



Transport
for NSW

Quarterly Bulletin of Serious Injury Crash Data

Quarter ending December 2024

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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.
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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 –

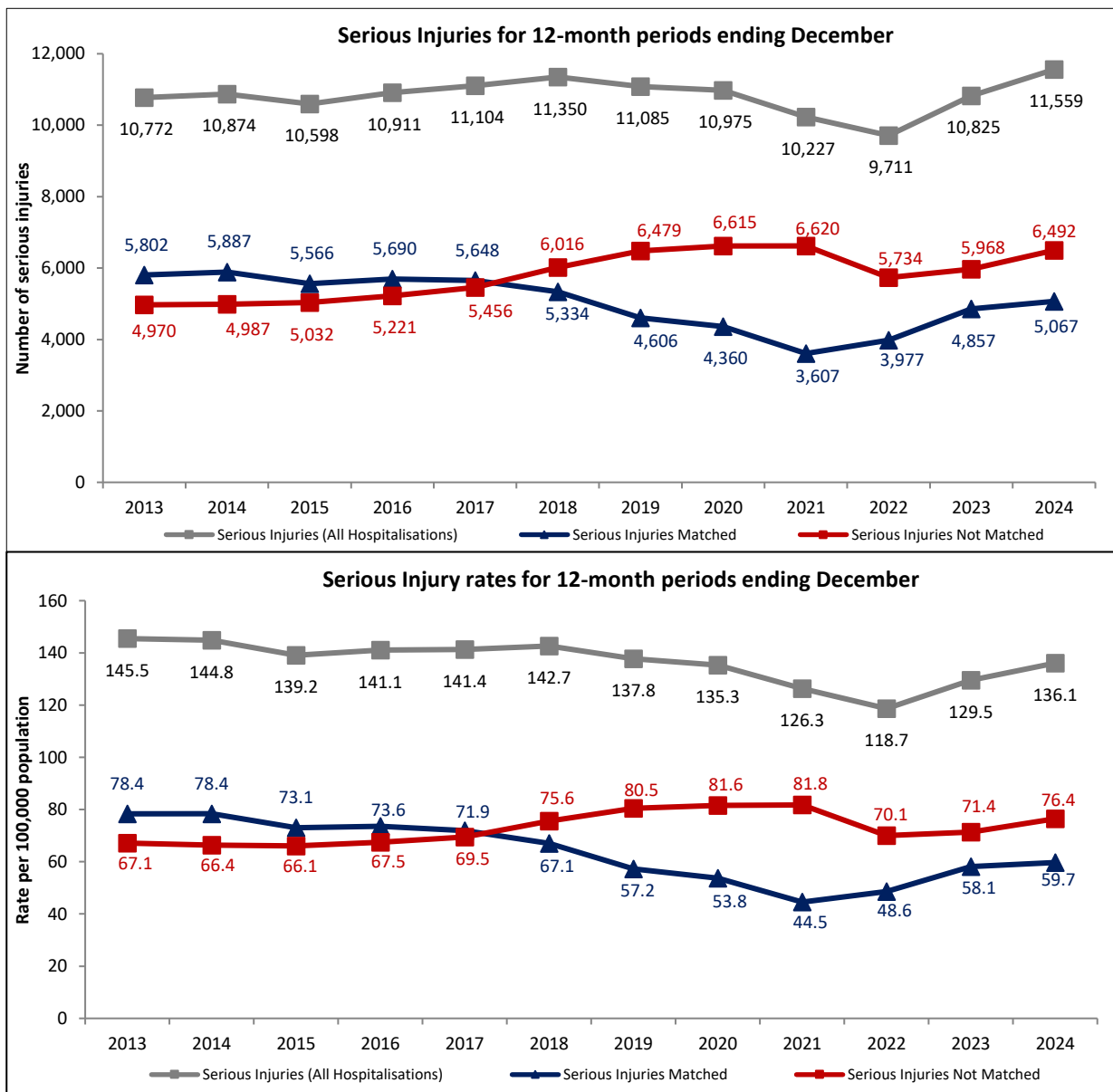
- NSW Population & Health Services Research Ethics Committee approved on 19th March 2013.
- Aboriginal Health & Medical Research Council Ethics Committee approved on 24th January 2014.
- Calvary Public Hospital Bruce Human Research Ethics Committee approved on 20th March 2017.
- ACT Health Human Research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

2 Serious Injury Trends

There were 2,960 serious injuries (all hospitalisations) for the December 2024 quarter, 236 (8 per cent) higher than the December 2023 quarter. Over the 12-month period ending December 2024 there were 11,559 serious injuries (all hospitalisations), 734 more than the 12-month period ending December 2023. The serious injury rate for the 12-months ending December 2024 was 136.1 per 100,000 population.

Serious injury numbers and rates for 12-month period ending December 2024

	Number	Rate per 100,000 population ¹
Serious injuries (all hospitalisations)	11,559	136.1
Serious injuries (matched) ²	5,067	59.7
Serious injuries (not matched) ³	6,492	76.4



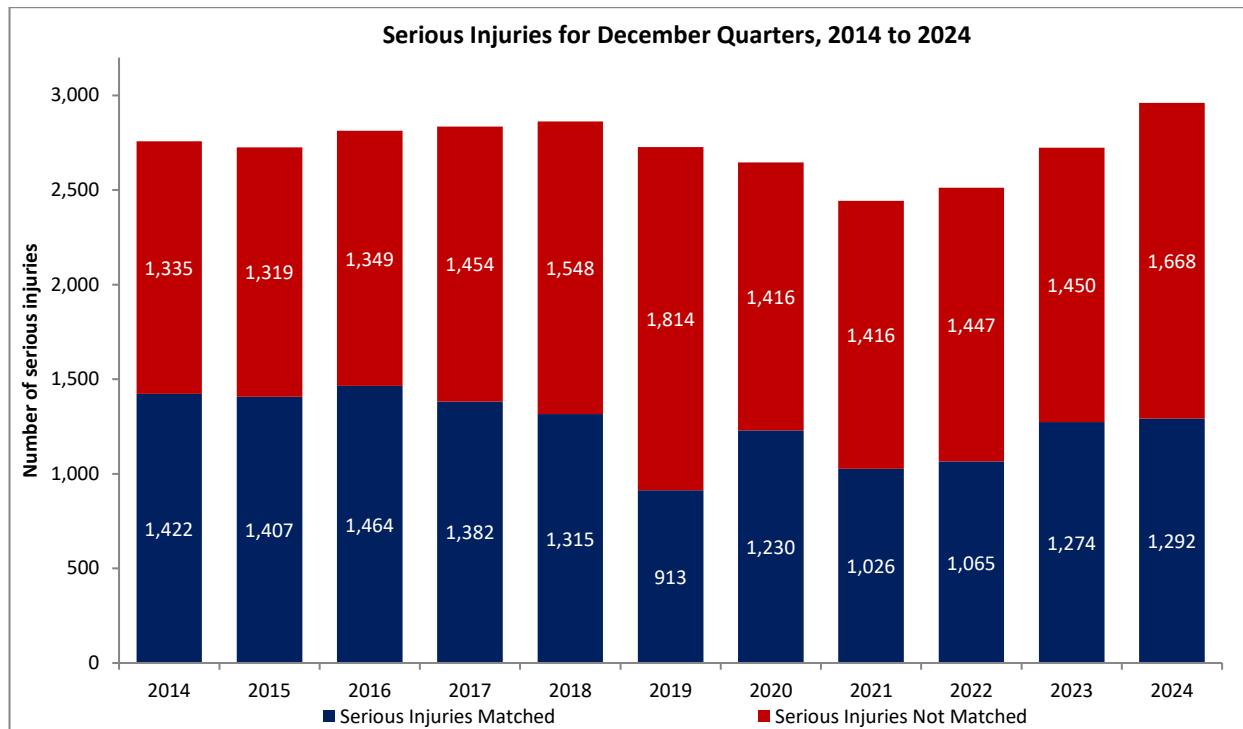
¹ Based on preliminary estimated population data.

² Serious injuries matched to a police crash report.

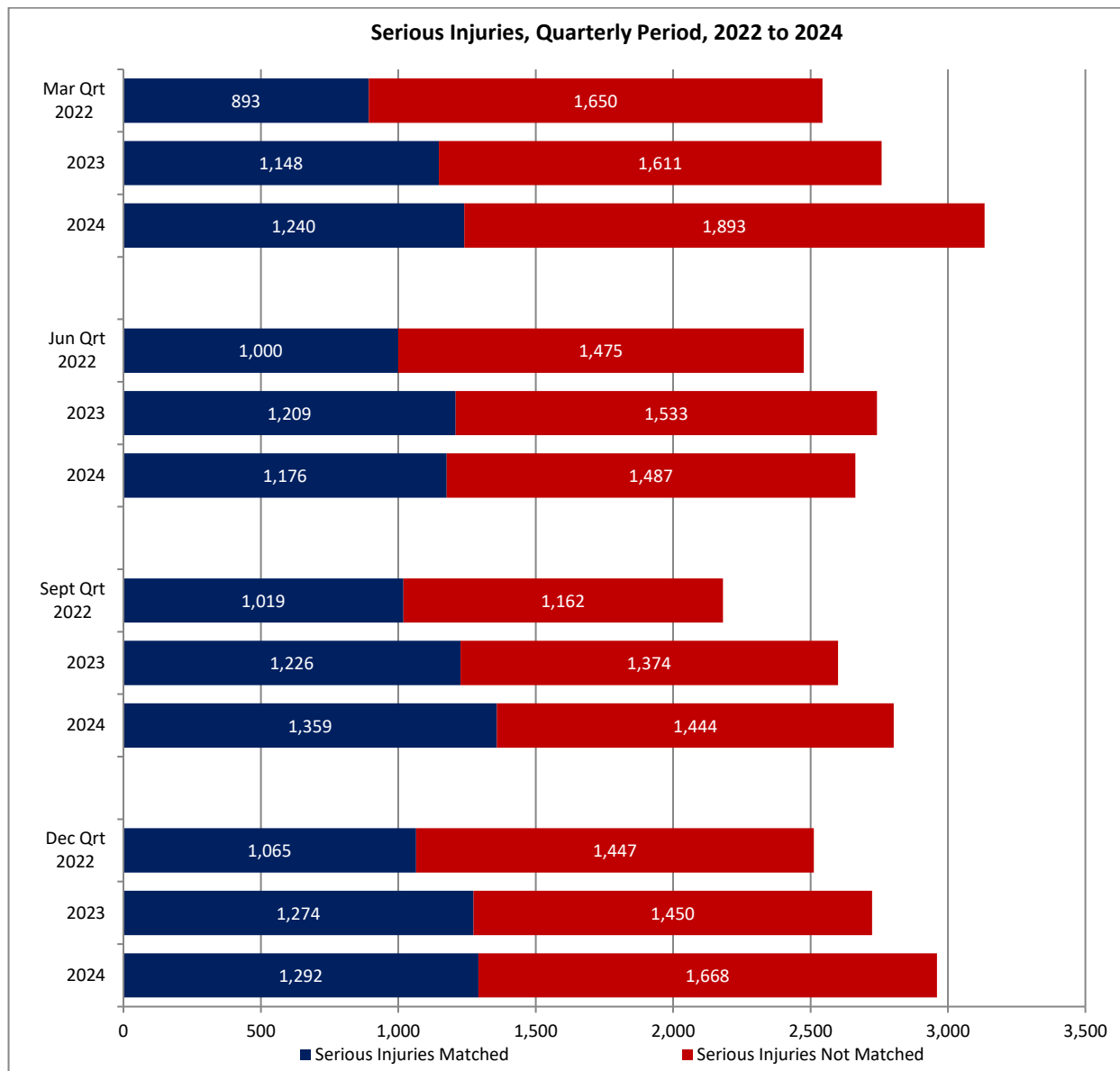
³ Serious injuries not matched to a police crash report.

3 Quarterly Comparison

3.1 NSW serious injuries for December Quarter: 2014 to 2024



3.2 NSW Serious Injuries: Quarterly comparison, 2022 to 2024

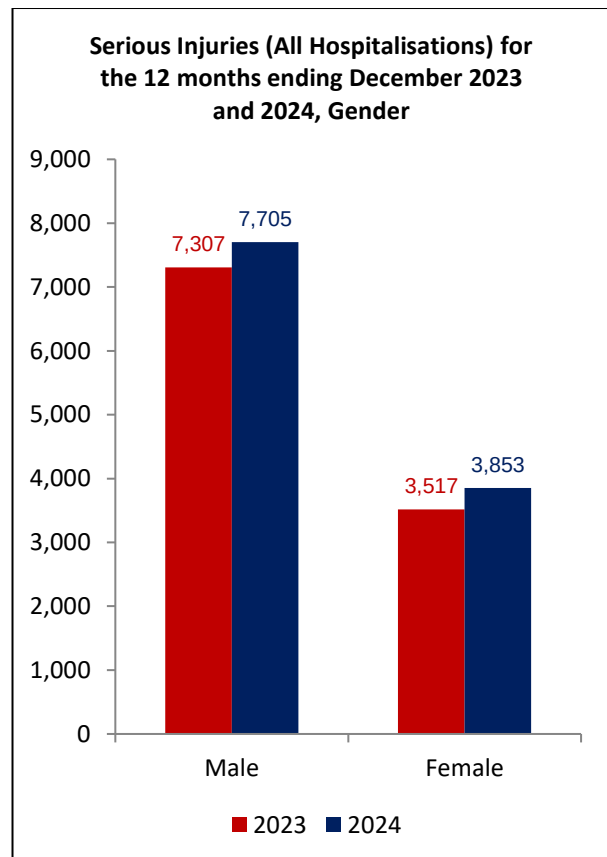
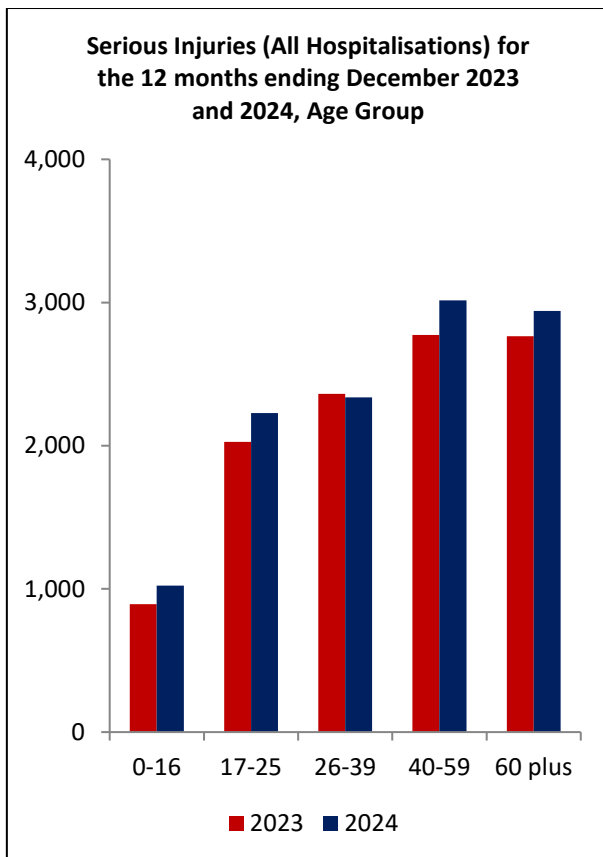
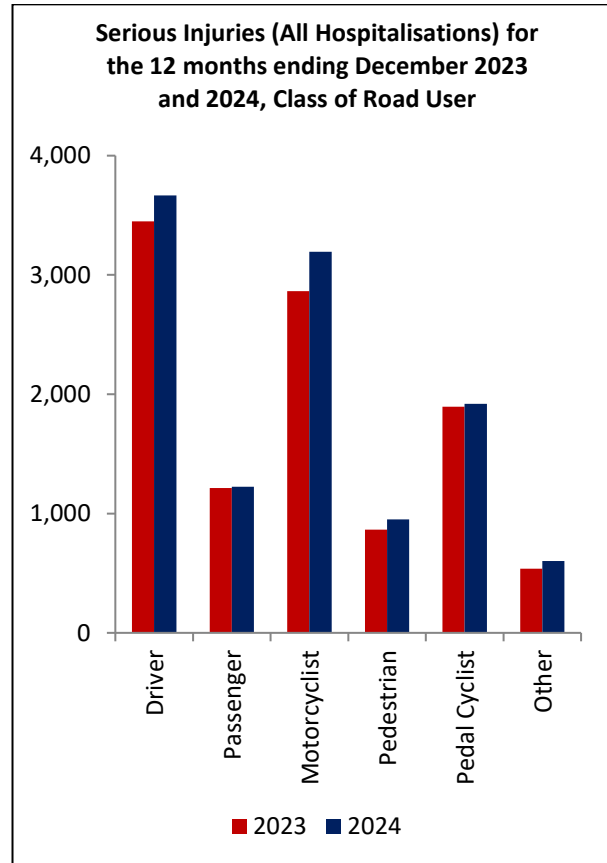
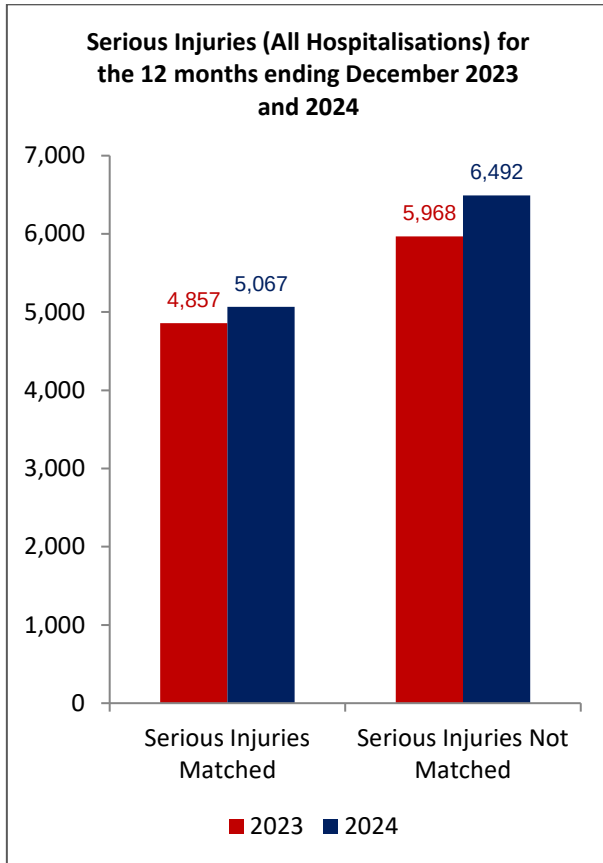


4 Rolling 12 Month Statistics

4.1 Serious injuries

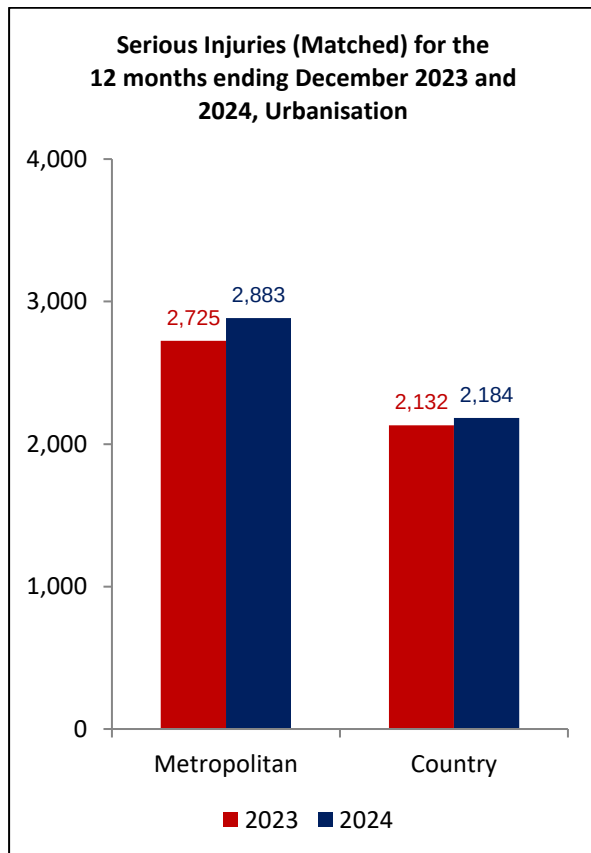
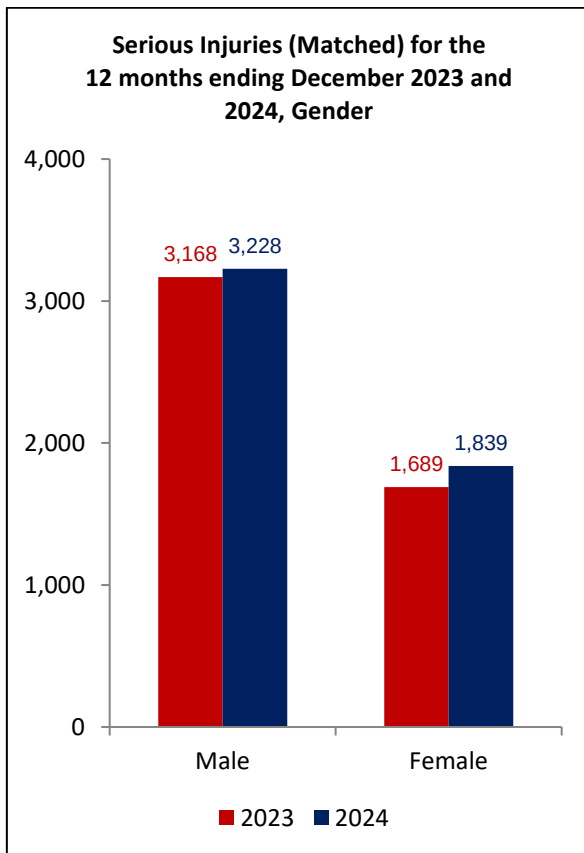
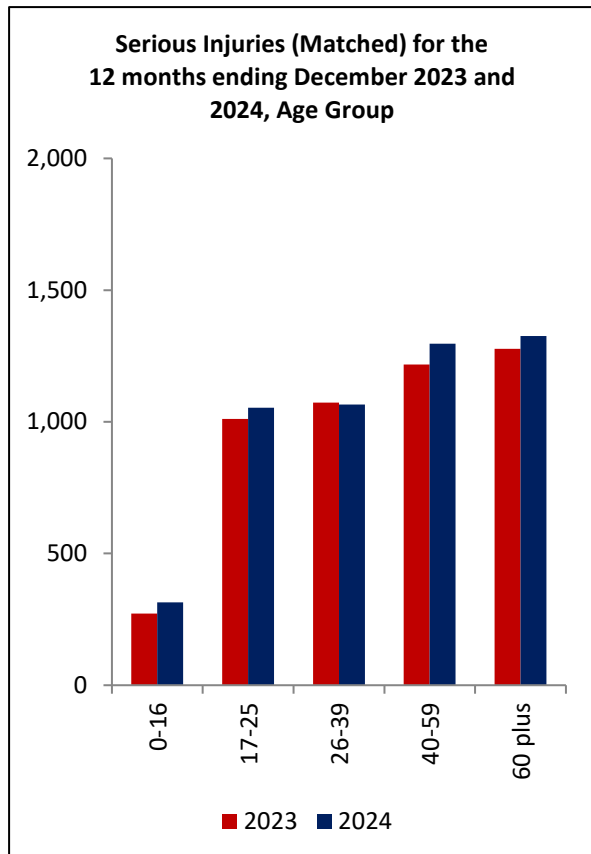
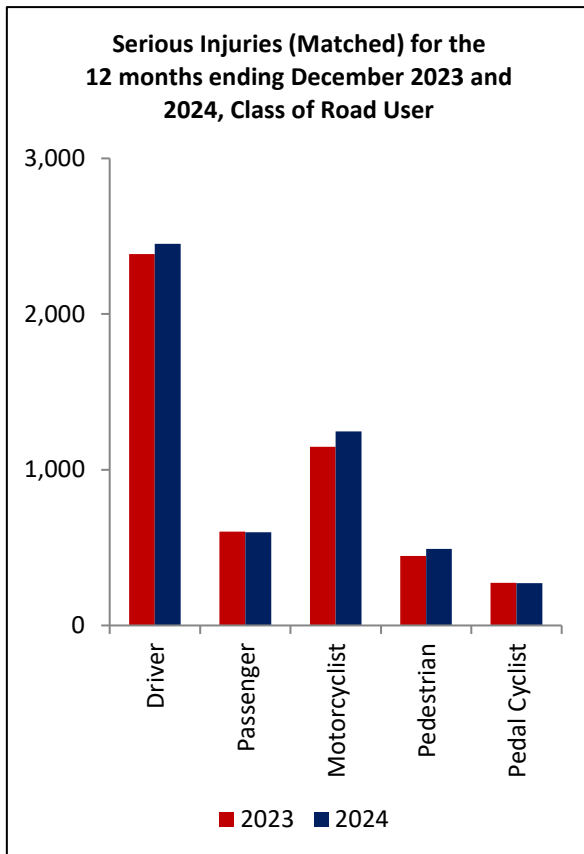
Overall	12 months ending Dec 2024	12 months ending Dec 2023	# Change	% Change
Serious Injuries Matched	5,067	4,857	210	4%
Serious Injuries Not Matched	6,492	5,968	524	9%
All Hospitalisations	11,559	10,825	734	7%

Serious Injuries (All Hospitalisations)	12 months ending Dec 2024	12 months ending Dec 2023	# Change	% Change
Road User Group				
Driver	3,666	3,448	218	6%
Passenger	1,224	1,215	9	1%
Motorcyclist	3,194	2,864	330	12%
Pedestrian	952	866	86	10%
Pedal Cyclist	1,921	1,895	26	1%
Other	602	537	65	12%
Total	11,559	10,825	734	7%
Age Group				
0-4	79	80	-1	-1%
5-16	944	813	131	16%
17-20	1,134	985	149	15%
21-25	1,095	1,041	54	5%
26-29	787	714	73	10%
30-39	1,550	1,648	-98	-6%
40-49	1,453	1,356	97	7%
50-59	1,562	1,417	145	10%
60-69	1,294	1,247	47	4%
70-79	961	927	34	4%
80+	687	590	97	16%
Unknown	13	7	6	86%
Total	11,559	10,825	734	7%
Gender				
Male	7,705	7,307	398	5%
Female	3,853	3,517	336	10%
Unknown	1	1	0	n/a
Total	11,559	10,825	734	7%

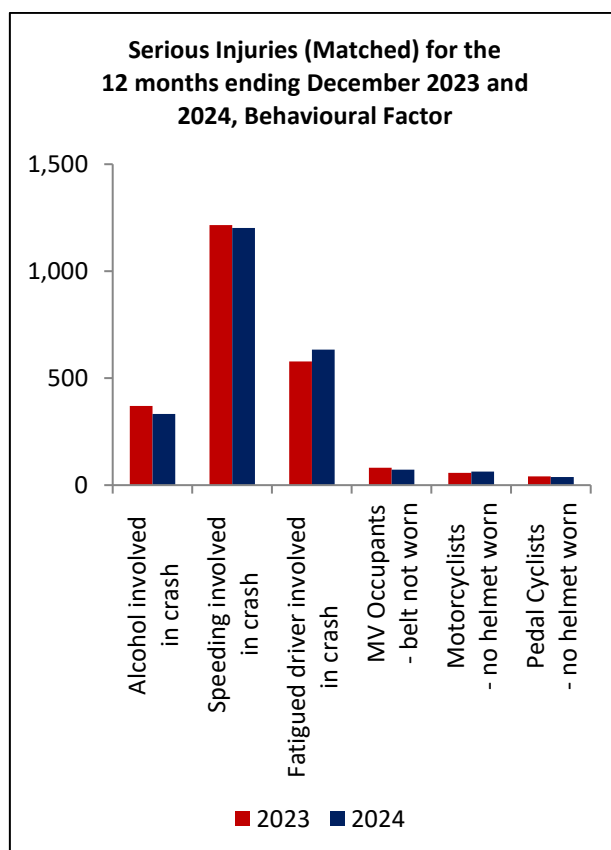
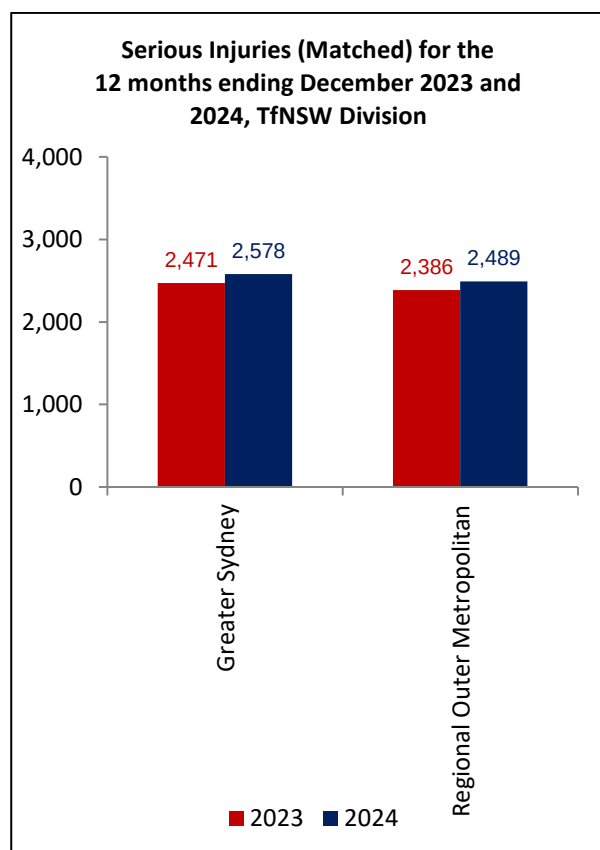


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Serious Injuries (Matched)	12 months ending Dec 2024	12 months ending Dec 2023	# Change	% Change
Road User Group				
Driver	2,451	2,385	66	3%
Passenger	598	603	-5	-1%
Motorcyclist	1,247	1,147	100	9%
Pedestrian	492	446	46	10%
Pedal Cyclist	271	273	-2	-1%
Other Road User	8	3	5	167%
Total	5,067	4,857	210	4%
Age Group				
0-4	31	20	11	55%
5-16	283	252	31	12%
17-20	553	503	50	10%
21-25	501	508	-7	-1%
26-29	349	330	19	6%
30-39	717	743	-26	-3%
40-49	635	597	38	6%
50-59	662	620	42	7%
60-69	550	546	4	1%
70-79	456	449	7	2%
80+	320	282	38	13%
Unknown	10	7	3	43%
Total	5,067	4,857	210	4%
Gender				
Male	3,228	3,168	60	2%
Female	1,839	1,689	150	9%
Unknown	0	0	0	n/a
Total	5,067	4,857	210	4%
Urbanisation				
Metropolitan	2,883	2,725	158	6%
Country	2,184	2,132	52	2%
Total	5,067	4,857	210	4%



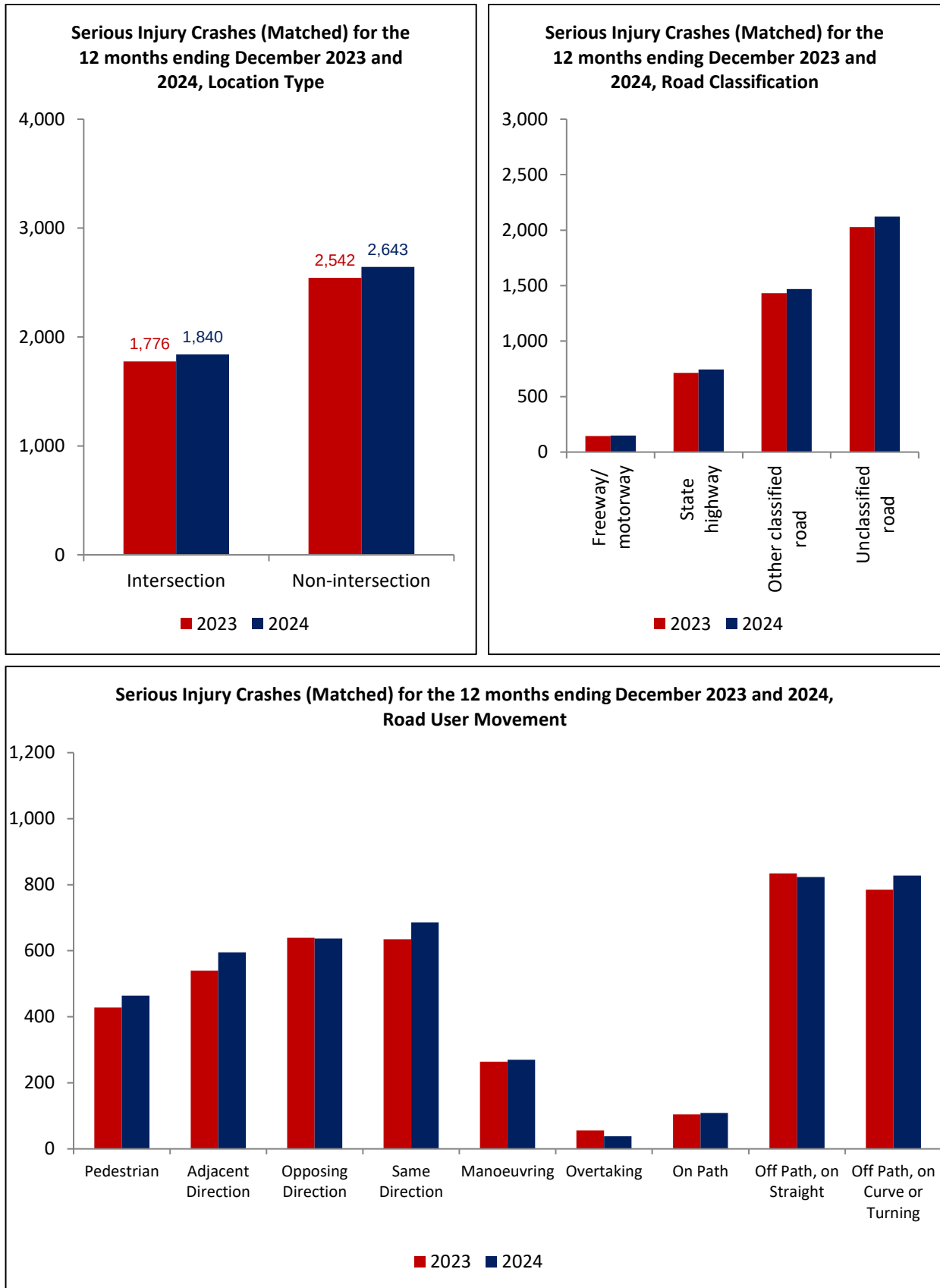
Serious Injuries (Matched) cont....	12 months ending Dec 2024	12 months ending Dec 2023	# Change	% Change
TfNSW Division				
Greater Sydney	2,578	2,471	107	4%
Regional Outer Metropolitan	2,489	2,386	103	4%
North	1,455	1,327	128	10%
South	604	596	8	1%
West	392	343	49	14%
Total	5,049	4,648	401	9%
Behaviour Factors				
Alcohol involved in crash	332	370	-38	-10%
Speeding involved in crash	1,202	1,215	-13	-1%
Fatigue involved in crash	634	578	56	10%
Safety Device Usage				
Motorcyclists - no helmet worn	63	58	5	9%
Pedal Cyclists - no helmet worn	38	41	-3	-7%
Motor Vehicle Occupants - belt not worn	72	82	-10	-12%
Driver - belt not worn^	43	47	-4	-9%
Passenger - belt not worn^	29	35	-6	-17%



4.2 Serious injury crashes

Serious Injury Crashes (Matched)	12 months ending Dec 2024	12 months ending Dec 2023	# Change	% Change
Location type				
Intersection	1,840	1,776	64	4%
Non-intersection	2,643	2,542	101	4%
Total[^]	4,483	4,318	165	4%
Road classification				
Freeway/motorway	148	144	4	3%
State highway	744	713	31	4%
Other classified road	1,470	1,433	37	3%
Unclassified road	2,122	2,028	94	5%
Total	4,484	4,318	166	4%
Type of crash (RUM)				
Pedestrian	464	428	36	8%
Cross Traffic	322	287	35	12%
Other Turning Adjacent	273	253	20	8%
Head On (Not O'Taking)	287	286	1	0%
Other Turning Opposite	350	353	-3	-1%
Rear End (incl Left and Right Rear)	474	456	18	4%
Lane Side Swipe (incl lane change L+R)	158	131	27	21%
Other Turn Side Swipe	54	48	6	13%
Manoeuvring	270	264	6	2%
Overtaking	38	56	-18	-32%
On Path	109	104	5	5%
Off Path, on Straight	823	834	-11	-1%
Off Path, on Curve or Turning	828	785	43	5%
Miscellaneous / Unknown	34	33	1	3%
Total	4,484	4,318	166	4%

[^]Total includes unknowns



5 Annual Statistics

5.1 Serious injuries

	Year	Quarter				Total
		Q1	Q2	Q3	Q4	
Serious Injuries Matched	2005	1,038	1,226	1,215	1,284	4,763
	2006	1,272	1,246	1,235	1,256	5,009
	2007	1,290	1,263	1,208	1,192	4,953
	2008	1,148	1,219	1,202	1,286	4,855
	2009	1,218	1,226	1,166	1,294	4,904
	2010	1,151	1,220	1,122	1,179	4,672
	2011	1,250	1,213	1,278	1,358	5,099
	2012	1,329	1,364	1,326	1,392	5,411
	2013	1,309	1,375	1,514	1,604	5,802
	2014	1,531	1,518	1,416	1,422	5,887
	2015	1,416	1,386	1,357	1,407	5,566
	2016	1,405	1,479	1,342	1,464	5,690
	2017	1,386	1,434	1,446	1,382	5,648
	2018	1,374	1,373	1,272	1,315	5,334
	2019	1,283	1,351	1,059	913	4,606
	2020	1,119	904	1,107	1,230	4,360
	2021	1,013	958	610	1,026	3,607
	2022	893	1,000	1,019	1,065	3,977
	2023	1,148	1,209	1,226	1,274	4,857
	2024	1,240	1,176	1,359	1,292	5,067
Serious Injuries Not Matched	2005	1,197	974	897	1,038	4,106
	2006	1,113	1,065	1,041	1,137	4,356
	2007	1,215	1,147	1,044	1,078	4,484
	2008	1,171	1,105	973	1,166	4,415
	2009	1,148	1,005	1,098	1,130	4,381
	2010	1,149	1,101	925	1,146	4,321
	2011	1,156	985	942	1,096	4,179
	2012	1,153	1,042	1,054	1,269	4,518
	2013	1,212	1,158	1,196	1,404	4,970
	2014	1,378	1,132	1,142	1,335	4,987
	2015	1,381	1,204	1,128	1,319	5,032
	2016	1,447	1,242	1,183	1,349	5,221
	2017	1,376	1,285	1,341	1,454	5,456
	2018	1,488	1,412	1,568	1,548	6,016
	2019	1,597	1,569	1,499	1,814	6,479
	2020	1,599	1,545	2,055	1,416	6,615
	2021	2,003	1,951	1,250	1,416	6,620
	2022	1,650	1,475	1,162	1,447	5,734
	2023	1,611	1,533	1,374	1,450	5,968
	2024	1,893	1,487	1,444	1,668	6,492
All Hospitalisations	2005	2,235	2,200	2,112	2,322	8,869
	2006	2,385	2,311	2,276	2,393	9,365
	2007	2,505	2,410	2,252	2,270	9,437
	2008	2,319	2,324	2,175	2,452	9,270
	2009	2,366	2,231	2,264	2,424	9,285
	2010	2,300	2,321	2,047	2,325	8,993
	2011	2,406	2,198	2,220	2,454	9,278
	2012	2,482	2,406	2,380	2,661	9,929
	2013	2,521	2,533	2,710	3,008	10,772
	2014	2,909	2,650	2,558	2,757	10,874
	2015	2,797	2,590	2,485	2,726	10,598
	2016	2,852	2,721	2,525	2,813	10,911
	2017	2,762	2,719	2,787	2,836	11,104
	2018	2,862	2,785	2,840	2,863	11,350
	2019	2,880	2,920	2,558	2,727	11,085
	2020	2,718	2,449	3,162	2,646	10,975
	2021	3,016	2,909	1,860	2,442	10,227
	2022	2,543	2,475	2,181	2,512	9,711
	2023	2,759	2,742	2,600	2,724	10,825
	2024	3,133	2,663	2,803	2,960	11,559