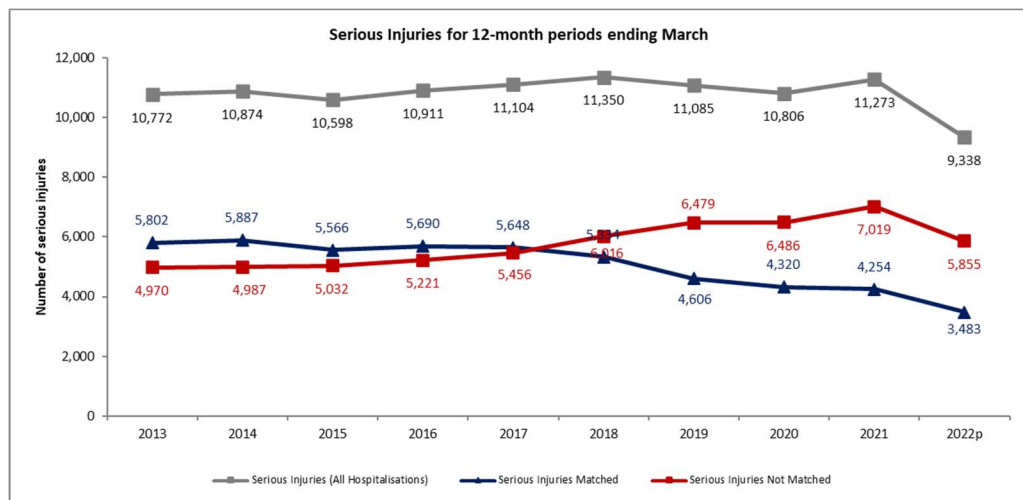
- Approved by the NSW Population & Health Services Research Ethics Committee on 19th December 2013.
- Approved by the Aboriginal Health & Medical Research Council Ethics Committee on 24th January 2014.
- Approved by the ACT Health Human Research Ethics Committee on 13th November 2013.
- Approved by the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

## 2 Serious Injury Trends

There were 2,127 serious injuries (all hospitalisations) for the March 2022 quarter, 889 (29 per cent) fewer than the March 2021 quarter. Over the 12-month period ending March 2022 there were 9,338 serious injuries (all hospitalisations), 1,935 fewer than the 12-month period ending March 2021. The serious injury rate for the 12-months ending March 2022 was 115.5 per 100,000 population.

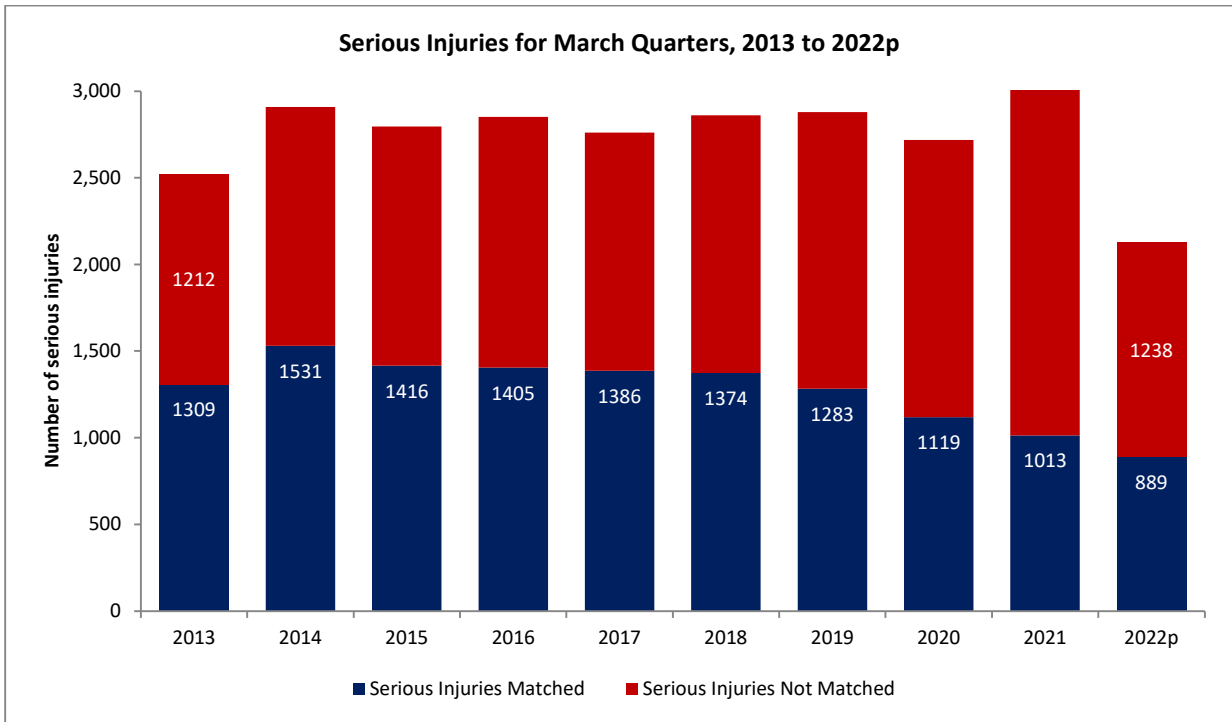
### Serious injury numbers and rates for 12-mth period ending March 2022p

	Number	Rate per 100,000
Serious injuries (all hospitalisations)	9,338	115.5
Serious injuries (matched) <sup>2</sup>	3,483	43.1
Serious injuries (not matched) <sup>3</sup>	5,855	72.4

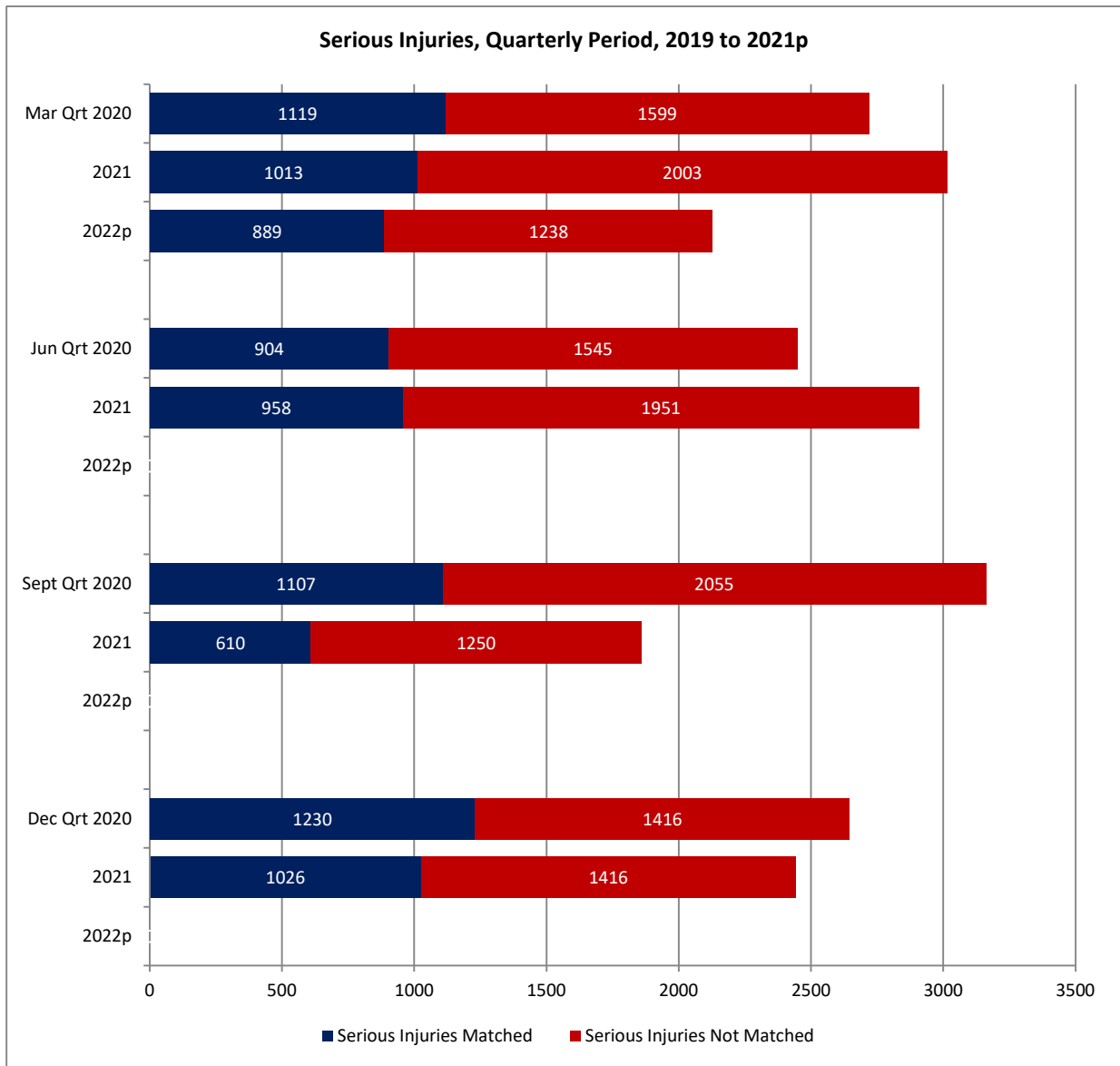


### 3 Quarterly Comparison

#### 3.1 NSW serious injuries for March Quarter: 2013 to 2022p



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



## 4 Rolling 12 Month Statistics

### 4.1 Serious injuries

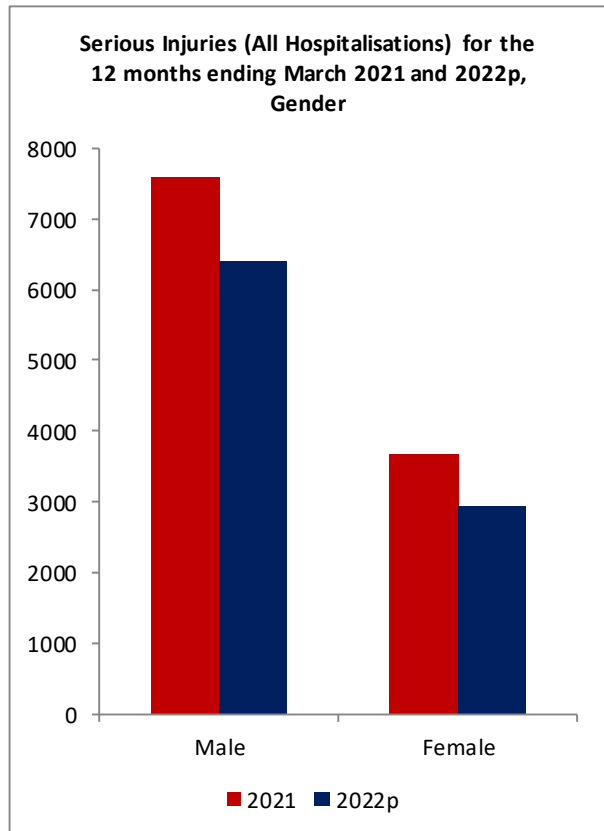
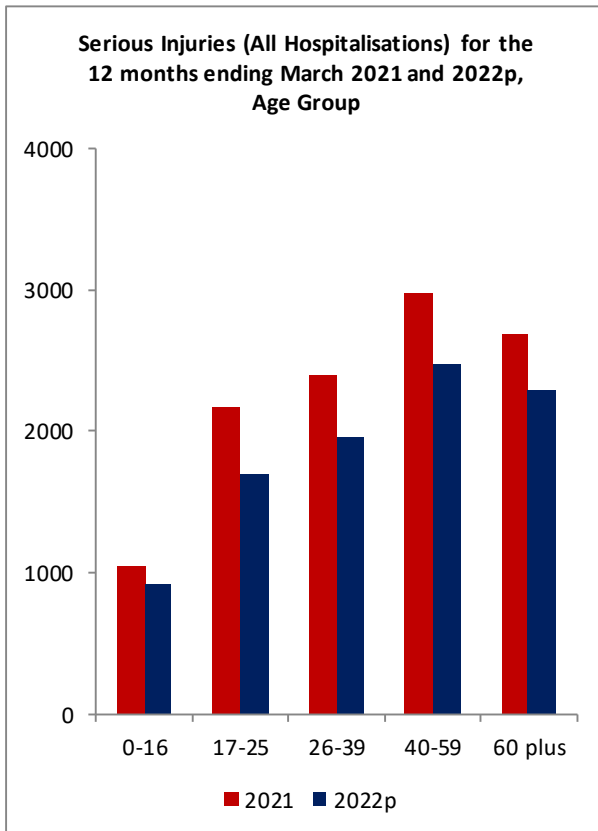
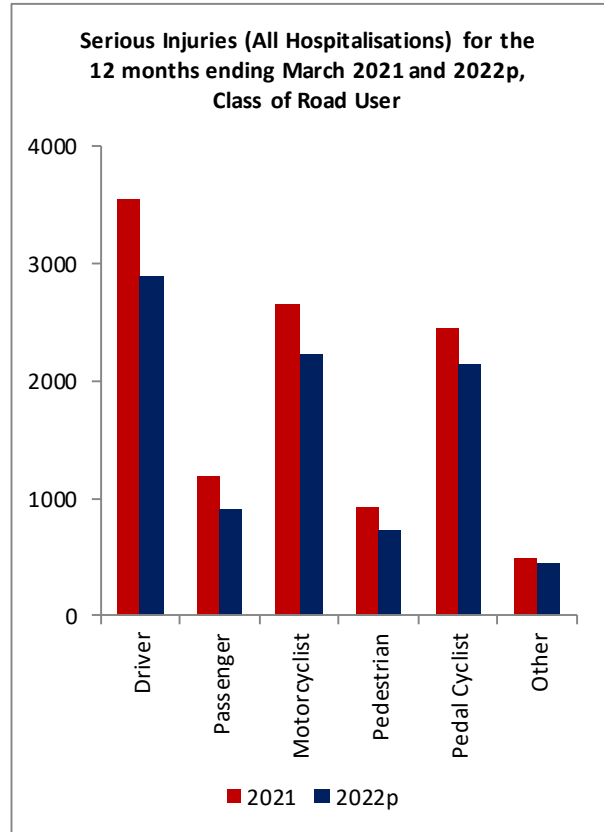
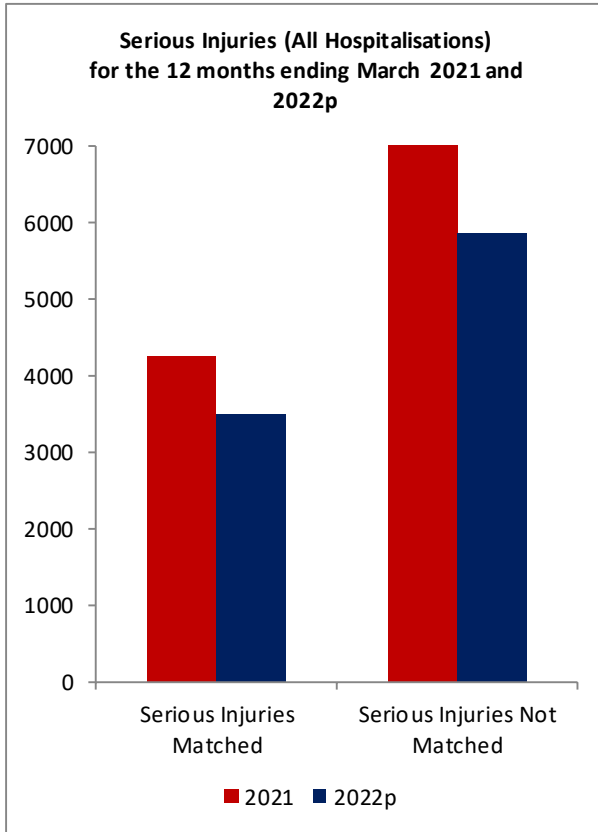
#### Overall

	12 months ending Mar 2022p	12 months ending Mar 2021	# Change	% Change
Serious Injuries Matched	3483	4254	-771	-18%
Serious Injuries Not Matched	5855	7019	-1164	-17%
<b>All Hospitalisations</b>	<b>9338</b>	<b>11273</b>	<b>-1935</b>	<b>-17%</b>

#### Serious Injuries (All Hospitalisations)

	12 months ending Mar 2022p	12 months ending Mar 2021	# Change	% Change
<b>Road User Group</b>				
Driver	2899	3554	-655	-18%
Passenger	904	1188	-284	-24%
Motorcyclist	2219	2663	-444	-17%
Pedestrian	726	918	-192	-21%
Pedal Cyclist	2147	2452	-305	-12%
Other	443	498	-55	-11%
<b>Total</b>	<b>9338</b>	<b>11273</b>	<b>-1935</b>	<b>-17%</b>
<b>Age Group</b>				
0-4	64	97	-33	-34%
5-16	855	949	-94	-10%
17-20	788	1025	-237	-23%
21-25	910	1137	-227	-20%
26-29	654	785	-131	-17%
30-39	1299	1610	-311	-19%
40-49	1245	1532	-287	-19%
50-59	1228	1444	-216	-15%
60-69	1037	1198	-161	-13%
70-79	717	849	-132	-16%
80+	532	640	-108	-17%
Unknown	9	7	2	29%
<b>Total</b>	<b>9338</b>	<b>11273</b>	<b>-1935</b>	<b>-17%</b>
<b>Gender</b>				
Male	6392	7597	-1205	-16%
Female	2945	3676	-731	-20%
Unknown	1	0	1	n/a
<b>Total</b>	<b>9338</b>	<b>11273</b>	<b>-1935</b>	<b>-17%</b>

p Preliminary data subject to change.



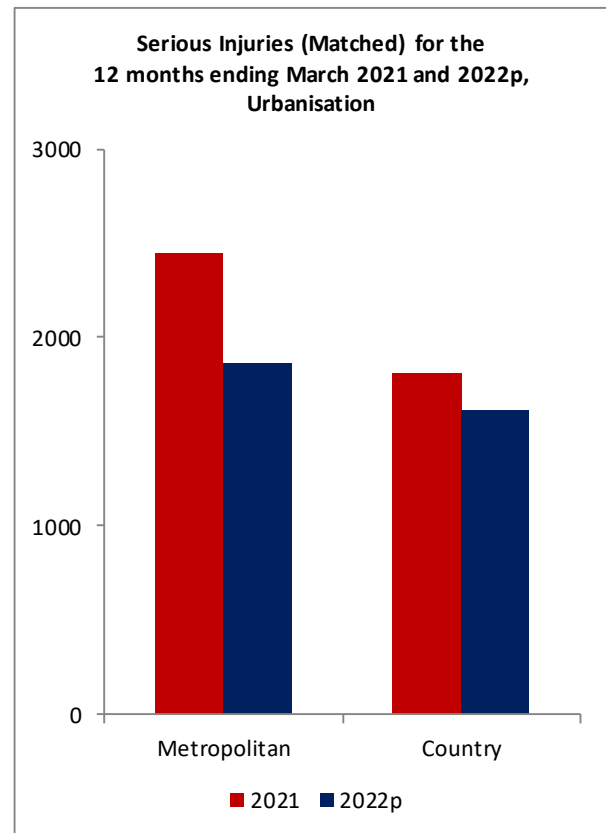
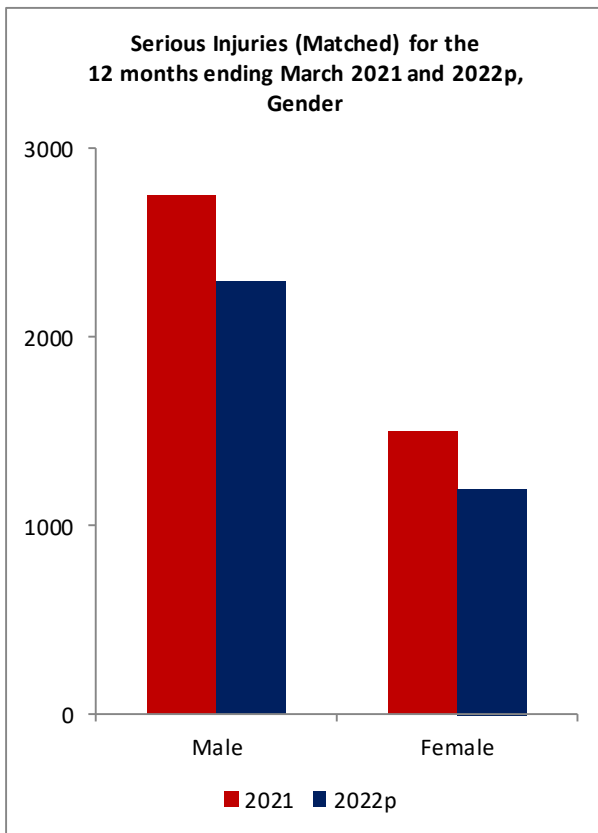
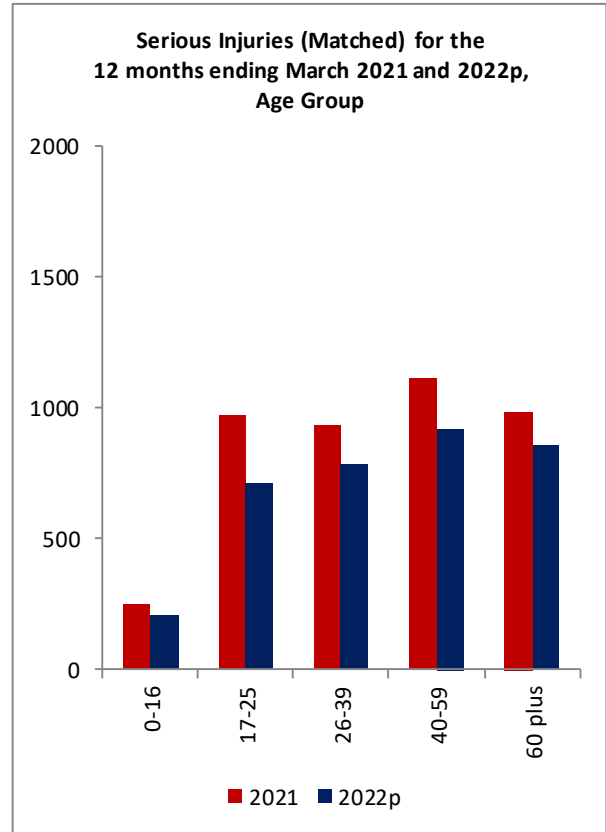
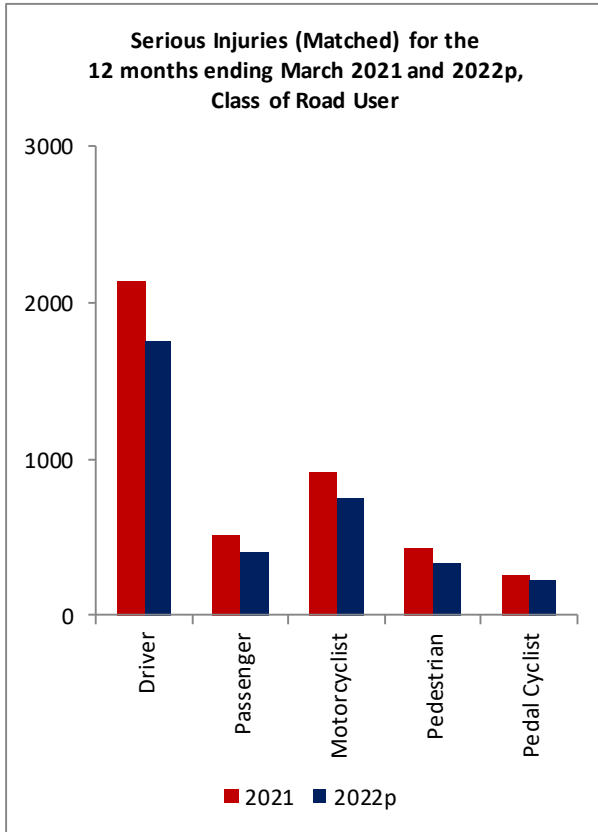


OFFICIAL

Serious Injuries (Matched)

	12 months ending Mar 2022p	12 months ending Mar 2021	# Change	% Change
<b>Road User Group</b>				
Driver	1758	2131	-373	-18%
Passenger	406	510	-104	-20%
Motorcyclist	755	920	-165	-18%
Pedestrian	332	427	-95	-22%
Pedal Cyclist	230	266	-36	-14%
Other Road User	2	0	2	n/a
<b>Total</b>	<b>3483</b>	<b>4254</b>	<b>-771</b>	<b>-18%</b>
<b>Age Group</b>				
0-4	24	34	-10	-29%
5-16	178	214	-36	-17%
17-20	334	474	-140	-30%
21-25	380	494	-114	-23%
26-29	258	322	-64	-20%
30-39	525	613	-88	-14%
40-49	457	565	-108	-19%
50-59	465	545	-80	-15%
60-69	390	439	-49	-11%
70-79	279	310	-31	-10%
80+	184	237	-53	-22%
Unknown	9	7	2	29%
<b>Total</b>	<b>3483</b>	<b>4254</b>	<b>-771</b>	<b>-18%</b>
<b>Gender</b>				
Male	2290	2749	-459	-17%
Female	1192	1505	-313	-21%
Unknown	1	0	1	n/a
<b>Total</b>	<b>3483</b>	<b>4254</b>	<b>-771</b>	<b>-18%</b>
<b>Urbanisation</b>				
Metropolitan	1866	2444	-578	-24%
Country	1617	1810	-193	-11%
<b>Total</b>	<b>3483</b>	<b>4254</b>	<b>-771</b>	<b>-18%</b>

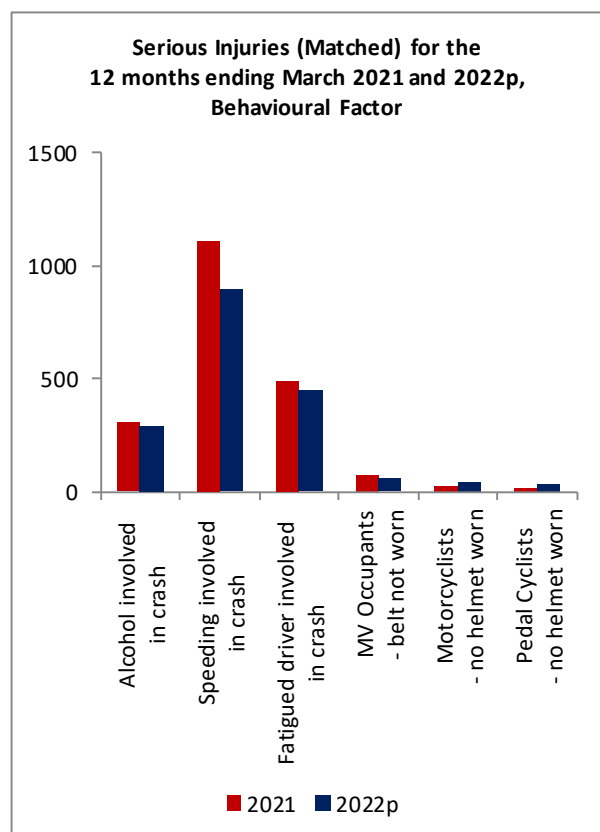
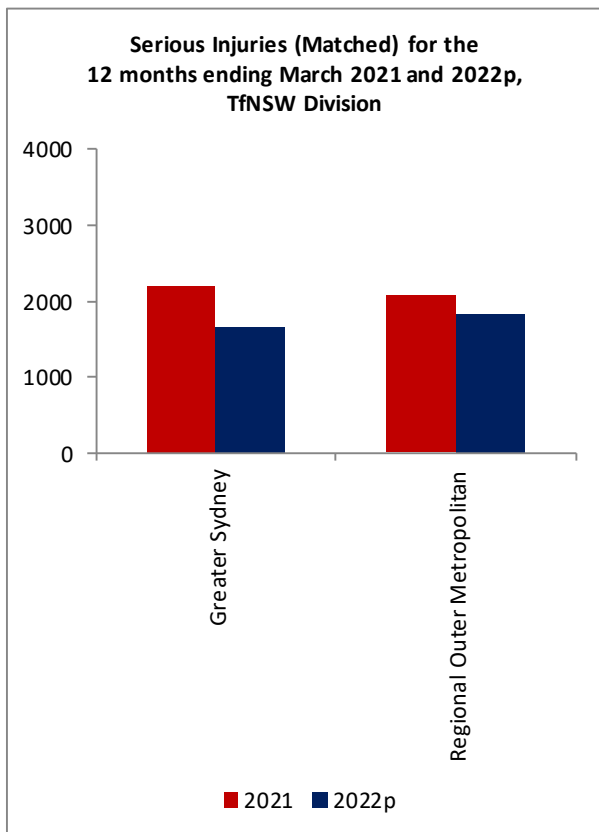
p Preliminary data subject to change.



Serious Injuries (Matched) cont...

	12 months ending Mar 2022p	12 months ending Mar 2021	# Change	% Change
<b>TfNSW Division</b>				
Greater Sydney	1666	2188	-522	-24%
Regional Outer Metropolitan	1817	2066	-249	-12%
North	1081	1197	-116	-10%
South	447	567	-120	-21%
West	289	302	-13	-4%
<b>Total</b>	<b>3483</b>	<b>4254</b>	<b>-771</b>	<b>-18%</b>
<b>Behaviour Factors</b>				
Alcohol involved in crash 'Yes'	293	307	-14	-5%
Speeding involved in crash 'Yes'	891	1111	-220	-20%
Fatigue involved in crash 'Yes'	445	487	-42	-9%
<b>Safety Device Usage</b>				
Driver - belt not worn	28	51	-23	-45%
Passenger - belt not worn	33	26	7	27%
Motor Vehicle Occupants - belt not worn	<b>61</b>	<b>77</b>	<b>-16</b>	<b>-21%</b>
Motorcyclists- no helmet worn	44	30	14	47%
Pedal Cyclists - no helmet worn	31	21	10	48%

p Preliminary data subject to change.

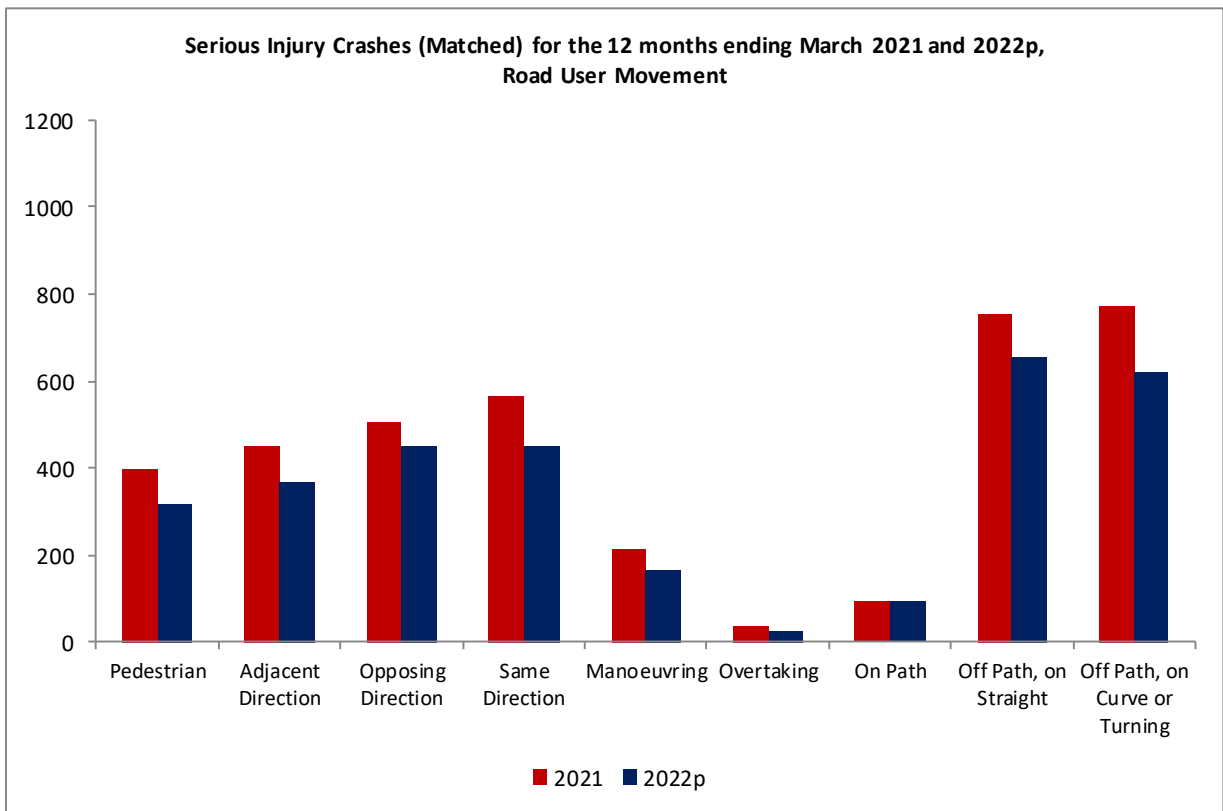
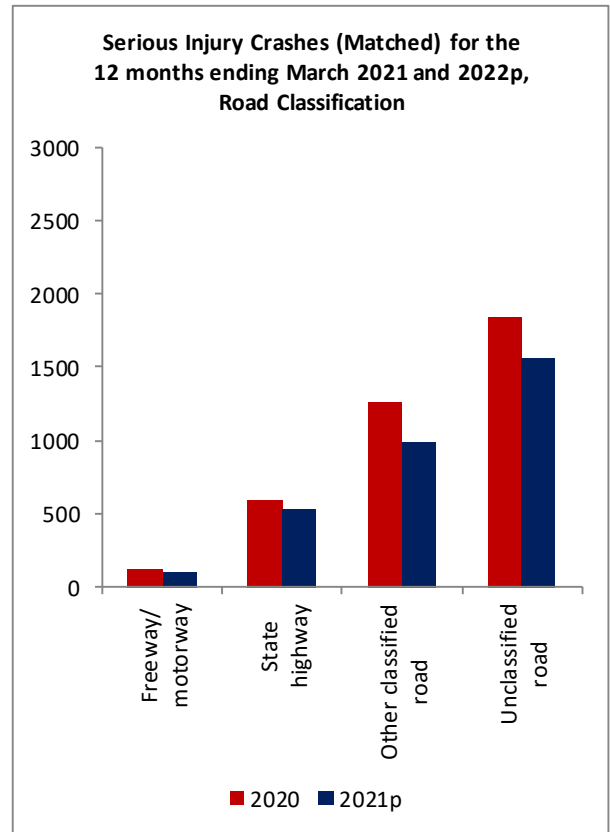
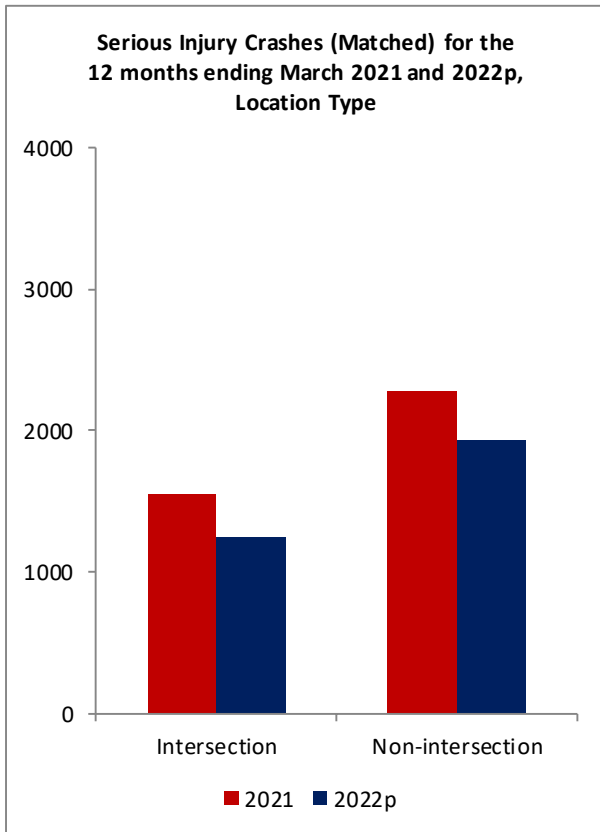


## 4.2 Serious injury crashes

	12 months ending Mar 2022p	12 months ending Mar 2021	# Change	% Change
<b>Location type</b>				
Intersection	1239	1553	-314	-20%
Non-intersection	1932	2268	-336	-15%
<b>Total<sup>^</sup></b>	<b>3172</b>	<b>3821</b>	<b>-649</b>	<b>-17%</b>
<b>Road classification</b>				
Freeway/motorway	97	121	-24	-20%
State highway	527	596	-69	-12%
Other classified road	988	1261	-273	-22%
Unclassified road	1560	1843	-283	-15%
<b>Total</b>	<b>3172</b>	<b>3821</b>	<b>-649</b>	<b>-17%</b>
<b>Type of crash (RUM)</b>				
Pedestrian	317	398	-81	-20%
Cross Traffic	216	232	-16	-7%
Other Turning Adjacent	152	219	-67	-31%
Head On (Not O'Taking)	202	221	-19	-9%
Other Turning Opposite	246	284	-38	-13%
Rear End (incl Left and Right Rear)	317	407	-90	-22%
Lane Side Swipe (incl lane change left / right)	107	124	-17	-14%
Other Turn Side Swipe	25	35	-10	-29%
Manoeuvring	168	214	-46	-21%
Overtaking	24	39	-15	-38%
On Path	94	95	-1	-1%
Off Path, on Straight	658	753	-95	-13%
Off Path, on Curve or Turning	620	771	-151	-20%
Miscellaneous / Unknown	26	29	-3	-10%
<b>Total</b>	<b>3172</b>	<b>3821</b>	<b>-649</b>	<b>-17%</b>

<sup>^</sup>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	<b>Year</b>					
	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	889	0	0	0	889	
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	1238	0	0	0	1238	
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	2127	0	0	0	2127	