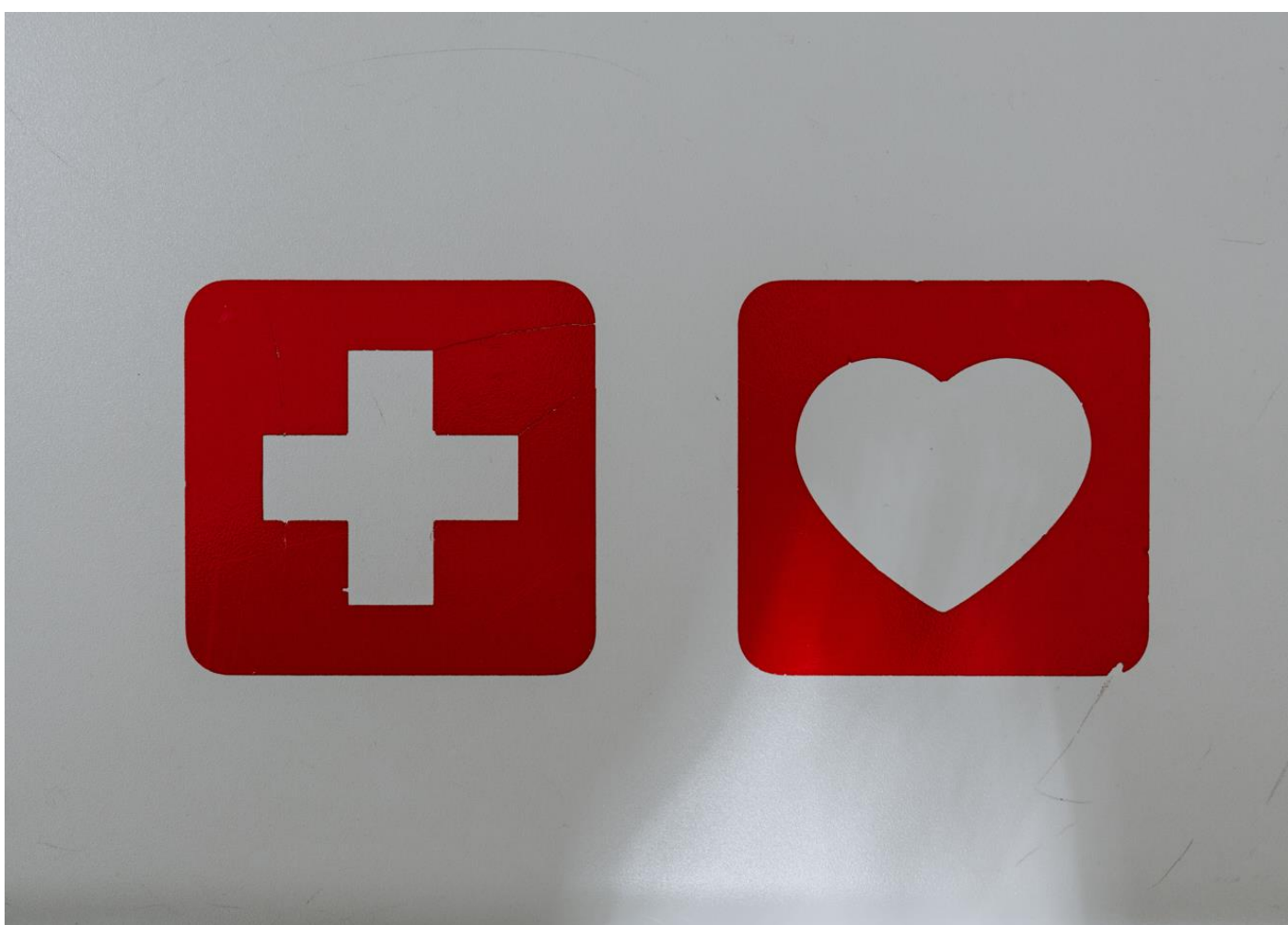


Oxfordshire County Council Road Traffic Collisions: Casualty Data Summary 2021



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A – Introductory Message.

This document provides information on the number and nature of casualties sustained as a result of road traffic collisions reported on Oxfordshire's roads during the last 19 years - including the latest 2021 data, for which comparative national data from the Department for Transport (DfT) is available.

This information is compiled from reports submitted by the police for each road traffic collision resulting in a personal injury that they attend (together with the relatively small number of collisions which are not attended by the police, but which are reported by members of the public at a police station). In practice, it is known from various national studies using information from insurers and the NHS that quite a large number of injury collisions – especially those involving a single road-user and resulting in only minor injuries – are not reported to the police. It is therefore acknowledged that the actual number of collisions and injuries on our roads is considerably higher than those analysed here.

However, as the proportion of collisions included in the police reports appears to be reasonably stable, and a very similar picture is found in other areas outside the county, the information nevertheless allows trends in road safety to be assessed with a good level of confidence.

While thankfully there has over the longer term been a downward trend in reported collisions and injuries, reflecting a very wide range of factors (including road improvement schemes, improved vehicle safety, and national and local measures to improve the training & skills of road users and their compliance with traffic laws), the number of road deaths and higher severity injuries does not show a similar reduction. Recognising their very high human costs, Oxfordshire County Council in June 2022 adopted its **'Vision Zero'** commitment to eliminate all fatalities and severe injuries on Oxfordshire's roads and streets by 2050 and to have a safer, healthier, and more equitable mobility for all, and to achieve this, committed to work closely with partners and stakeholders to take a whole system approach, working together on infrastructure, behaviour, technology and legislation to achieve this change.

Traffic & Road Safety Team
Oxfordshire County Council

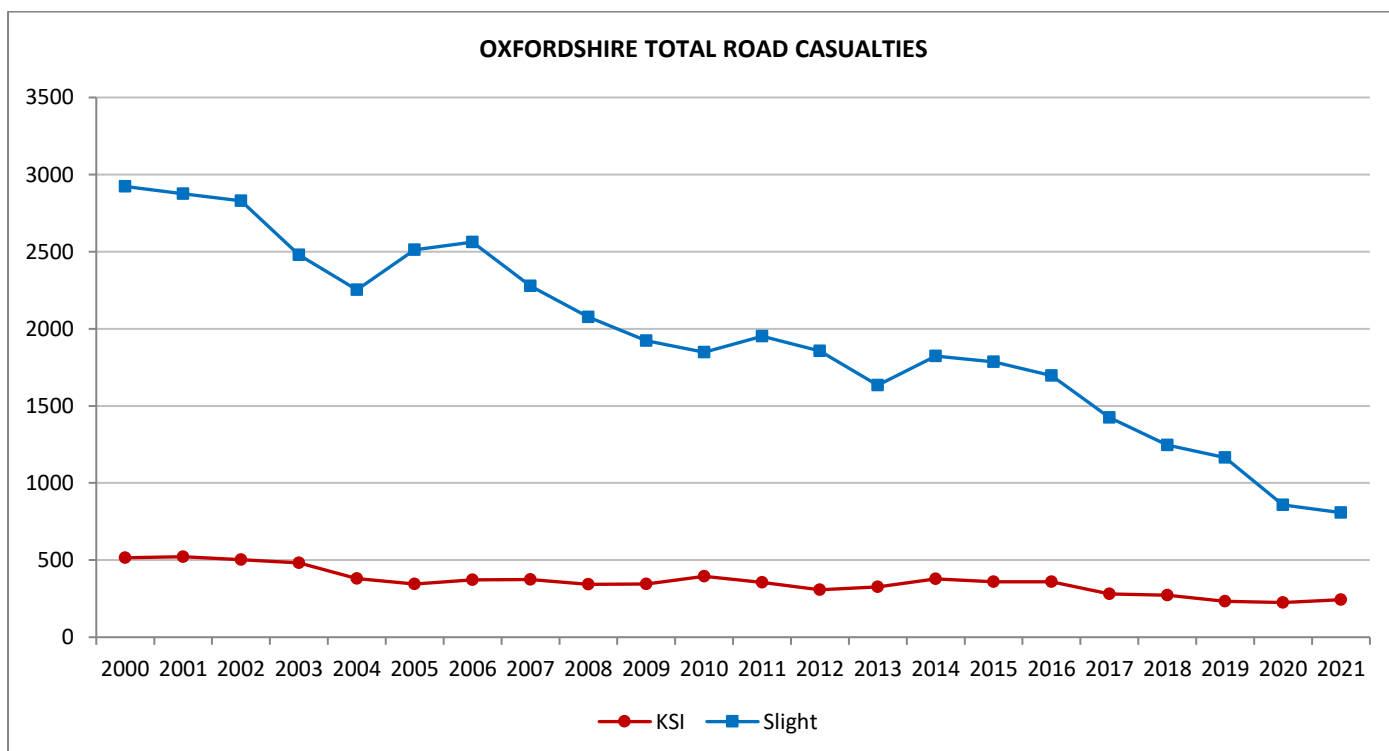
1 - Headline Data.

The statistics on road-accident casualties included in this report are obtained from the reports submitted by Thames Valley Police as part of the national reporting system for road accidents and casualties.

Table 1.1. **Total** casualties by year 2000 to 2021.

Year	Fatal	Serious	KSI	Slight	Total	% Yearly change
00-04 avrg	49	432	481	2672	3153	-
2005	40	306	346	2513	2859	-9.3
2006	68	304	372	2563	2935	2.7
2007	34	340	374	2278	2652	-9.6
2008	42	301	343	2076	2419	-8.8
2009	30	315	345	1923	2268	-6.2
2010	41	354	395	1848	2243	-1.1
2011	26	329	355	1951	2306	2.8
2012	28	279	307	1857	2164	-6.2
2013	19	308	327	1637	1964	-9.2
2014	26	352	378	1823	2201	12.1
2015	25	334	359	1785	2144	-2.6
2016	32	327	359	1697	2056	-4.1
2017	22	259	281	1424	1705	-17.1
2018	31	242	273	1246	1519	-10.9
2019	23	210	233	1165	1398	-8.0
2020	34	191	225	857	1082	-22.6
2021	18	225	243	808	1051	-2.9

Chart 1.1. **Total** casualties by year 2000 to 2021.



'Fatal' casualties are defined as those where death occurs at or within 30 days of the accident, whilst 'serious' casualties include those requiring in-patient treatment and injuries such as bone fractures, severe internal injuries and severe cuts (i.e. requiring stitches) and injuries resulting in death more than 30 days following the initial accident.

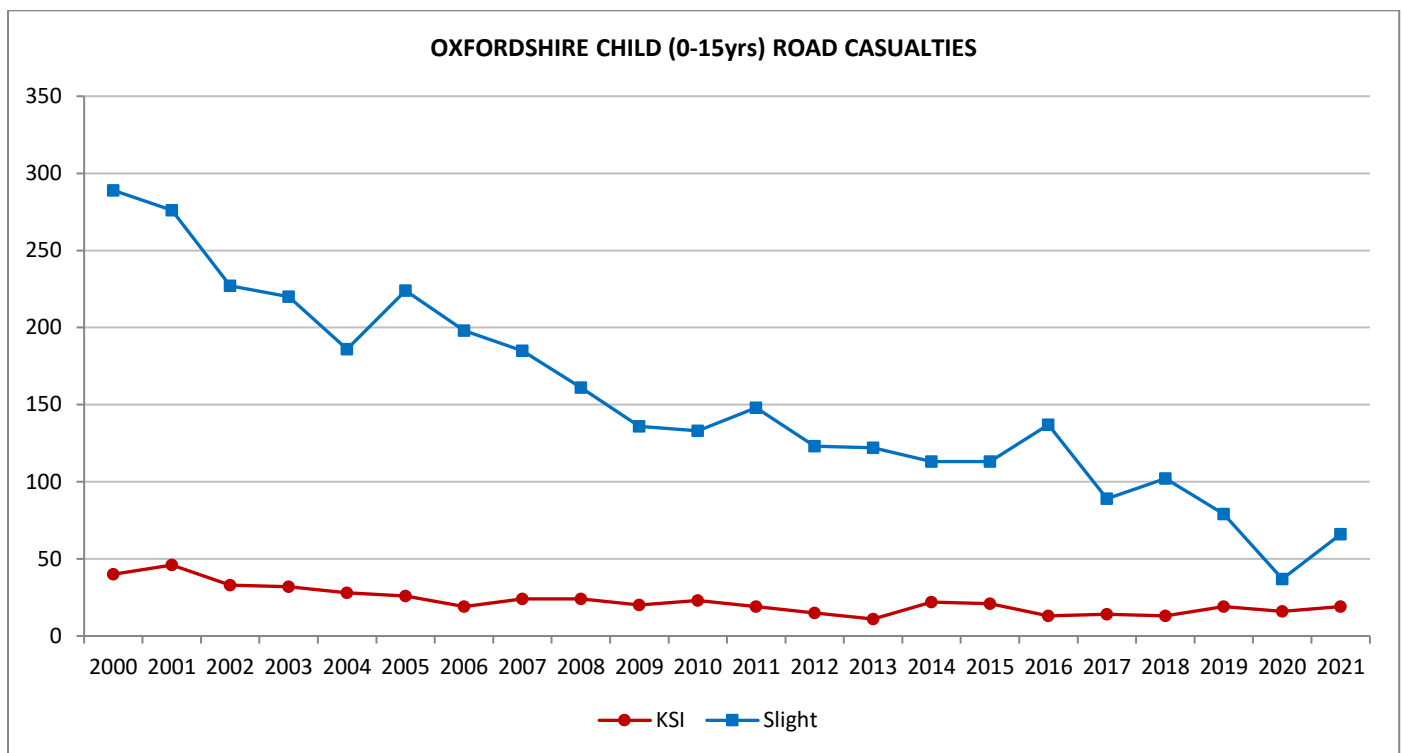
'Slight' injuries include sprains, neck whiplash injury (not necessarily requiring medical treatment), bruises and slight shock requiring roadside attention.

The term "KSI" stands for "Killed or Seriously Injured", and is used to highlight the higher severity casualties.

'Child' casualties include those injured who are aged between 0 and 15, whilst 'adult' casualties include those who are aged 16 and above and also those where no age was assigned in the police report.

Table 1.2. **Child** casualties by year 2000 to 2021.

Year	Fatal	Serious	KSI	Slight	Total	% Yearly change
00-04 avrg	3	33	36	240	275	-
2005	6	20	26	224	250	16.8
2006	2	17	19	198	217	-13.2
2007	3	21	24	185	209	-3.7
2008	1	23	24	161	185	-11.5
2009	1	19	20	136	156	-15.7
2010	1	22	23	133	156	0.0
2011	0	19	19	148	167	7.1
2012	0	15	15	123	138	-17.4
2013	1	10	11	122	133	-3.6
2014	3	19	22	113	135	1.5
2015	0	21	21	113	134	-0.7
2016	1	12	13	137	150	11.9
2017	0	14	14	89	103	-31.3
2018	0	13	13	102	115	11.7
2019	0	19	19	79	98	-14.8
2020	4	12	16	37	53	-45.9
2021	0	19	19	66	85	60.4

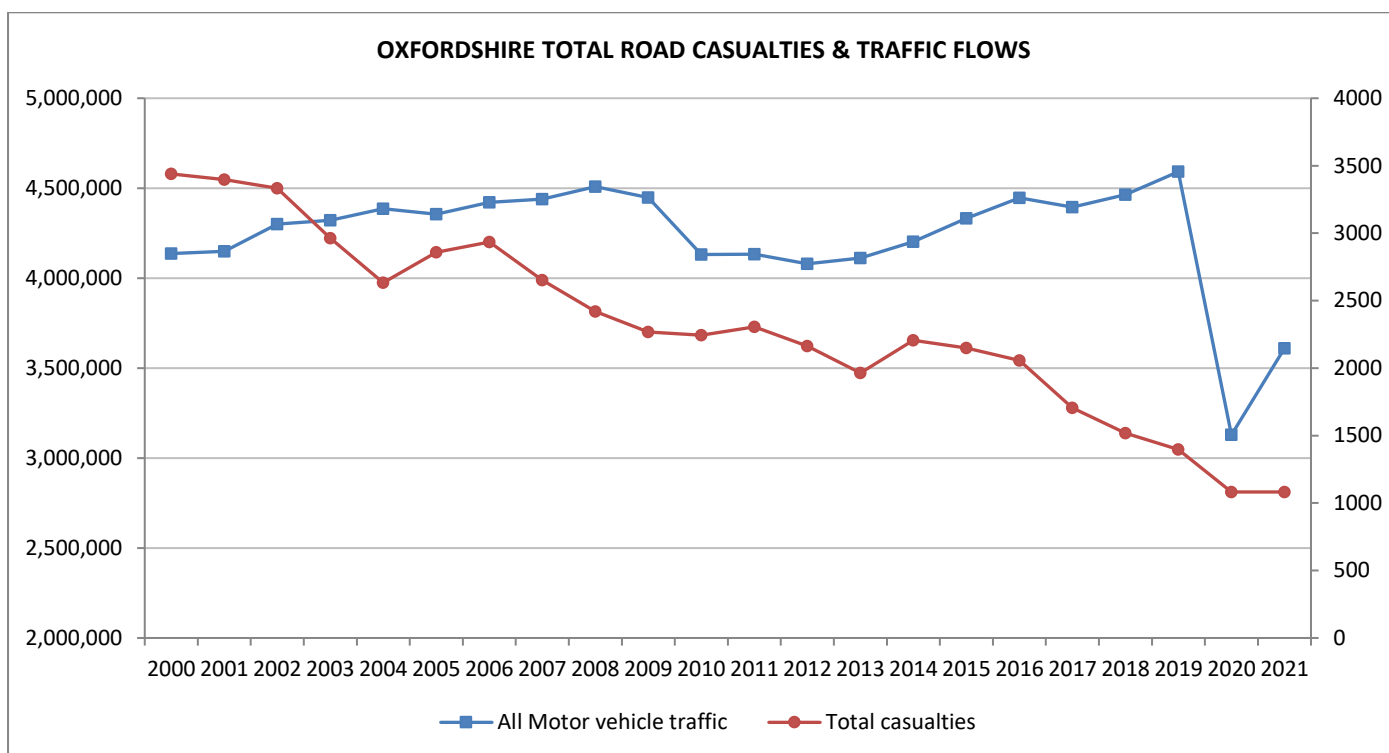
Chart 1.2. **Child** casualties by year 2000 to 2021.Table 1.3. **Total** casualties by road user group 2021.

All casualties	Fatal	Serious	KSI	Slight	Total	% of total
Pedestrian	1	30	31	60	91	8.7
Pedal cycle	4	48	52	182	234	22.3
Two-wheel motor veh	2	54	56	78	134	12.7
Car driver	10	55	65	320	385	36.6
Car passenger	1	24	25	108	133	12.7
Bus occupant	0	0	0	4	4	0.4
Goods veh occupant	0	12	12	45	57	5.4
Other	0	2	2	11	13	1.2
Total	18	225	243	808	1051	100

Table 1.4. **Child** casualties by road user group 2021.

Child casualties	Fatal	Serious	KSI	Slight	Total	% of total
Pedestrian	0	6	6	20	26	30.6
Pedal cycle	0	7	7	22	29	34.1
Two-wheel motor veh	0	0	0	0	0	0
Car passenger	0	6	6	24	30	35.3
Bus occupant	0	0	0	0	0	0
Goods veh occupant	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	0	19	19	66	85	100

Chart 1.3. **Total** casualties and Traffic flow (Average annual daily flow*) by year 2000 to 2021.



Traffic – Annual volume of traffic

- Traffic figures give the total volume of traffic on the stretch of road for the whole year, and are calculated by multiplying the AADF* by the corresponding length of road and by the number of days in the year (i.e. one vehicle travelling one mile each day for a year would equal 365 vehicle miles).
- Traffic figures are presented as: Units = thousand vehicle miles

* AADF - Annual average daily flow

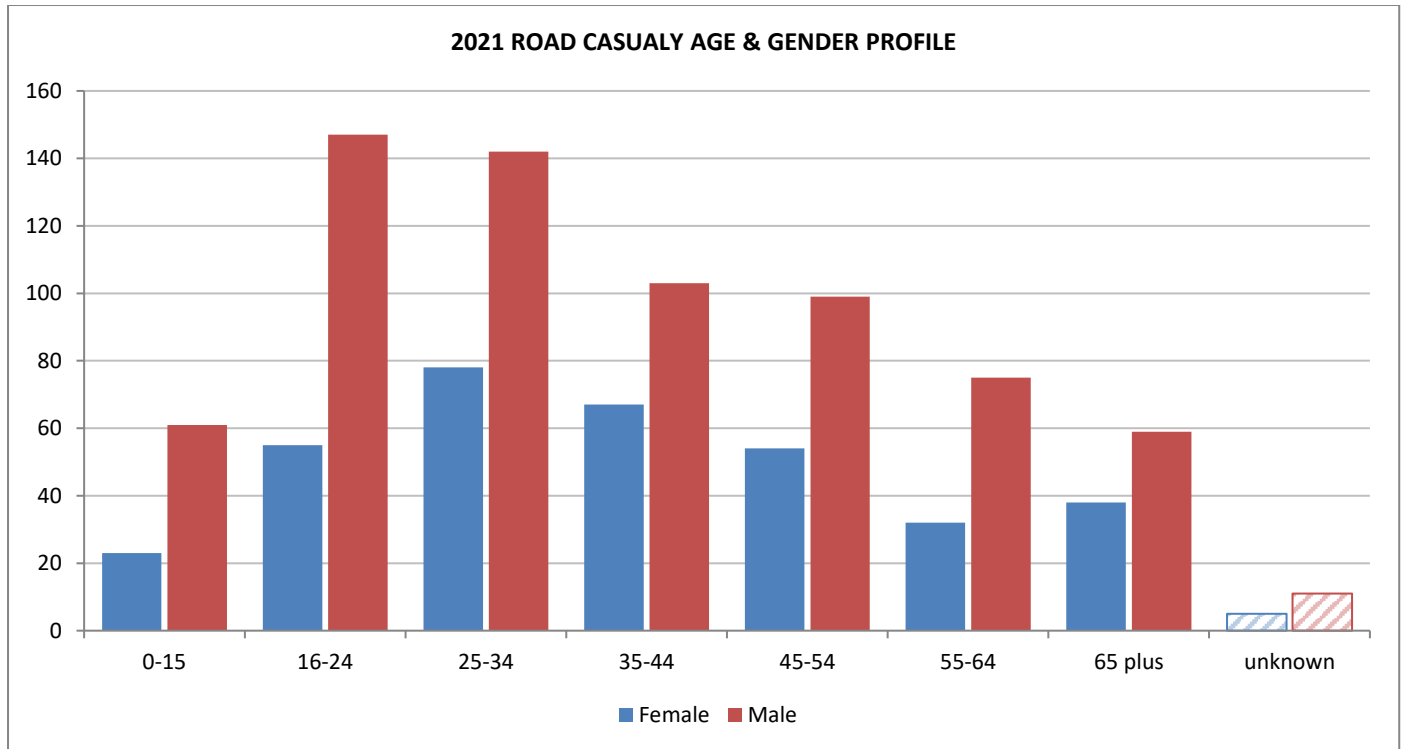
- AADF figures give the number of vehicles that will drive on that stretch of road on an average day of the year. For information on how AADFs are calculated, see the guidance on the Traffic Statistics pages at: <https://roadtraffic.dft.gov.uk>
- AADF figures are presented as: Units = vehicles per day

Table 1.5. Total casualties by age & gender 2021.

Gender	0-15	16-24	25-34	35-44	45-54	55-64	65 plus	unknown	Total	% of total
Female	23	55	78	67	54	32	38	5	352	33.6
Male	61	147	142	103	99	75	59	11	697	66.4
Total	84	202	220	170	153	107	97	16	1049*	100

* two casualties had un-known genders.

Chart 1.4. Total casualties by age & gender 2021.



2 - National & Comparative Data.

Each local authority is unique, in that not only are its social and physical characteristics different to other authorities, but its traditions, organisation and working practices are distinctive too. The Chartered Institute of Public Finance & Accountancy (CIPFA) developed the 'Nearest Neighbours Model' to aid local authorities in undertaking comparative and benchmarking exercises, groups of authorities can be generated based upon a wide range of socio-economic indicators. The model adopts a scientific approach to measuring the similarity between authorities and has been used across both local and central government.

The table below lists the 13 closest County Councils compared to Oxfordshire as generated by the nearest neighbour model:

Table 2.1. CIPFA statistical neighbours.

Buckinghamshire	Cambridgeshire
Essex	Gloucestershire
Hampshire	Hertfordshire
Leicestershire	Northamptonshire
Surrey	Warwickshire
West Sussex	Wiltshire
Worcestershire	

The tables and charts found in this section use the latest available data to show and compare the number of road deaths and injuries sustained both nationally and also within Oxfordshire's statistical neighbours i.e. those authorities that have been identified as being the closest to Oxfordshire in their socioeconomic characteristics.

Table 2.2. National & statistical neighbour casualty comparison (numbers) 2021.

District	Population (mid 2019)	Total Casualties	Slight Casualties	KSI Casualties
Buckinghamshire	808,666	795	654	141
Cambridgeshire	852,523	1,356	1,022	334
Essex	1,832,752	3,016	2,336	680
Gloucestershire	916,202	991	665	326
Hampshire	1,844,245	2,695	2,084	611
Hertfordshire	1,184,365	2,161	1,788	373
Leicestershire	1,053,486	926	723	203
Northamptonshire	747,622	1,322	1,014	308
Oxfordshire	687,524	1,051	808	243
Surrey	1,189,934	3,175	2,500	675
Warwickshire	571,010	1,126	894	232
West Sussex	858,852	1,974	1,505	469
Wiltshire	720,060	1,096	930	166
Worcestershire	592,057	987	727	260
Great Britain	66,796,807	128,209	103,288	24,921

Table 2.3. National & statistical neighbour casualty comparison (rate per 1,000 population) 2021.

District	Population (mid 2019)	Total Casualties	Slight Casualties	KSI Casualties
Buckinghamshire	808,666	0.98	0.81	0.17
Cambridgeshire	852,523	1.59	1.20	0.39
Essex	1,832,752	1.65	1.27	0.37
Gloucestershire	916,202	1.08	0.73	0.36
Hampshire	1,844,245	1.46	1.13	0.33
Hertfordshire	1,184,365	1.82	1.51	0.31
Leicestershire	1,053,486	0.88	0.69	0.19
Northamptonshire	747,622	1.77	1.36	0.41
Oxfordshire	687,524	1.52	1.17	0.35
Surrey	1,189,934	2.67	2.10	0.57
Warwickshire	571,010	1.97	1.57	0.41
West Sussex	858,852	2.30	1.75	0.55
Wiltshire	720,060	1.52	1.29	0.23
Worcestershire	592,057	1.67	1.23	0.44
Great Britain	66,796,807	1.92	1.55	0.37

Chart 2.1. National & statistical neighbour total casualty comparison (rate per 1,000 population) 2021.

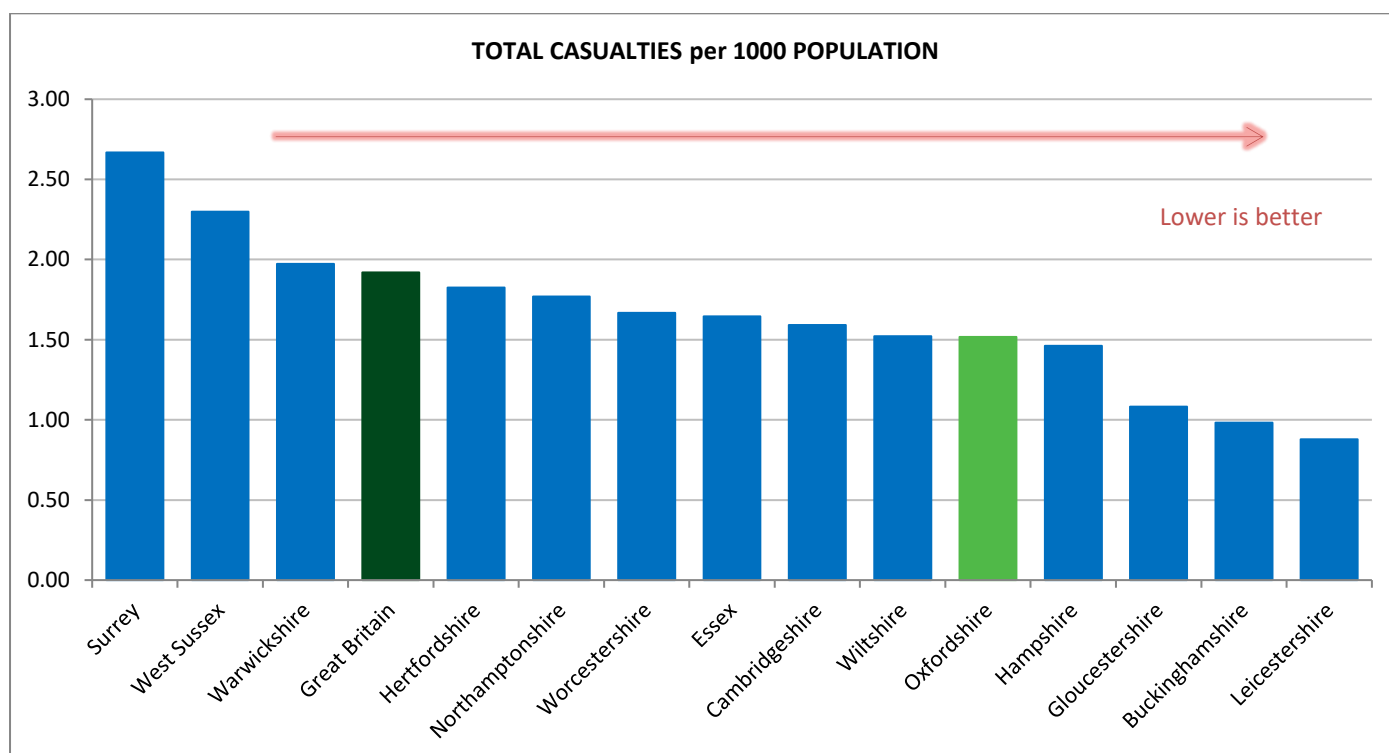


Chart 2.2 National & statistical neighbour KSI casualty comparison (rate per 1,000 population) 2021.

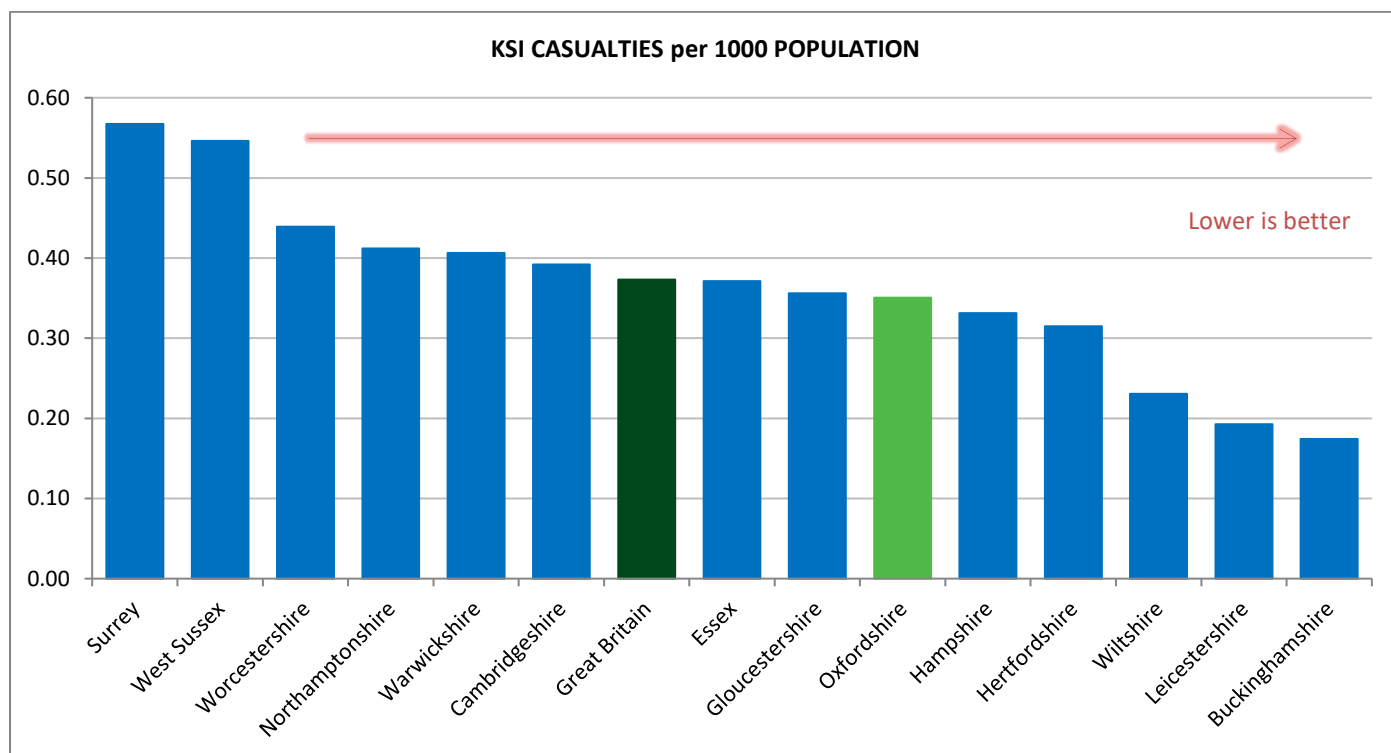


Table 2.4. National road user casualty performance 2021.

Road User	Casualty Severity	NATIONAL							Change from 10-14 avg.	Change from 2020
		10-14 avg.	2017	2018	2019	2020	2021			
Pedestrians	KSI	5679	6,038	6,210	6,200	4,251	4,958	-12.7	16.6	
	Slight	19529	17,767	16,222	15,570	10,499	11,696	-40.1	11.4	
	All casualties	25208	23,805	22,432	21,770	14,750	16,654	-33.9	12.9	
Pedal cyclists	KSI	3214	3,774	3,792	3,757	3,969	4,015	24.9	1.2	
	Slight	16029	14,547	13,758	13,127	12,325	12,443	-22.4	1.0	
	All casualties	19243	18,321	17,550	16,884	16,294	16,458	-14.5	1.0	
Motorcycle users	KSI	5389	5,923	5,821	5,570	4,405	5,162	-4.2	17.2	
	Slight	14064	12,119	10,997	10,654	9,199	10,676	-24.1	16.1	
	All casualties	19453	18,042	16,818	16,224	13,604	15,838	-18.6	16.4	
Car occupants	KSI	9053	9,545	9,960	10,354	7,884	9,312	2.9	18.1	
	Slight	111578	90,537	84,019	78,977	56,371	61,443	-44.9	9.0	
	All casualties	120631	100,082	93,979	89,331	64,255	70,755	-41.3	10.1	
All road users	KSI	24456	26,409	27,058	27,125	21,562	24,921	1.9	15.6	
	Slight	172838	144,584	133,539	126,033	94,022	103,288	-40.2	9.9	
	All casualties	197294	170,993	160,597	153,158	115,584	128,209	-35.0	10.9	
Child	KSI	2250	2,121	2,112	2,172	1,619	2,030	-9.8	25.4	
	Slight	15506	13,600	12,154	11,402	7,552	8,894	-42.6	17.8	
	All casualties	17755	15,721	14,266	13,574	9,171	10,924	-38.5	19.1	

NOTE. green shading reflects an improvement i.e. casualty numbers have fallen, whilst the use of red reflects an increase in the numbers.

Table 2.5. **Oxfordshire** road user casualty performance 2021.

Road User	Casualty Severity	OXFORDSHIRE							
		10-14 avg.	2017	2018	2019	2020	2021	Change from 10-14 avg.	Change from 2020
Pedestrians	KSI	50	37	36	32	23	31	-37.8	34.8
	Slight	125	93	108	89	68	60	-52.1	-11.8
	All casualties	175	130	144	121	91	91	-48.0	0.0
Pedal cyclists	KSI	66	61	45	45	46	52	-21.7	13.0
	Slight	231	216	210	226	163	182	-21.1	11.7
	All casualties	297	277	255	271	209	234	-21.2	12.0
Motorcycle users	KSI	78	64	51	45	47	56	-28.0	19.1
	Slight	118	105	105	86	62	78	-33.9	25.8
	All casualties	196	169	156	131	109	134	-31.6	22.9
Car occupants	KSI	139	107	127	94	89	90	-35.3	1.1
	Slight	1,192	894	723	668	499	428	-64.1	-14.2
	All casualties	1,331	1,001	850	762	588	518	-61.1	-11.9
All road users	KSI	352	281	273	233	225	243	-31.0	8.0
	Slight	1,823	1,424	1,246	1,165	857	808	-55.7	-5.7
	All casualties	2,176	1,705	1,519	1,398	1,082	1,051	-51.7	-2.9
Child	KSI	18	14	13	19	16	19	5.6	18.8
	Slight	128	89	102	79	37	66	-48.4	78.4
	All casualties	146	103	115	98	53	85	-41.7	60.4

NOTE. green shading reflects an improvement i.e. casualty numbers have fallen, whilst the use of red reflects an increase in the numbers.

3 – Pedestrian Casualties.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by pedestrians in Oxfordshire.

Table 3.1. **Pedestrian** casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	2	5	0	0	4	0	2	4	3	1	4	1	0	10	1	37
Male	0	8	10	5	1	0	4	2	5	2	2	4	2	1	5	2	53
Total	1	10	15	5	1	4	4	4	9	5	3	8	3	1	15	3	91

Table 3.2. Long term **child pedestrian** casualty trends 2000 to 2021.

Severity	Gender	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	7	5	3	5	2	2	10	2	2	1	7	4	2	2	4	3	4	1
	Male	10	5	5	2	9	7	2	9	9	5	4	8	4	5	7	5	3	5
	Total	17	10	8	7	11	9	12	11	11	6	11	12	6	7	11	8	7	6
Slight	Female	23	26	25	18	20	14	11	15	10	9	10	13	11	6	11	10	4	6
	Male	37	38	23	31	33	16	20	19	20	24	20	17	14	11	19	10	6	13
	Total	61	64	48	49	53	30	31	34	30	33	30	30	25	17	30	20	10	20
Total	Female	30	31	28	23	22	16	21	17	12	10	17	17	13	8	15	13	8	7
	Male	48	43	28	33	42	23	22	28	29	29	24	25	18	16	26	15	9	18
	Total	77	74	56	56	64	39	43	45	41	39	41	42	31	24	41	28	17	25

Table 3.3. Long term **adult pedestrian** casualty trends 2000 to 2021.

Severity	Gender	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	16	10	17	22	10	19	17	17	18	14	25	24	18	15	10	9	6	11
	Male	27	20	15	22	22	25	30	19	18	17	23	15	21	15	15	15	10	14
	Total	43	30	32	44	32	44	47	36	36	31	48	39	39	30	25	24	16	25
Slight	Female	63	45	46	46	52	57	33	56	41	42	45	45	41	39	41	36	33	19
	Male	73	53	66	72	67	45	45	51	44	43	68	45	42	37	37	32	25	21
	Total	136	98	112	118	119	102	78	107	85	85	113	90	83	76	78	68	58	40
Total	Female	79	55	63	68	62	76	50	73	59	56	70	69	59	54	51	45	39	30
	Male	99	73	81	94	89	70	75	70	62	60	91	60	63	52	52	47	35	35
	Total	178	128	144	162	151	146	125	143	121	116	161	129	122	106	103	92	74	65

Chart 3.1. Long term **child pedestrian** casualty trends 2000 to 2021.

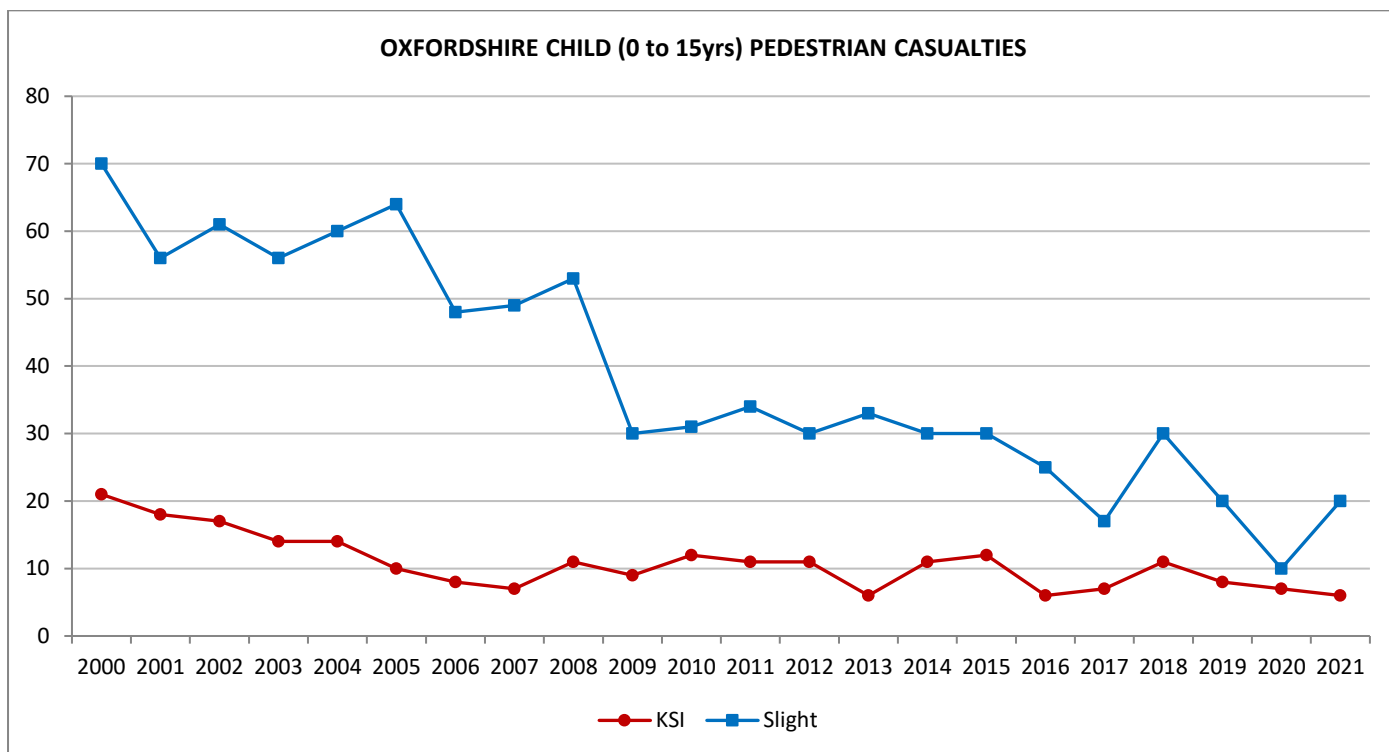


Chart 3.2. Long term **adult pedestrian** casualty trends 2000 to 2021.

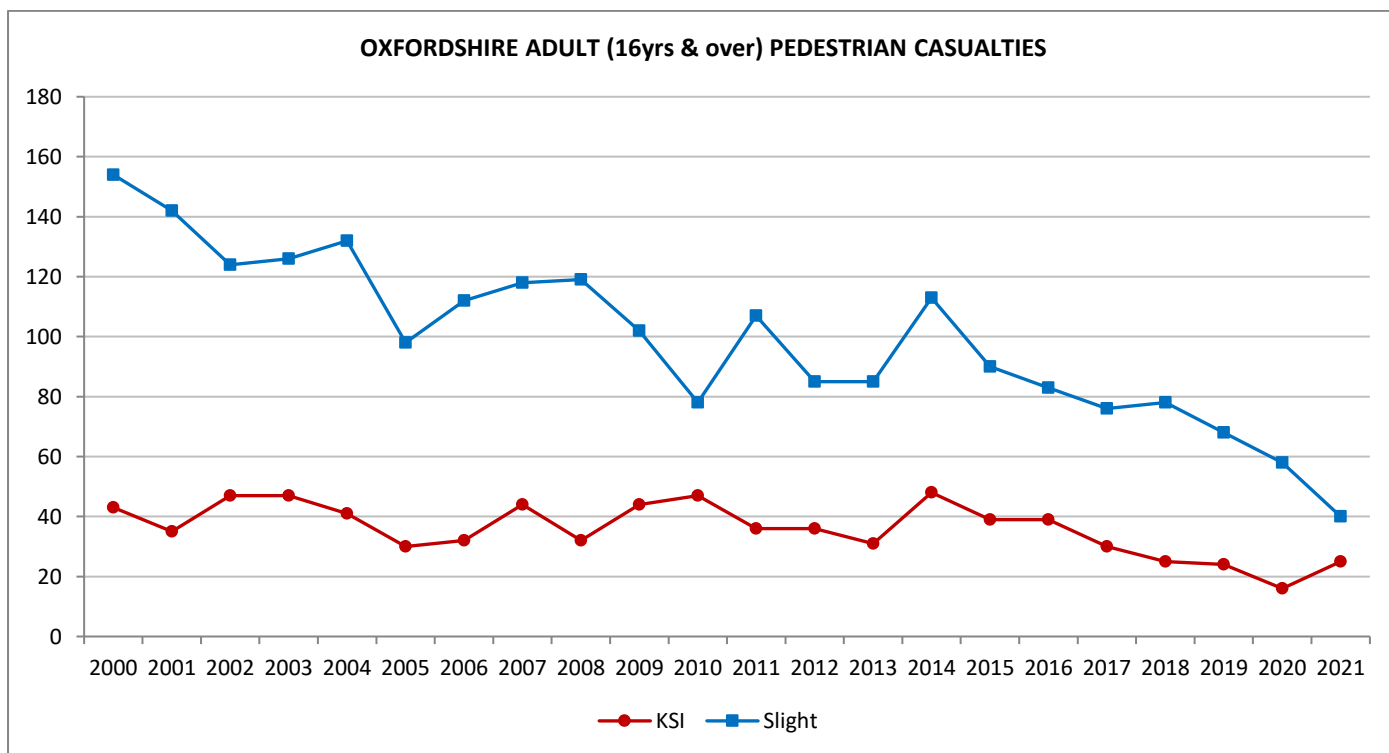
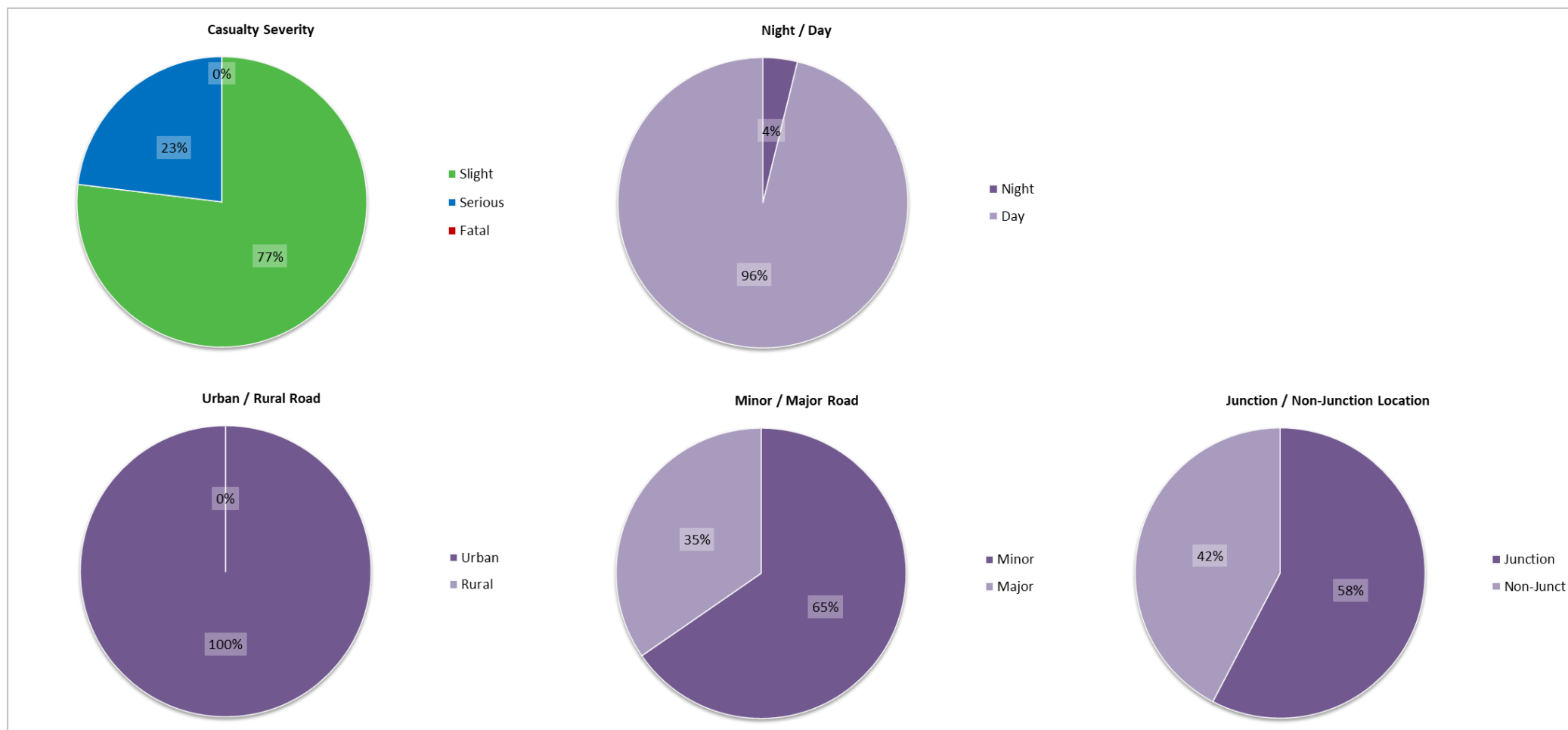
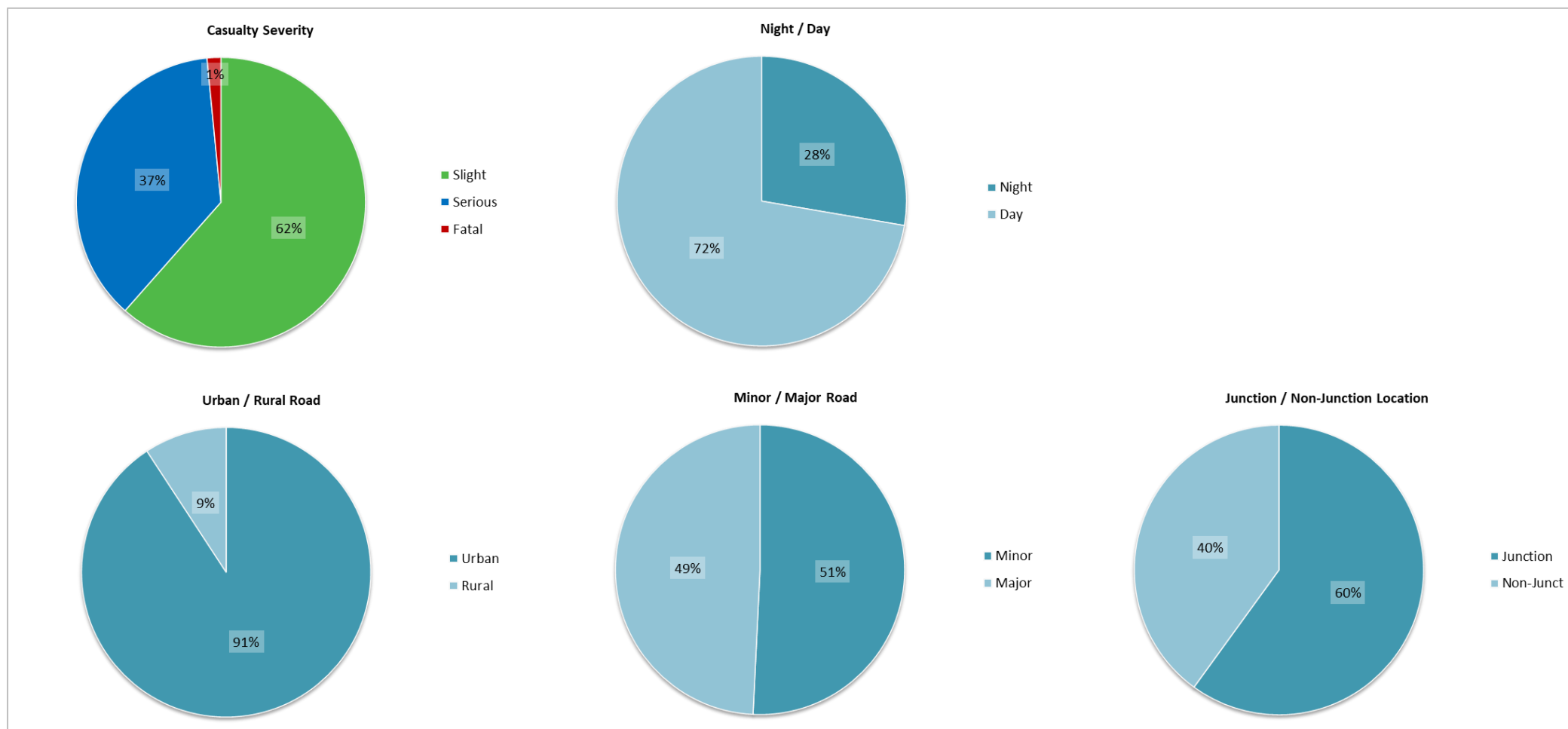


Chart 3.3. Child pedestrian casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

Chart 3.4. Adult pedestrian casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

4 – Pedal cyclist Casualties.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by pedal cyclists (riders and passengers) in Oxfordshire .

Table 4.1. **Pedal cycle** casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	1	5	3	6	10	6	3	5	8	3	3	0	4	0	2	59
Male	0	0	23	13	21	17	17	11	13	14	13	8	8	6	8	3	175
Total	0	1	28	16	27	27	23	14	18	22	16	11	8	10	8	5	234

Table 4.2. Long term **child pedal cycle** casualty trends 2000 to 2021.

Severity	Gender	00-04 avrg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	2	1	1	0	0	2	0	1	1	0	1	0	1	0	0	0	0	1
	Male	5	6	3	5	6	6	4	3	3	3	6	5	2	4	1	1	3	6
	Total	7	7	4	5	6	8	4	4	4	3	7	5	3	4	1	1	3	7
Slight	Female	12	10	6	7	5	9	3	6	10	3	8	0	3	3	2	4	2	5
	Male	38	32	25	23	27	31	11	27	17	13	15	17	18	15	19	15	8	17
	Total	50	42	31	30	32	40	14	33	27	16	23	17	21	18	21	19	10	22
Total	Female	14	11	7	7	5	11	3	7	11	3	9	0	4	3	2	4	2	6
	Male	43	38	28	28	33	37	15	30	20	16	21	22	20	19	20	16	11	23
	Total	57	49	35	35	38	48	18	37	31	19	30	22	24	22	22	20	13	29

Table 4.3. Long term **adult pedal cycle** casualty trends 2000 to 2021.

Severity	Gender	00-04 avrg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	11	9	15	17	15	14	15	13	21	10	22	19	17	16	13	11	10	11
	Male	21	10	32	23	31	32	43	45	47	48	46	43	52	41	31	33	33	34
	Total	32	19	47	40	46	46	58	58	68	58	68	62	69	57	44	44	43	45
Slight	Female	77	70	65	69	70	45	61	64	71	81	86	93	76	61	60	64	51	42
	Male	129	126	113	125	143	134	100	127	135	137	178	167	152	137	129	143	102	118
	Total	207	196	178	194	213	179	161	191	206	218	332	260	228	198	189	207	153	160
Total	Female	88	79	80	86	85	59	76	77	92	91	108	112	93	77	73	75	61	53
	Male	150	136	145	148	174	166	143	172	182	185	224	210	204	178	160	176	135	152
	Total	238	215	225	234	259	225	219	249	274	276	332	322	297	255	233	251	196	205

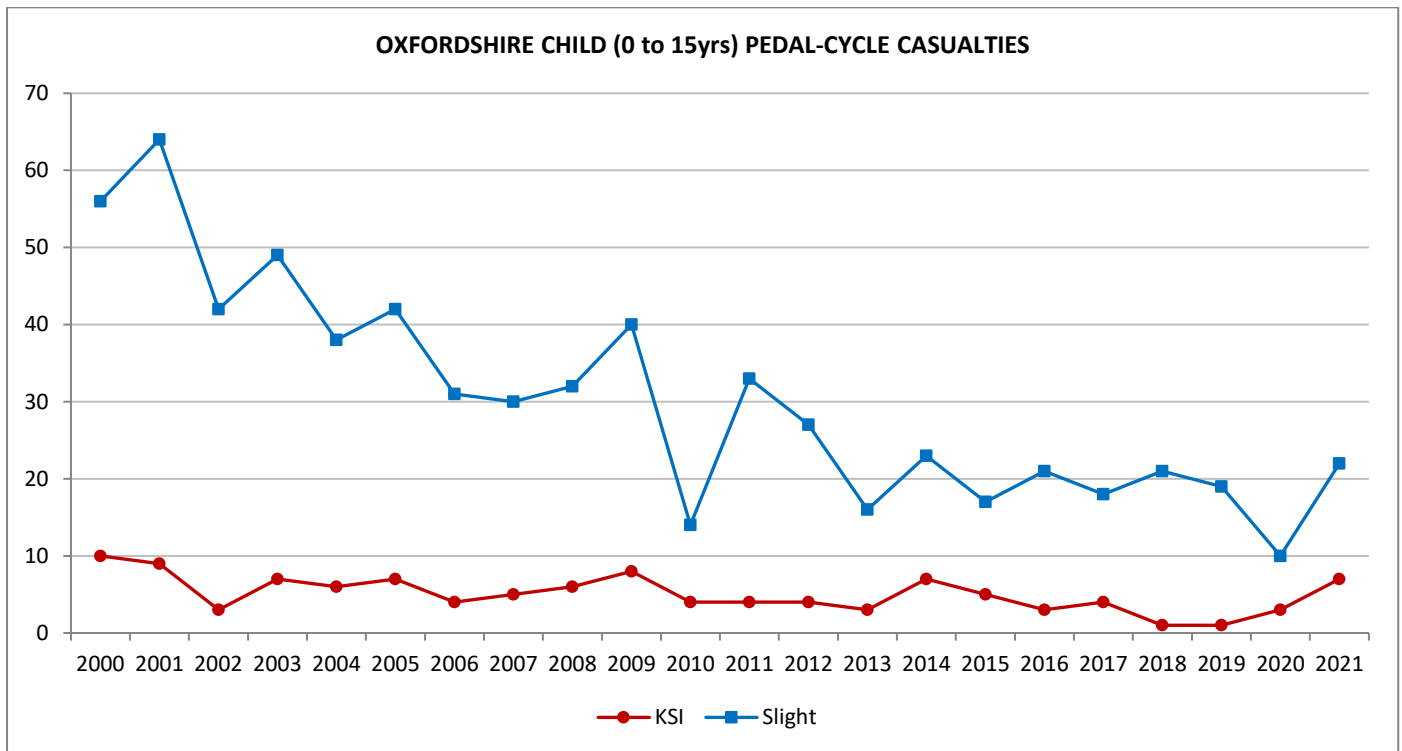
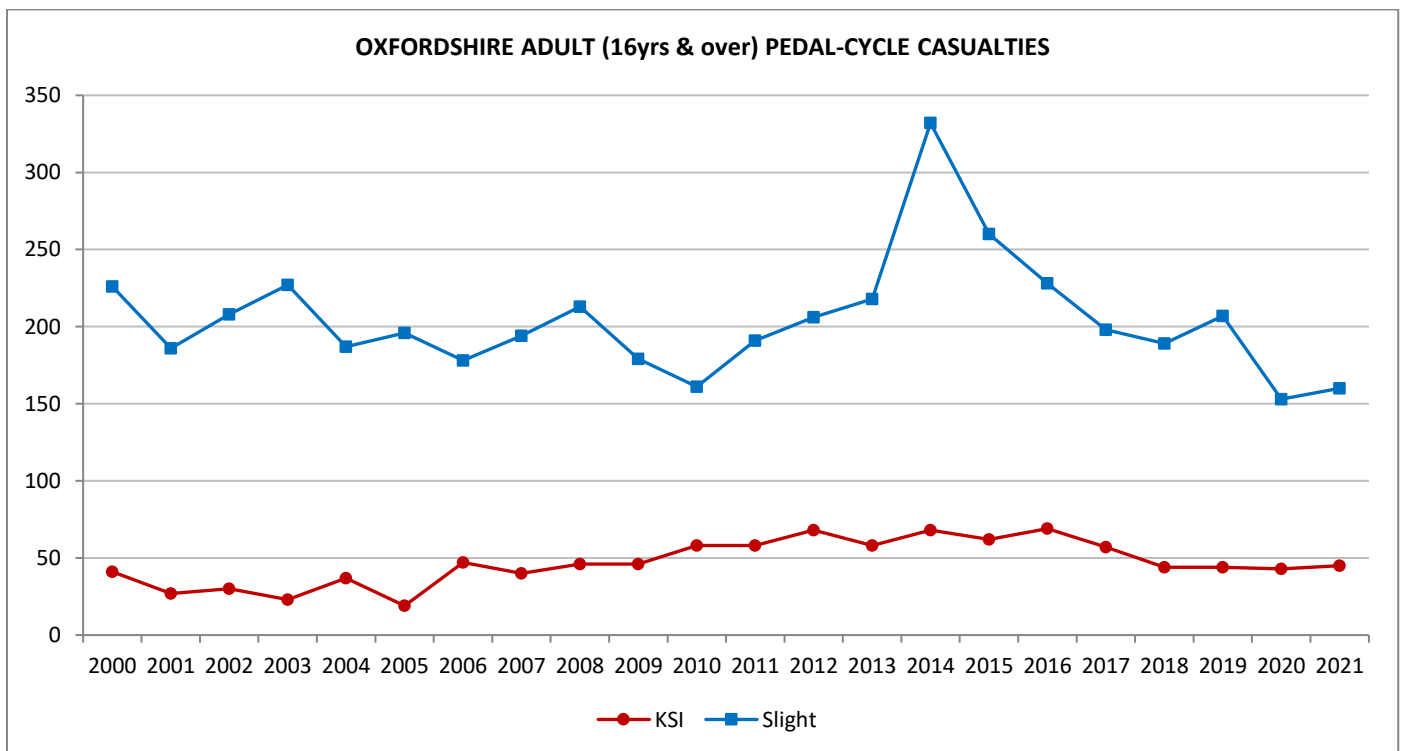
Chart 4.1. Long term **child pedal cycle** casualty trends 2000 to 2021.Chart 4.2. Long term **adult pedal cycle** casualty trends 2000 to 2021.

Chart 4.3. Total Oxfordshire **pedal-cycle** casualties and Traffic flow (Average annual daily flow) by year 2000 to 2021.

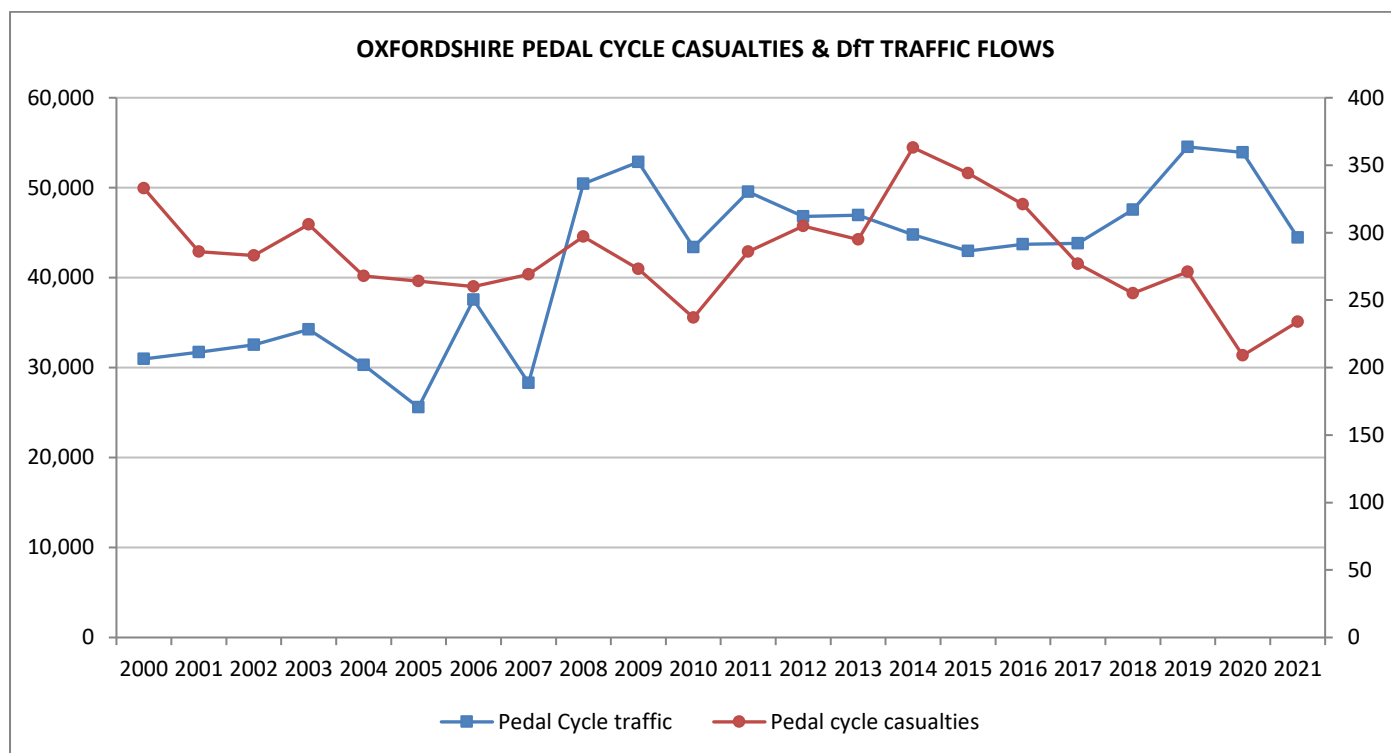
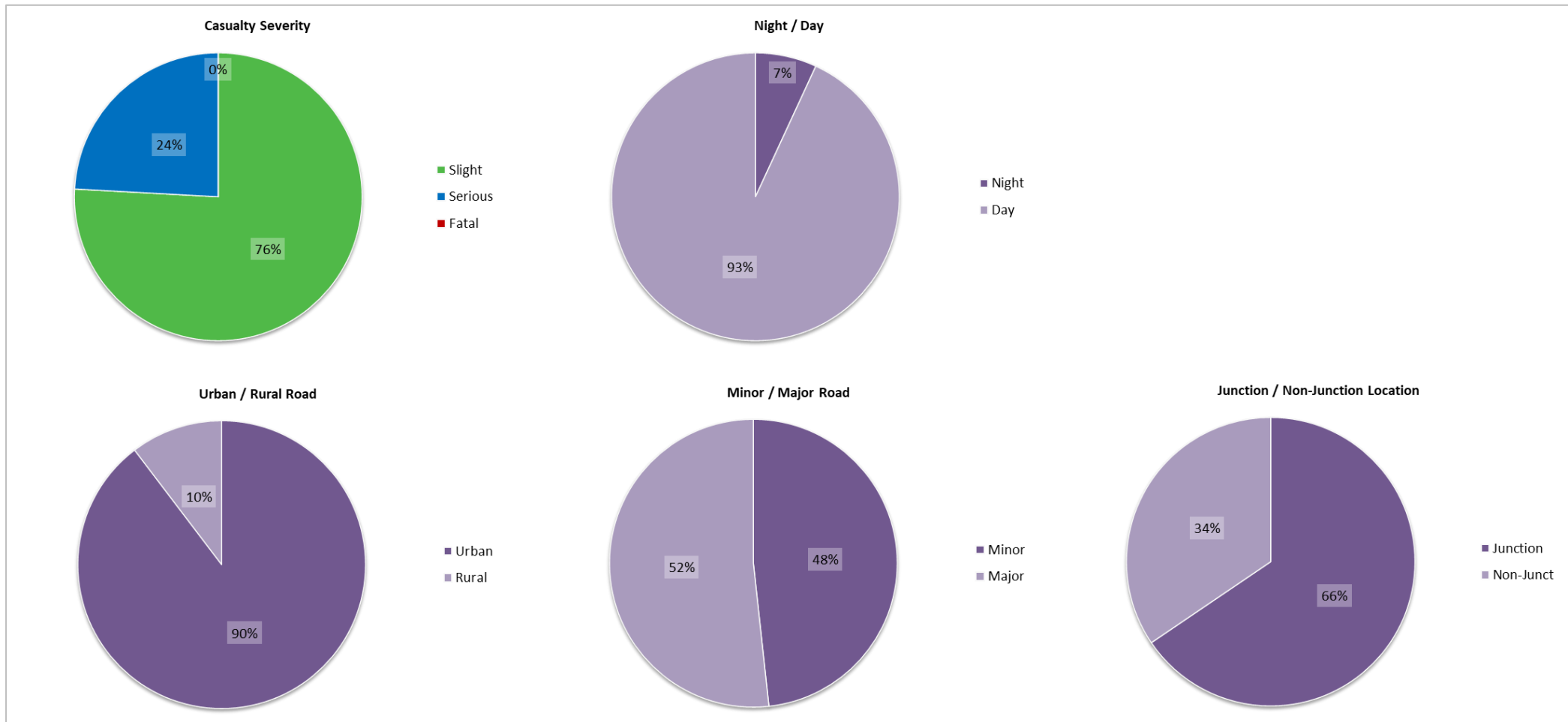
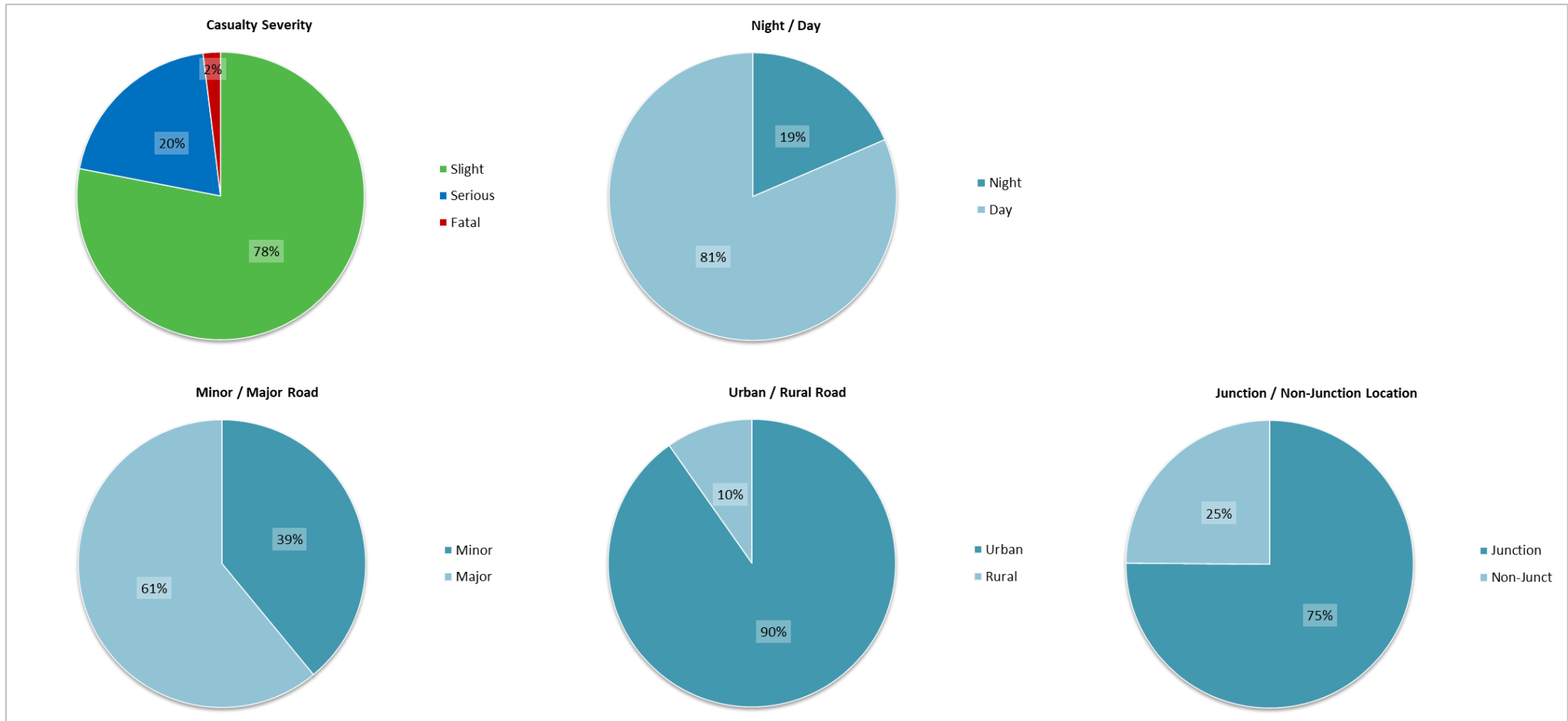


Chart 4.4. Child pedal cycle casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

Chart 4.5. Adult pedal cycle casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

5 – Motorcycle & Moped Casualties.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by motorcycle and moped riders & passengers in Oxfordshire.

Table 5.1. **Motor cycle** (incl. moped & electric) casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	0	0	0	1	3	1	1	2	1	1	1	0	0	0	0	11
Male	0	0	0	18	17	17	14	11	5	12	11	8	5	3	1	1	123
Total	0	0	0	18	18	20	15	12	7	13	12	9	5	3	1	1	134

Table 5.2. Long term **total motor cycle** (incl. moped & electric) casualty trends 2000 to 2021.

Severity	Gender	00-04 avrg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	10	3	6	10	9	6	8	8	3	13	8	3	5	12	4	5	3	3
	Male	85	64	65	82	54	67	82	79	52	62	74	91	70	52	47	40	44	53
	Total	95	67	71	92	63	73	90	87	55	75	82	94	75	64	51	45	47	56
Slight	Female	30	31	24	26	33	24	15	11	17	14	10	19	18	14	13	9	6	8
	Male	183	166	160	142	131	129	108	101	103	95	116	109	93	91	92	77	56	70
	Total	213	197	184	168	164	153	123	112	120	109	126	128	111	105	105	86	62	78
Total	Female	40	34	30	36	42	30	23	19	20	27	18	22	23	26	17	14	9	11
	Male	268	230	225	224	185	196	190	180	155	157	190	200	163	143	139	117	100	123
	Total	308	264	255	260	227	226	213	199	175	184	208	222	186	169	156	131	109	134

Chart 5.1. Long term **total motor cycle** (incl. moped & electric) casualty trends 2000 to 2021.

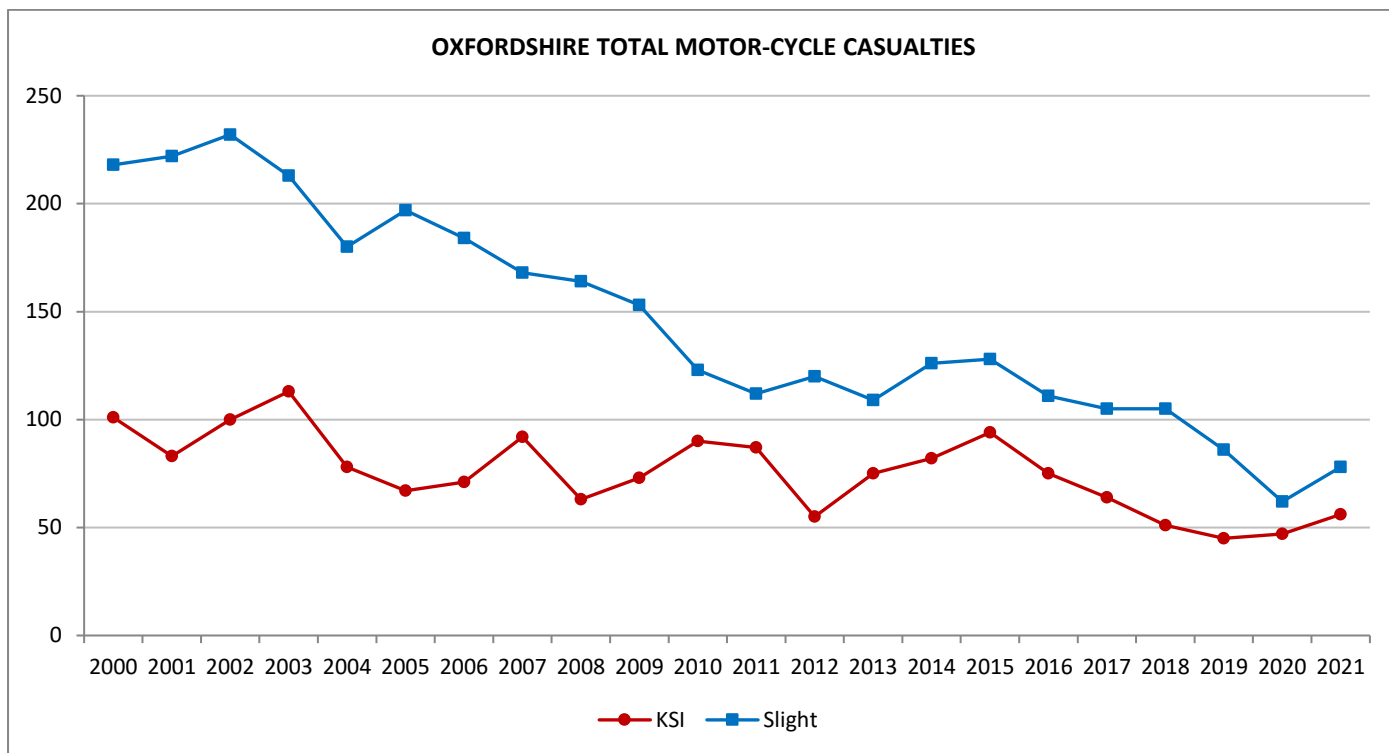


Chart 5.2. **Total motor cycle** casualties and Traffic flow (Average annual daily flow) by year 2000 to 2021.

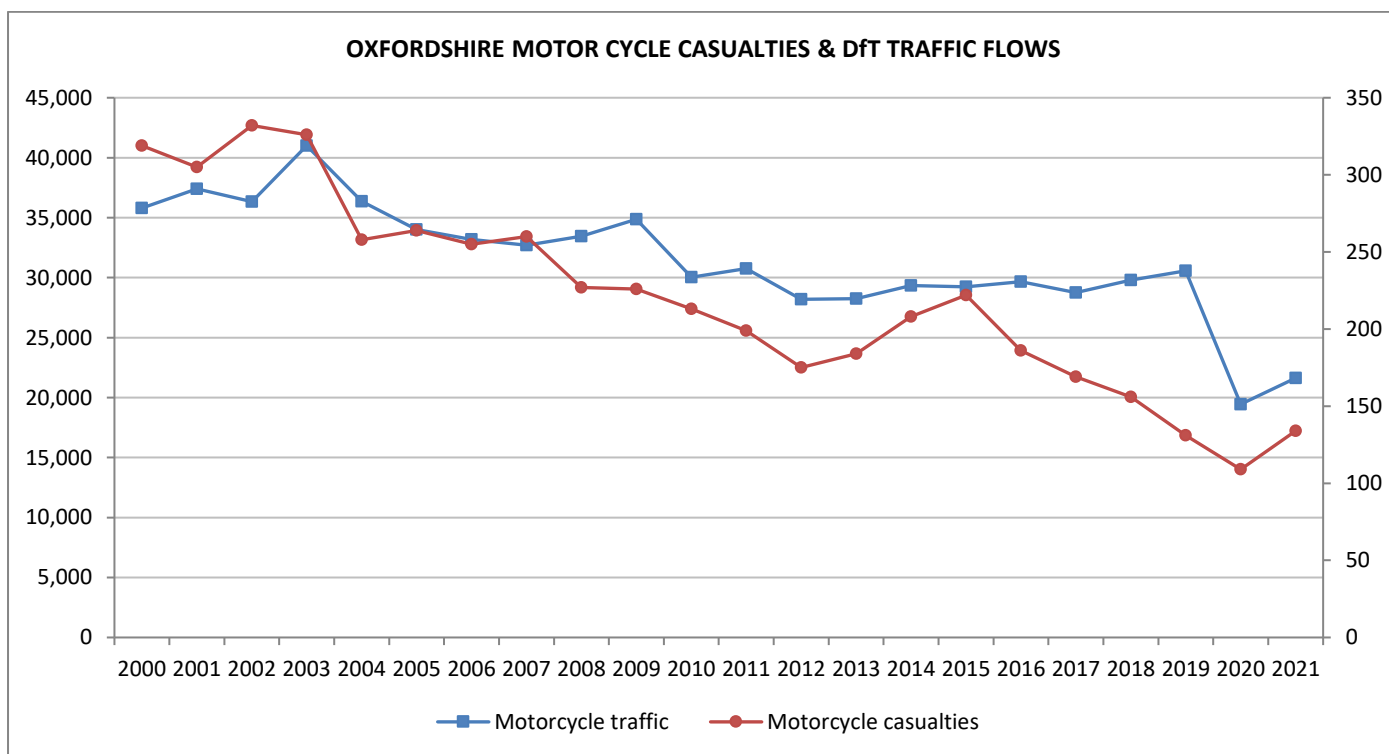
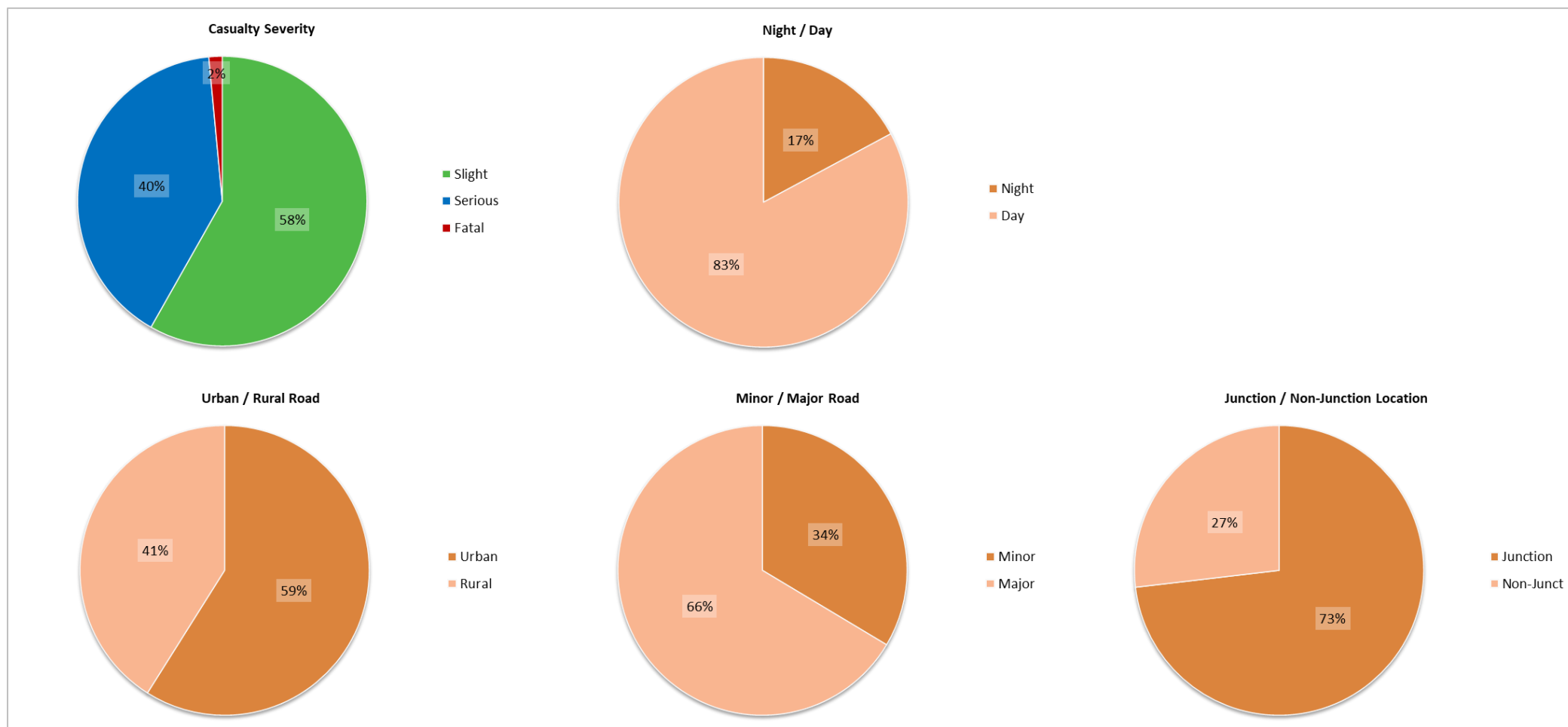


Chart 5.3. Total motor cycle (incl. moped & electric) casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

6 – Car Driver & Passenger Casualties.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by both car drivers and passengers in Oxfordshire.

Table 6.1. **Car driver** casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	0	0	5	25	18	24	22	18	14	12	14	5	2	8	0	167
Male	0	0	0	12	43	25	25	13	21	11	14	16	7	5	24	2	218
Total	0	0	0	17	68	43	49	35	39	25	26	30	12	7	32	2	385

Table 6.2. Long term **total car driver** casualty trends 2000 to 2021.

Severity	Gender	00-04 avrg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	66	54	46	48	47	39	44	43	27	38	40	29	38	30	30	26	21	26
	Male	118	83	88	69	77	65	71	64	56	59	56	54	70	47	49	35	40	39
	Total	184	137	134	117	124	104	115	107	83	97	96	83	108	77	79	61	61	65
Slight	Female	582	550	586	489	438	436	438	453	408	342	396	382	380	326	266	236	164	141
	Male	664	656	681	585	483	457	477	483	479	401	388	427	392	315	260	256	224	179
	Total	1246	1206	1267	1074	921	893	915	936	887	743	784	809	772	641	526	492	388	320
Total	Female	648	604	632	537	485	475	482	496	435	380	436	411	418	356	296	262	185	167
	Male	782	739	769	654	560	522	548	547	535	460	444	481	462	362	309	291	264	218
	Total	1430	1343	1401	1191	1045	997	1030	1043	970	840	880	892	880	718	605	553	449	385

Table 6.3. Car passenger age & gender summary 2021 (all severities).

Gender	0-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	2	1	7	7	6	8	3	5	3	8	2	3	0	3	11	2	71
Male	3	6	11	4	6	4	3	3	4	5	1	1	4		4	3	62
Total	5	7	18	11	12	12	6	8	7	13	3	4	4	3	15	5	133

Table 6.4. Long term child car passenger casualty trends 2000 to 2021.

Severity	Gender	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	5	3	3	5	4	2	2	0	0	0	3	1	2	1	1	6	3	2
	Male	5	6	4	4	3	0	3	3	0	1	1	3	2	2	0	2	3	4
	Total	10	9	7	9	7	2	5	3	0	1	4	4	4	3	1	8	6	6
Slight	Female	61	49	66	52	35	28	43	38	38	36	29	31	45	26	30	17	7	8
	Male	52	47	41	48	33	36	41	32	22	32	21	29	34	24	17	21	8	16
	Total	114	96	107	100	68	64	84	70	60	68	50	60	79	50	47	38	15	24
Total	Female	67	52	69	57	39	30	45	38	38	36	32	32	47	27	31	23	10	10
	Male	57	53	45	52	36	36	44	35	22	33	22	32	36	26	17	23	11	20
	Total	124	105	114	109	75	66	89	73	60	69	54	64	83	53	48	46	21	30

Table 6.5. Long term **adult car passenger** casualty trends 2000 to 2021.

Severity	Gender	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	33	26	22	21	14	20	18	19	16	28	21	20	25	18	29	18	13	14
	Male	30	22	24	16	19	22	25	14	16	9	18	15	16	9	18	7	9	5
	Total	63	48	46	37	33	42	43	33	32	37	39	35	41	27	47	25	22	19
Slight	Female	262	239	239	195	195	182	190	179	180	147	154	169	161	130	84	96	54	47
	Male	173	158	167	149	125	135	112	120	103	82	94	94	88	73	66	42	42	37
	Total	436	397	406	344	320	317	302	299	283	229	248	263	249	203	150	138	96	84
Total	Female	295	265	261	216	209	202	208	198	196	175	175	189	186	148	113	114	67	61
	Male	204	180	191	165	144	157	137	134	119	91	112	109	104	82	84	49	51	42
	Total	499	445	452	381	353	359	345	332	315	266	287	298	290	230	197	163	118	103

Chart 6.1. Long term **total car driver** casualty trends 2000 to 2021.

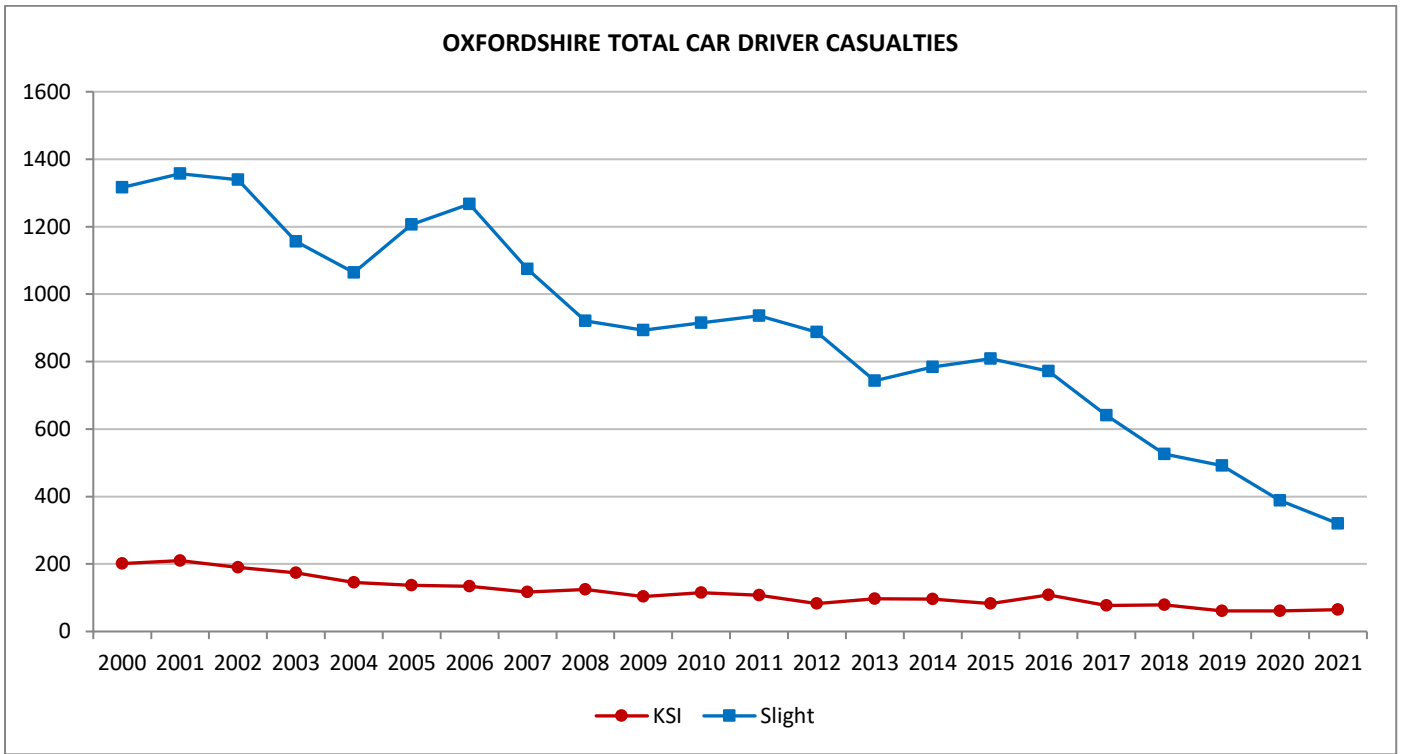


Chart 6.2. **Total car** casualties and Traffic flow (Average annual daily) by year 2000 to 2021.

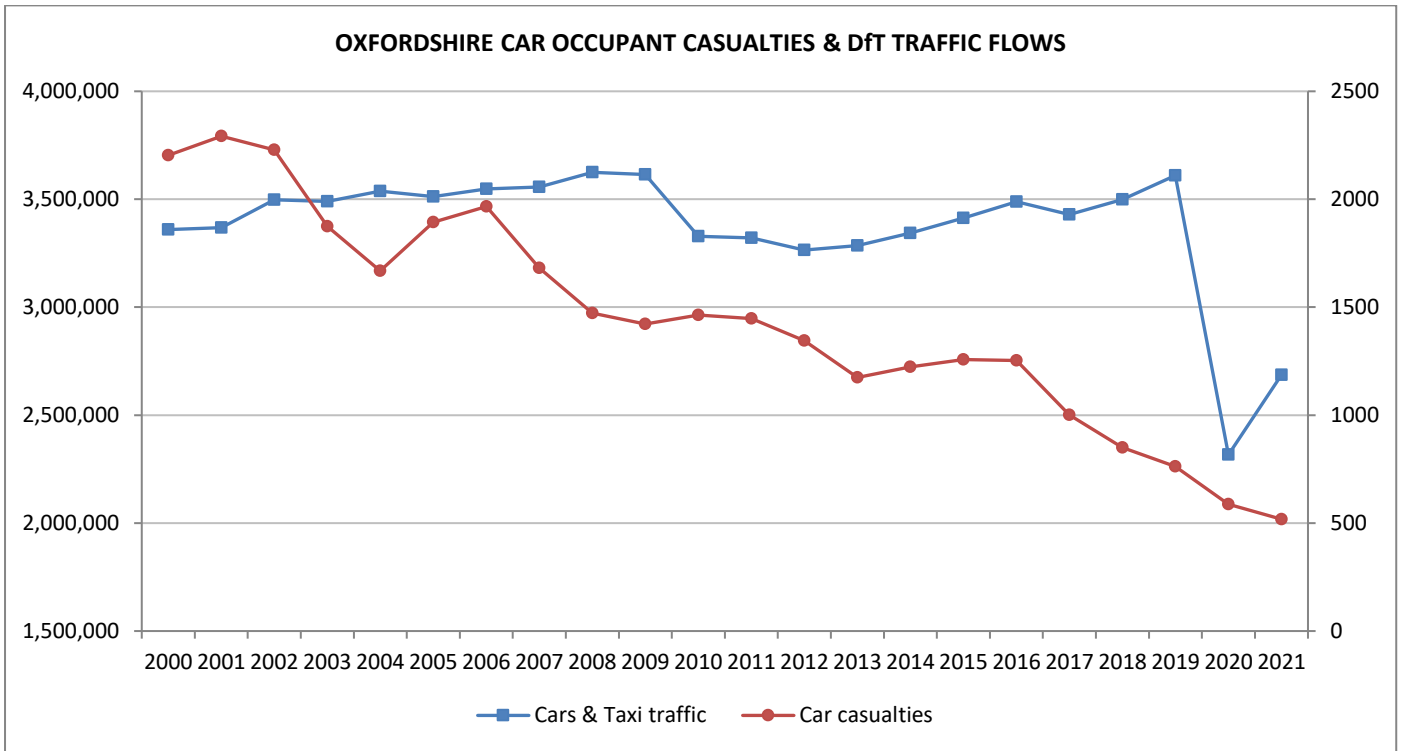
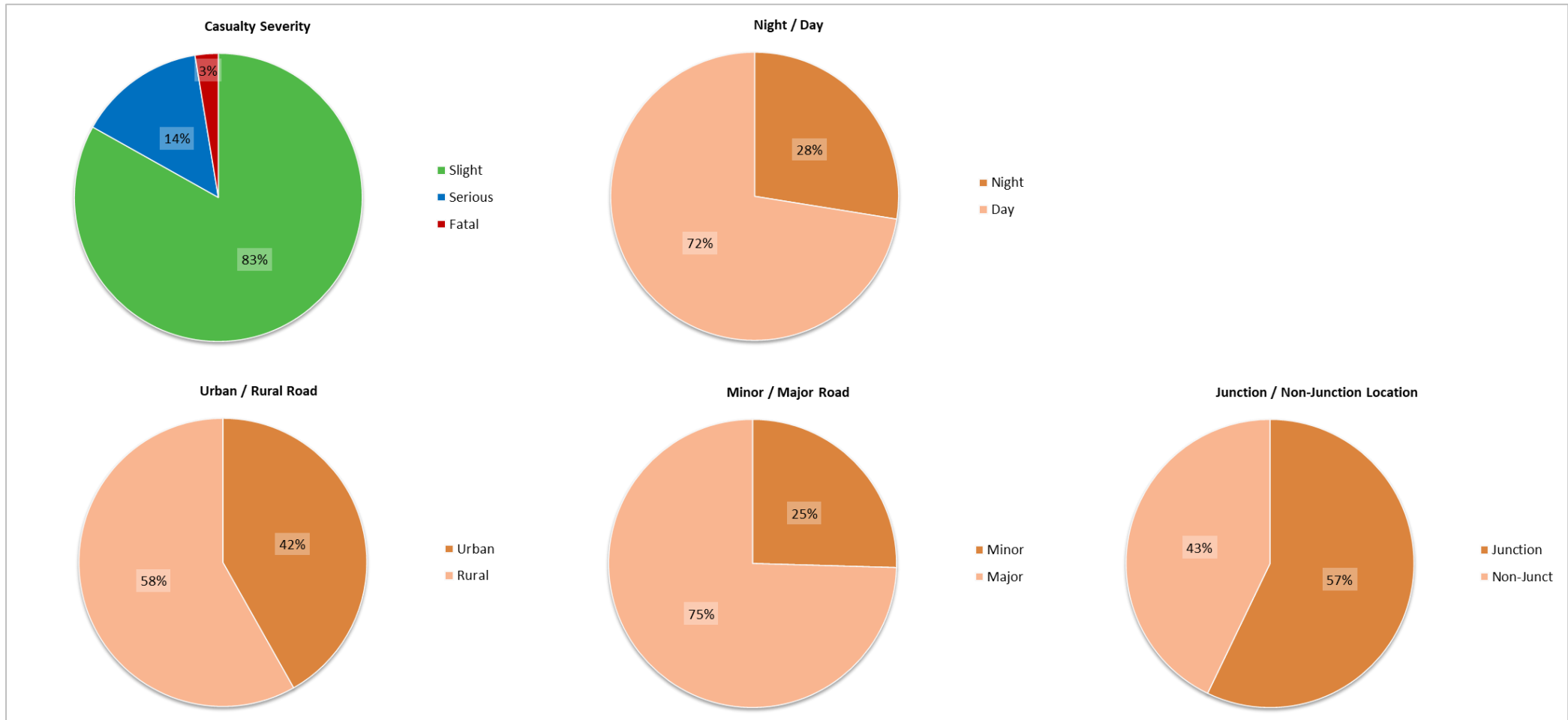


Chart 6.3. Total car driver casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

Chart 6.4. Long term **child car passenger** casualty trends 2000 to 2021.

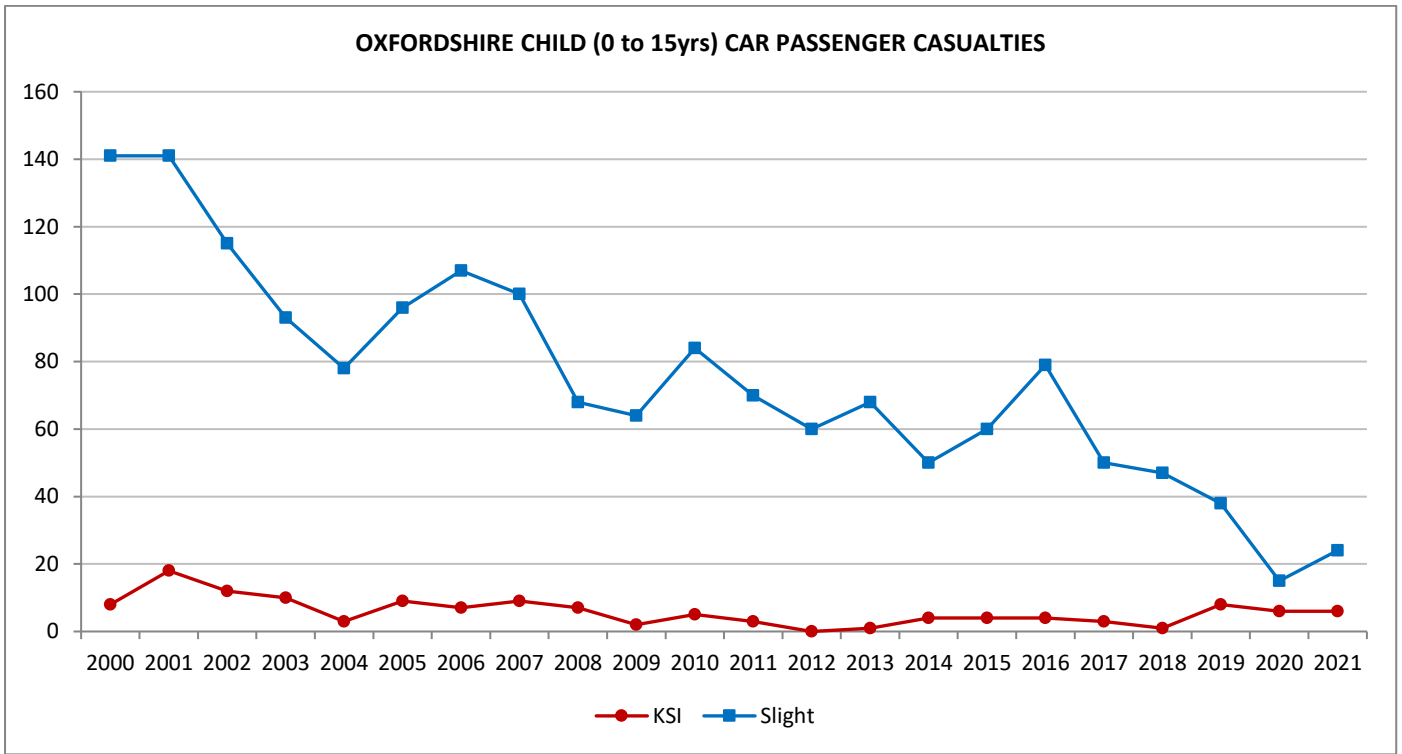


Chart 6.5. Long term **adult car passenger** casualty trends 2000 to 2021.

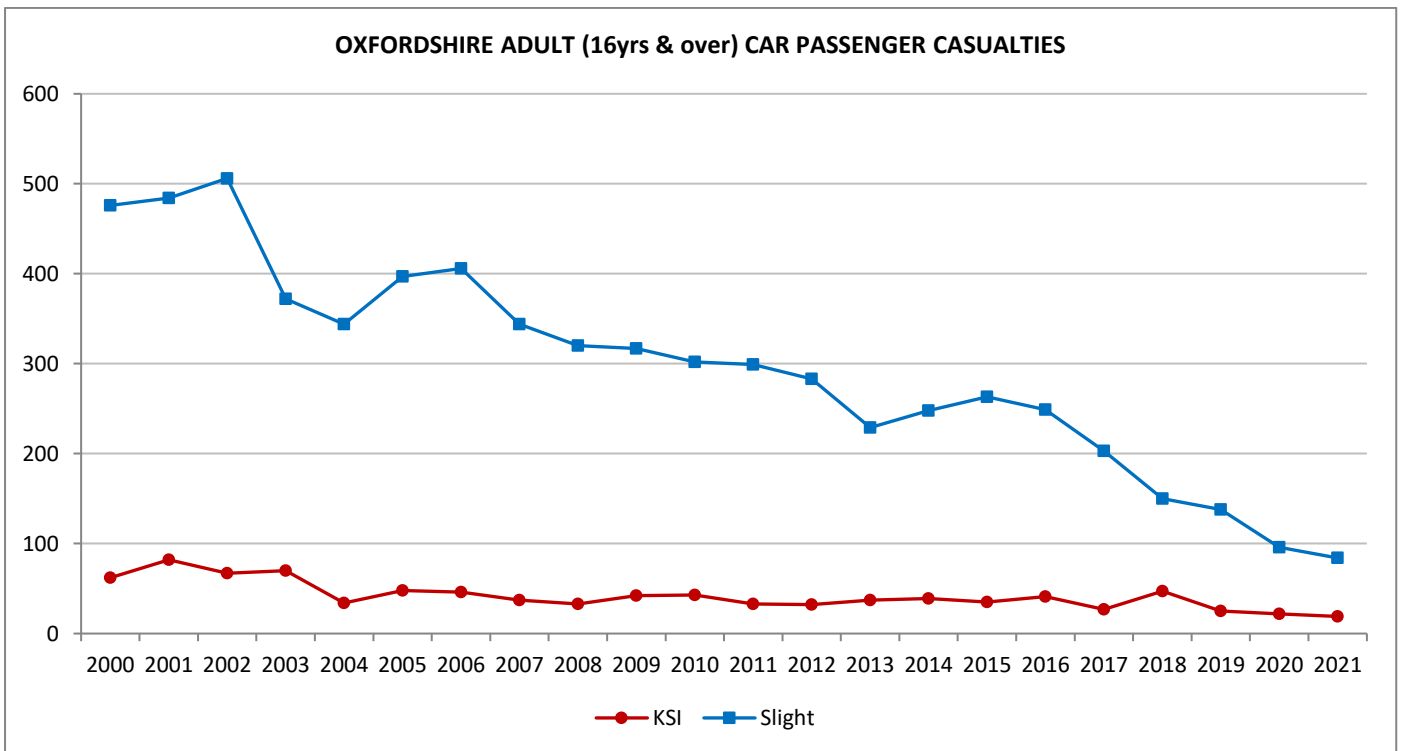
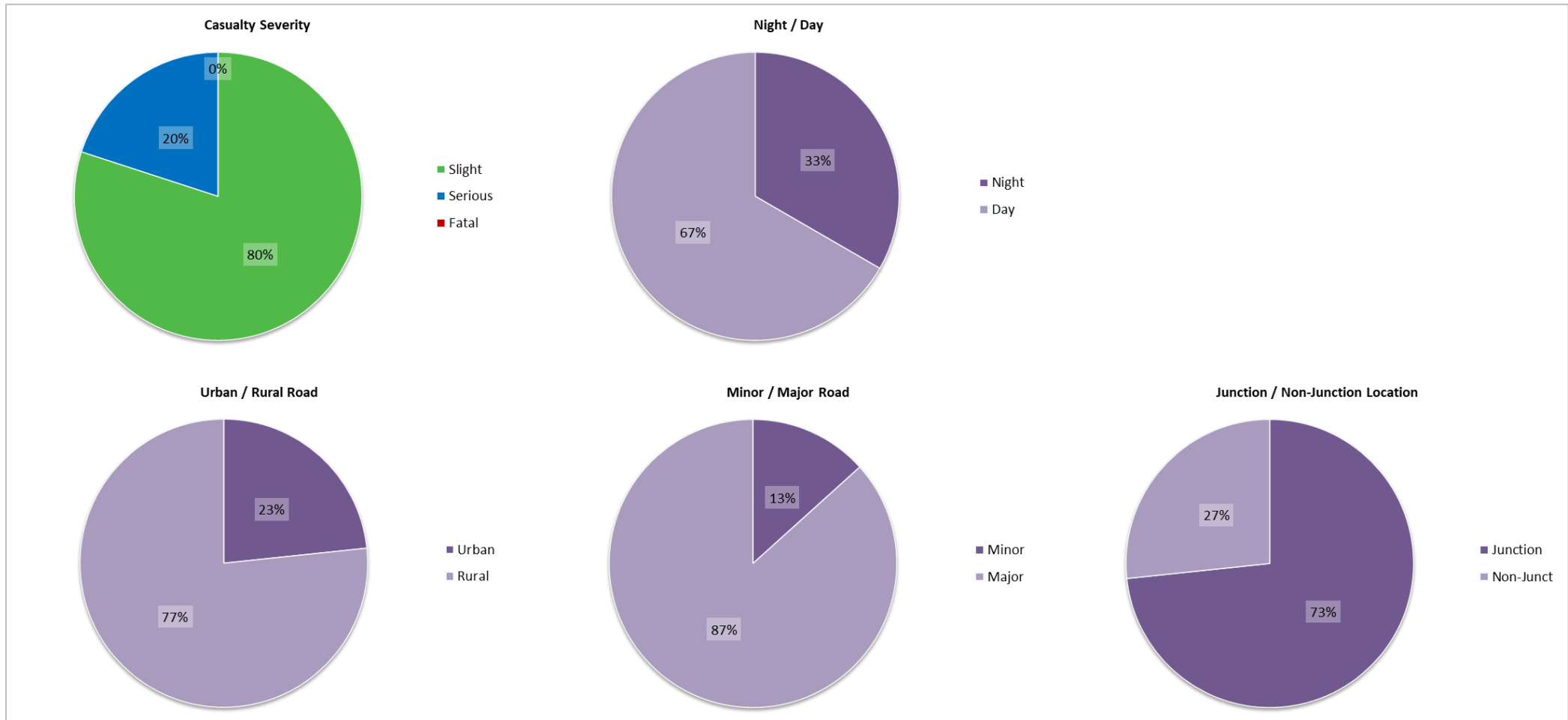
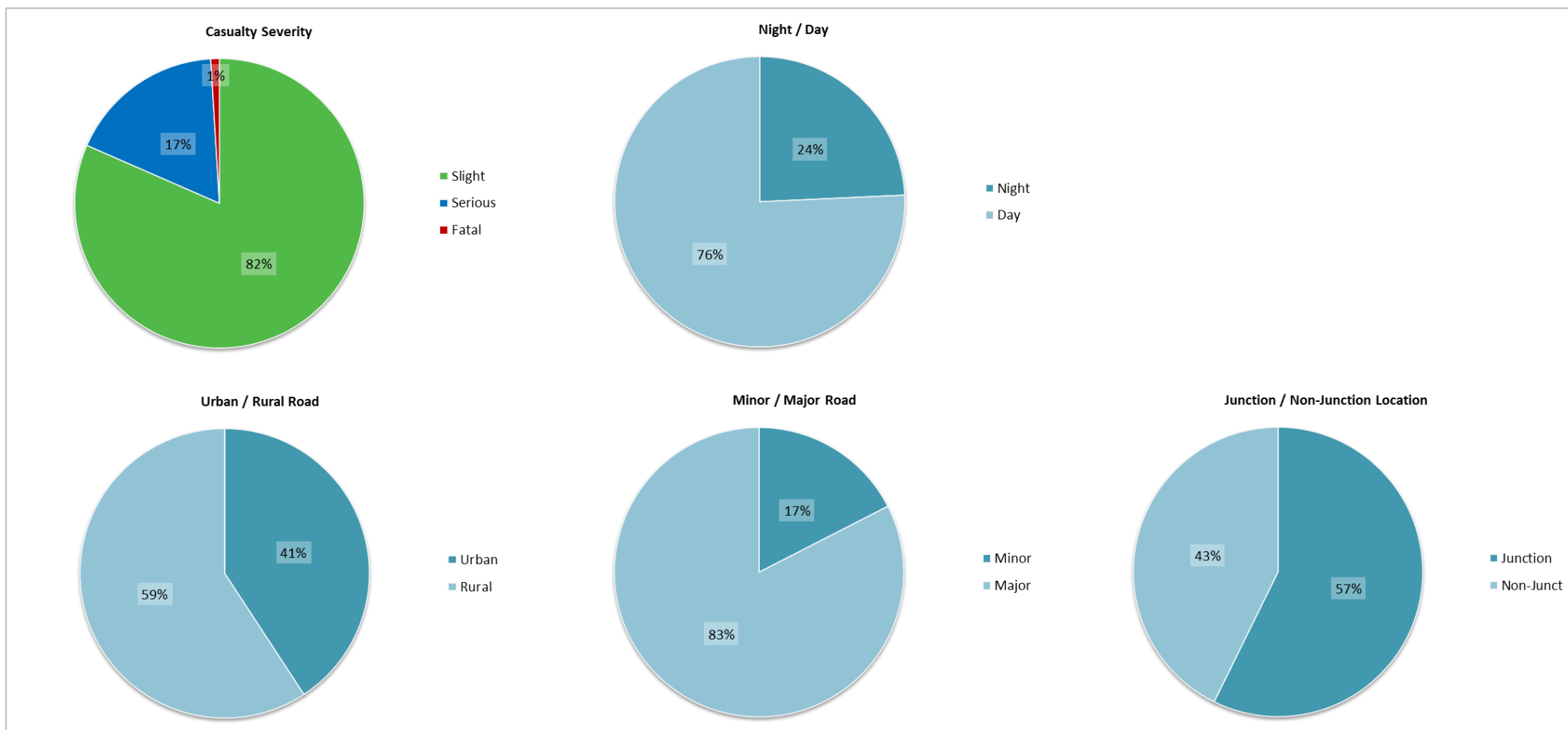


Chart 6.6. Child car passenger casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

Chart 6.7. Adult car passenger casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

7 – Bus & Goods Vehicle Occupant Casualties.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by bus and goods vehicle occupants (drivers & passengers).

Table 7.1. **Bus & coach occupant** casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2
Male	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
Total	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	4

Table 7.3. Long term **total bus & coach occupant** casualty trends 2000 to 2021.

Severity	Gender	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	2	1	1	5	0	4	3	0	1	4	1	2	0	0	2	2	0	0
	Male	2	0	1	0	0	0	6	0	5	0	7	1	3	1	2	1	1	0
	Total	4	1	2	5	0	4	9	0	6	4	8	3	3	1	4	3	1	0
Slight	Female	41	39	45	50	31	18	39	43	34	23	40	19	11	9	11	11	2	2
	Male	29	23	24	21	19	13	32	17	31	15	21	15	15	9	8	11	6	2
	Total	71	62	69	71	50	31	71	60	65	38	61	34	26	18	19	22	8	4
Total	Female	43	40	46	55	31	22	42	43	35	27	41	21	11	9	13	13	2	2
	Male	31	23	25	21	19	13	38	17	36	15	28	16	18	10	10	12	7	2
	Total	75	63	71	76	50	35	80	60	71	42	69	37	29	19	23	25	9	4

Table 7.2. **Goods vehicle occupant** casualties age & gender summary 2021 (all severities).

Gender	00-04	05-09	10-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-99	unknown	Total
Female	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3
Male	0	0	0	1	2	9	6	4	7	8	6	8	1	2	0	0	54
Total	0	0	0	1	3	9	7	4	8	8	6	8	1	2	0	0	57

Table 7.4. Long term **total goods vehicle occupant** casualty trends 2000 to 2021.

Severity	Gender	00-04 avrg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
KSI	Female	1	0	0	1	1	0	1	0	1	1	2	0	1	1	0	3	2	0
	Male	21	13	20	14	16	12	11	13	6	11	11	18	7	7	4	7	10	12
	Total	23	13	20	15	17	12	12	13	7	12	13	18	8	8	4	10	12	12
Slight	Female	9	11	5	1	7	4	3	5	3	2	8	9	7	6	7	9	3	3
	Male	94	90	114	84	96	87	52	80	69	71	82	65	69	72	47	53	41	42
	Total	104	101	119	85	103	91	55	85	72	73	90	74	76	78	54	62	44	45
Total	Female	11	11	5	2	8	4	4	5	4	3	10	9	8	7	7	12	5	3
	Male	116	103	134	98	112	99	63	93	75	82	93	83	76	79	51	60	51	54
	Total	126	114	139	100	120	103	67	98	79	85	103	92	84	86	58	72	56	57

Chart 7.1. Long term **total bus occupant** casualty trends 2000 to 2021.

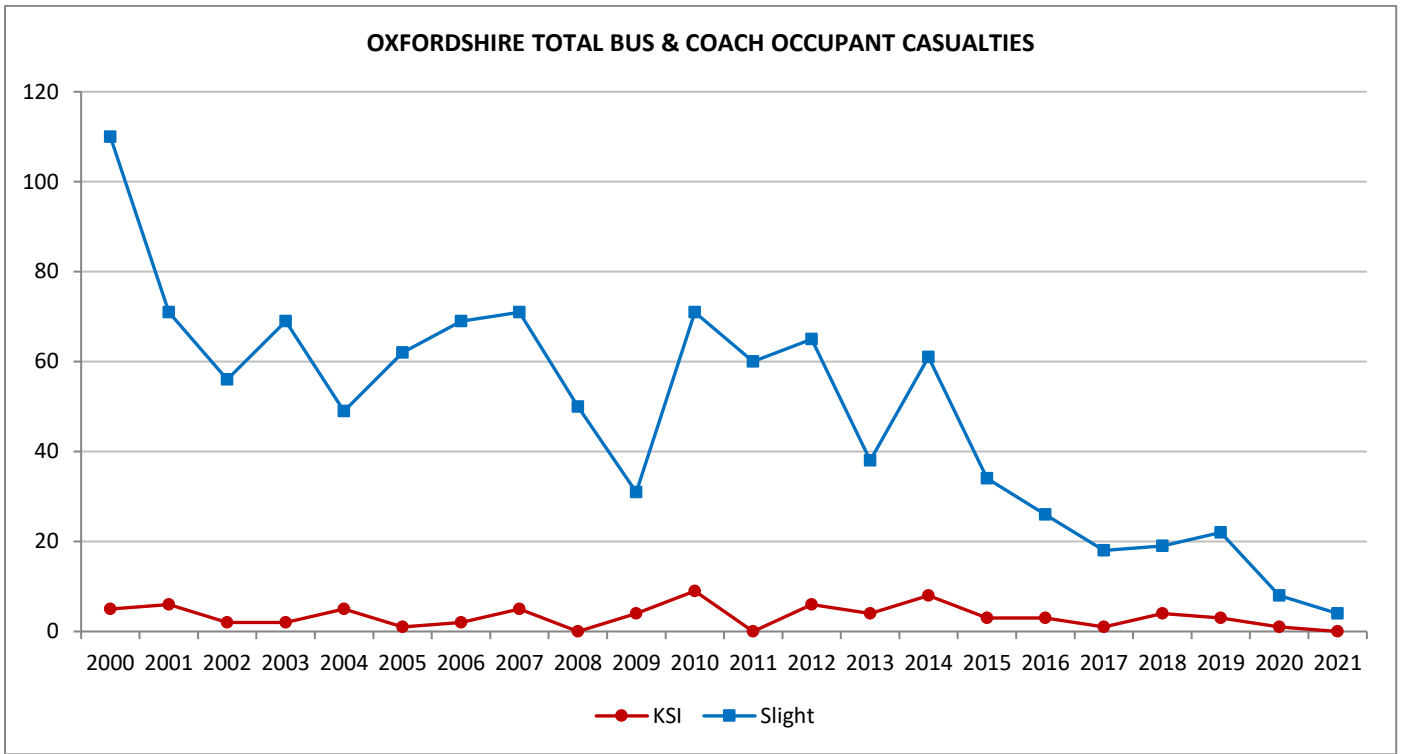


Chart 7.2. **Total bus & coach** casualties and Traffic flow (Average annual daily flow) by year 2000 to 2021.

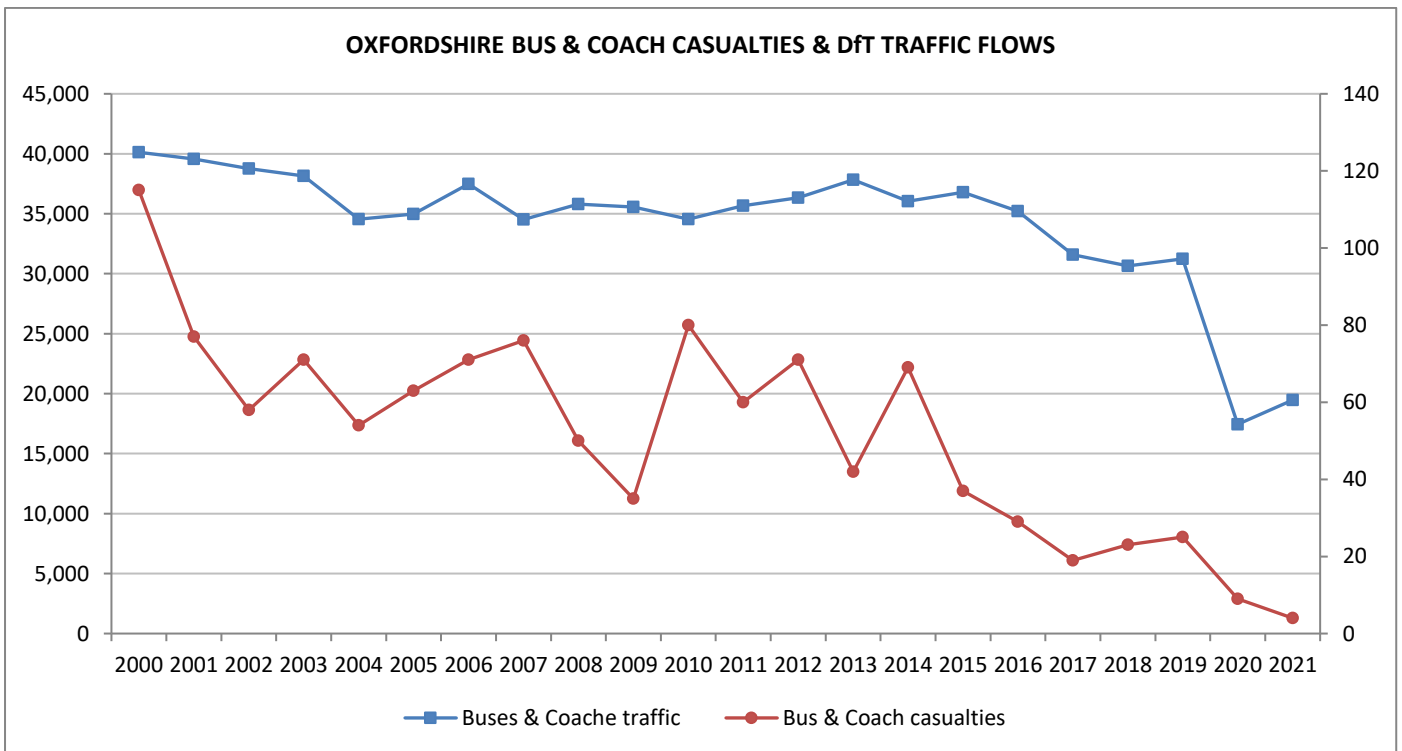


Chart 7.3. Long term total goods vehicle occupant casualty trends 2000 to 2021.

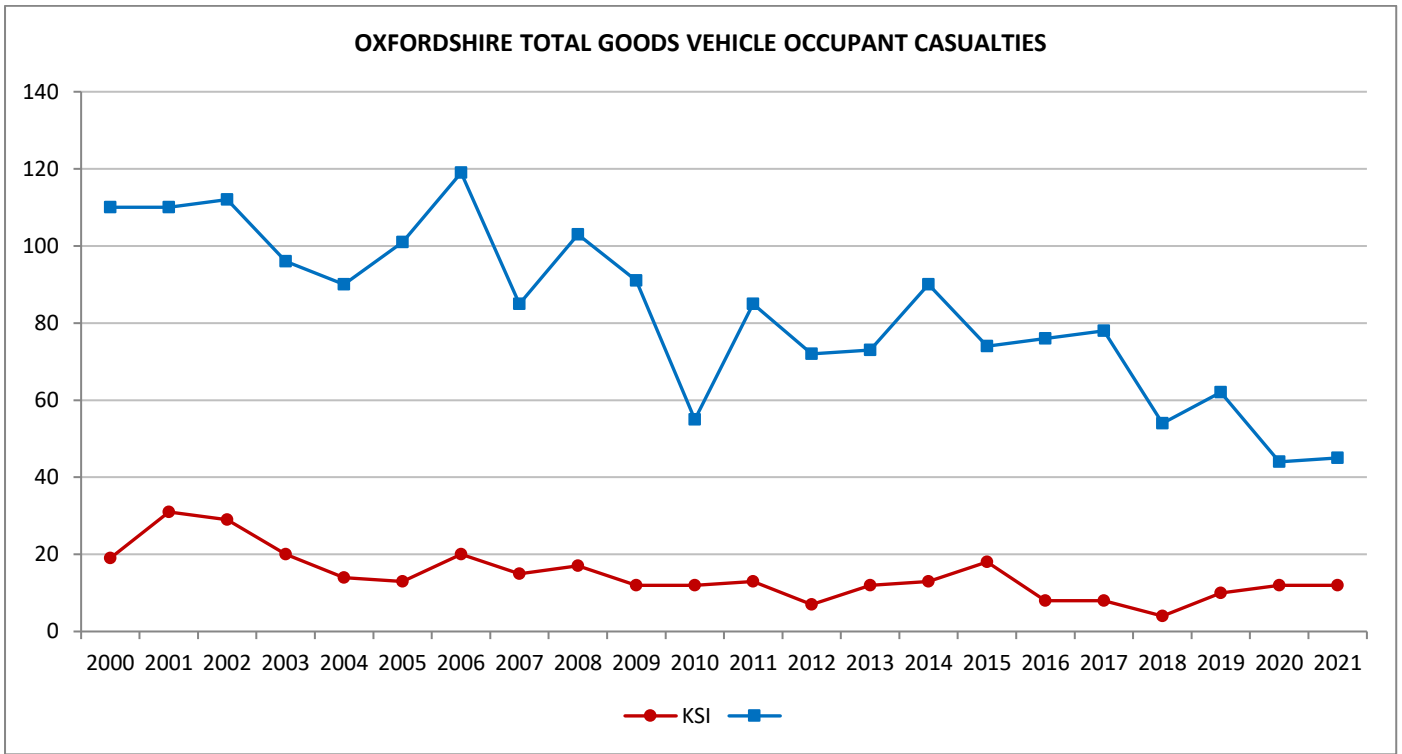


Chart 7.4. Total HGV & LGV* casualties and traffic flow (Average annual daily flow) by year 2000 to 2021.

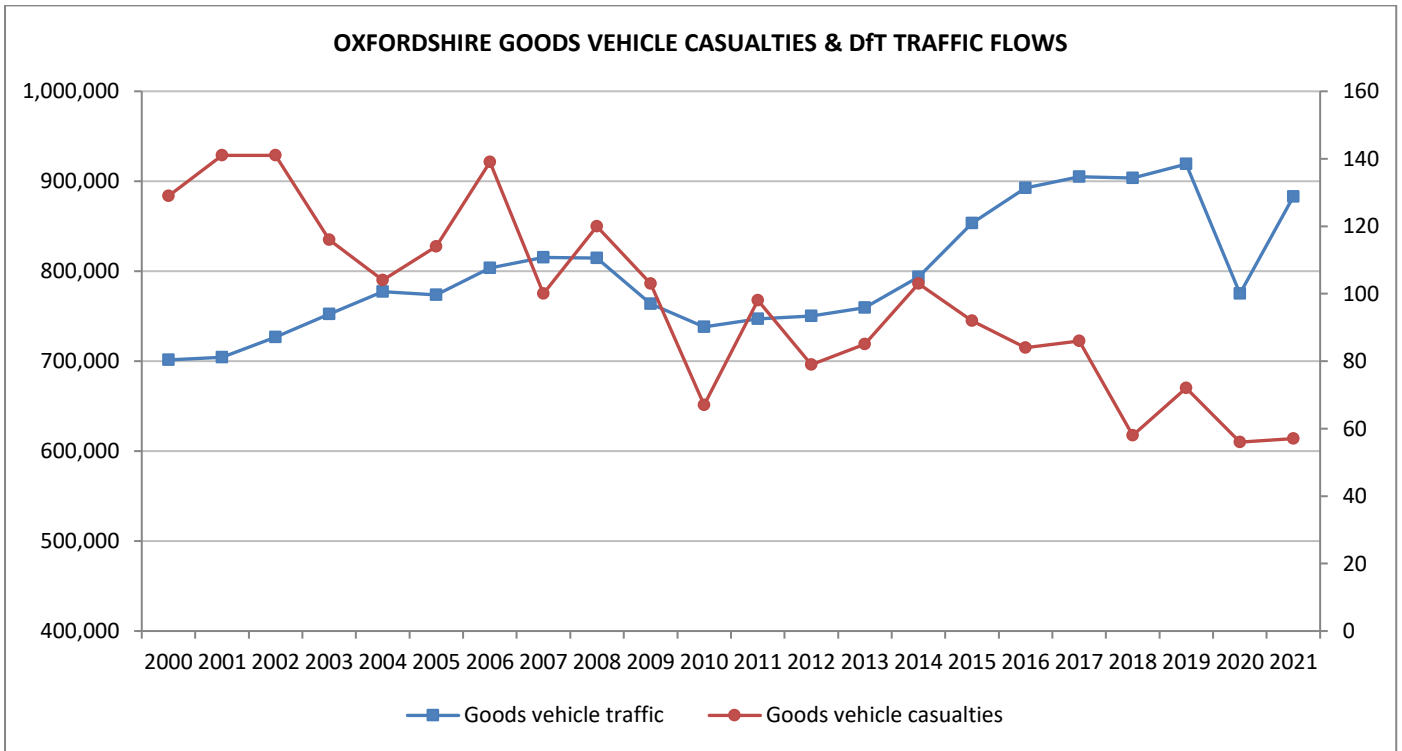
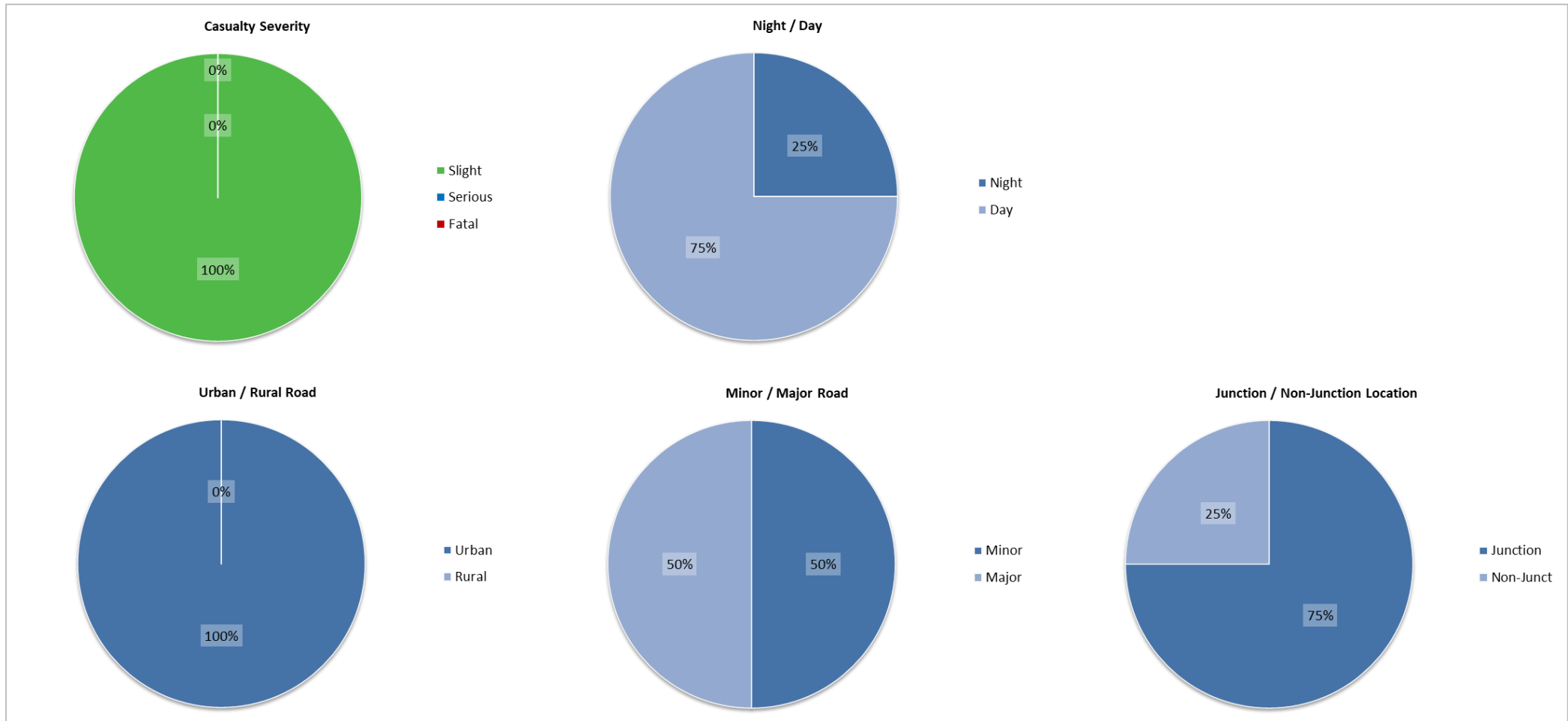
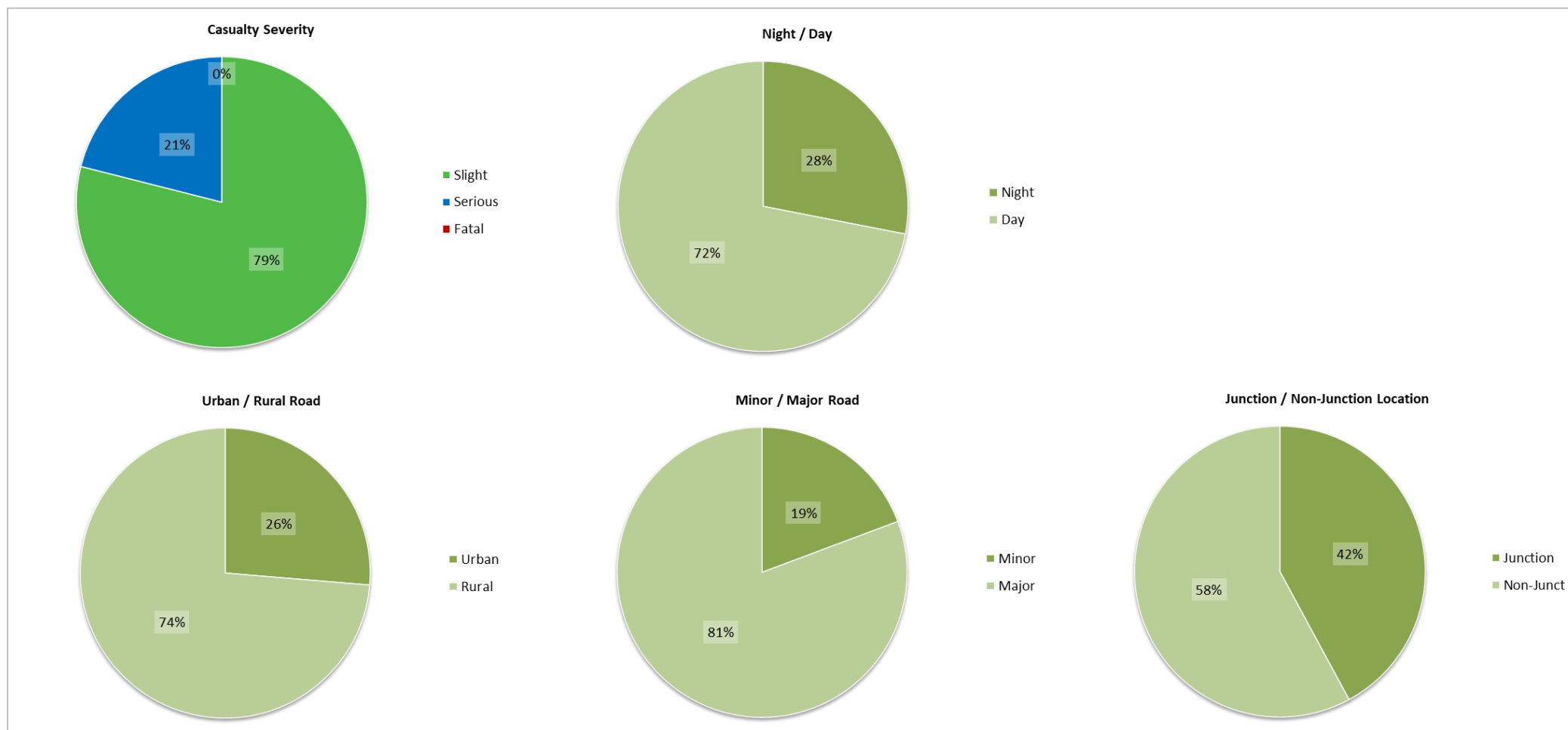


Chart 7.5. Total bus occupant casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

Chart 7.6. Total goods vehicle occupant casualty analysis 2021.



- Casualty severity – the proportion of casualties that were either ‘fatal’, ‘serious’ or ‘slight’.
- Urban / Rural road – the proportion of casualties that occurred on either an ‘urban’ (speed limit of 40mph or under) or ‘rural’ (over 40mph) road.
- Junction / Non-junction location – the proportion of casualties that occurred at or within 20m of a junction (Inc. roundabouts) or not.
- Night / Day – the proportion of casualties occurred during daylight hours or darkness.
- Minor / Major road – the proportion of casualties that occurred on either a ‘minor’ (‘C’ roads or ‘unclassified’ roads) or ‘major’ (Inc. Motorways, ‘A’ roads & ‘B’ roads) road.

8 – Annual Traffic Flows.

The charts found in this section compare the annual volume of traffic on major roads for selected road users with the total for all traffic in Oxfordshire since 2000, including the latest data from 2020. The charts are based on street-level traffic data for Oxfordshire collected through a range of methods.

AADF - Annual average daily flow

- AADF figures give the number of vehicles that will drive on that stretch of road on an average day of the year. For information on how AADFs are calculated, see the guidance on the Traffic Statistics pages at: <https://roadtraffic.dft.gov.uk>
- AADF figures are presented as: Units = vehicles per day

Data Disclaimer:

DfT’s traffic estimates for individual road links and small areas are less robust, as they are not always based on up-to-date counts made at these locations. Where other more up-to-date sources of traffic data are available (e.g. from local highways authorities), this may provide a more accurate estimate of traffic at these locations.

DfT’s road link level traffic estimates are calculated using a variety of methods, with some methods likely to produce more accurate estimates than others.

Chart 8.1. Total pedal-cycle & total traffic flow (Average annual daily flow) by year 2000 to 2021.

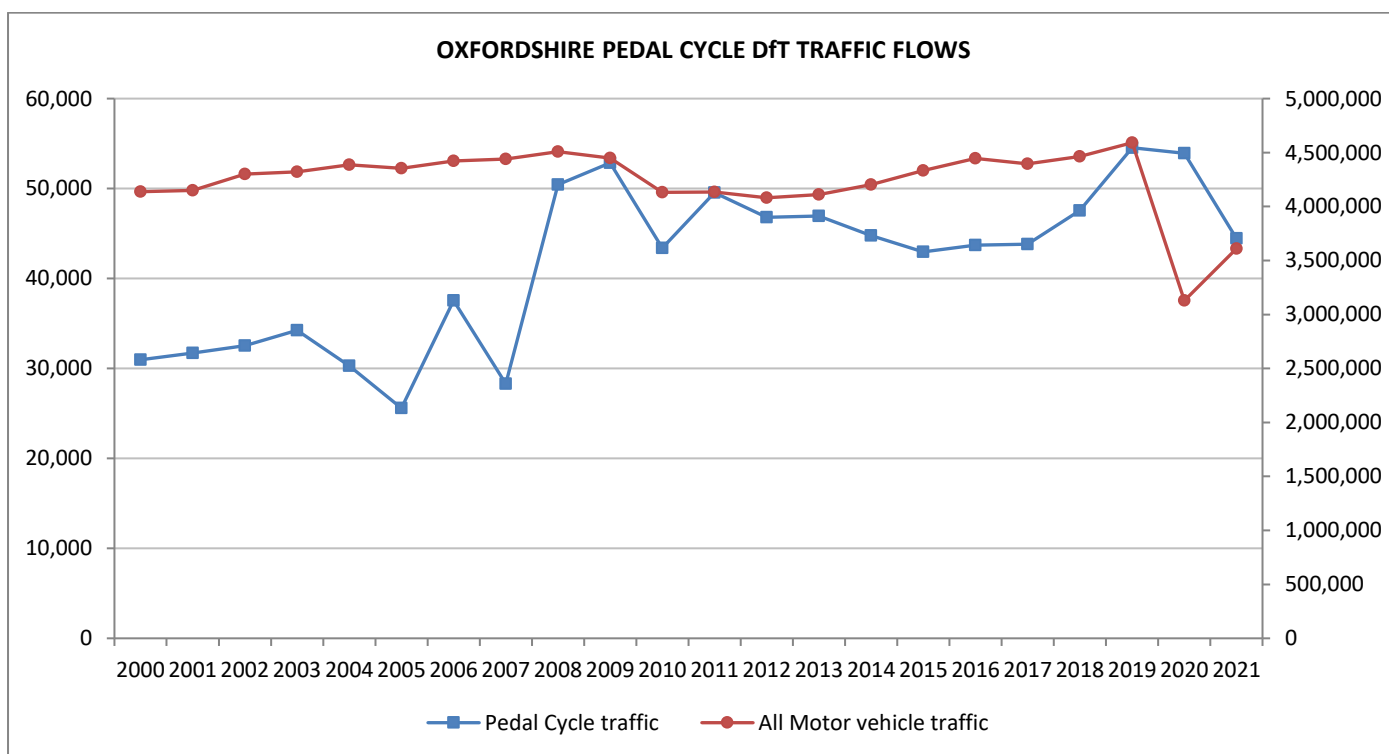


Chart 8.2. Total motor cycle & total traffic flow (Average annual daily flow) by year 2000 to 2021.

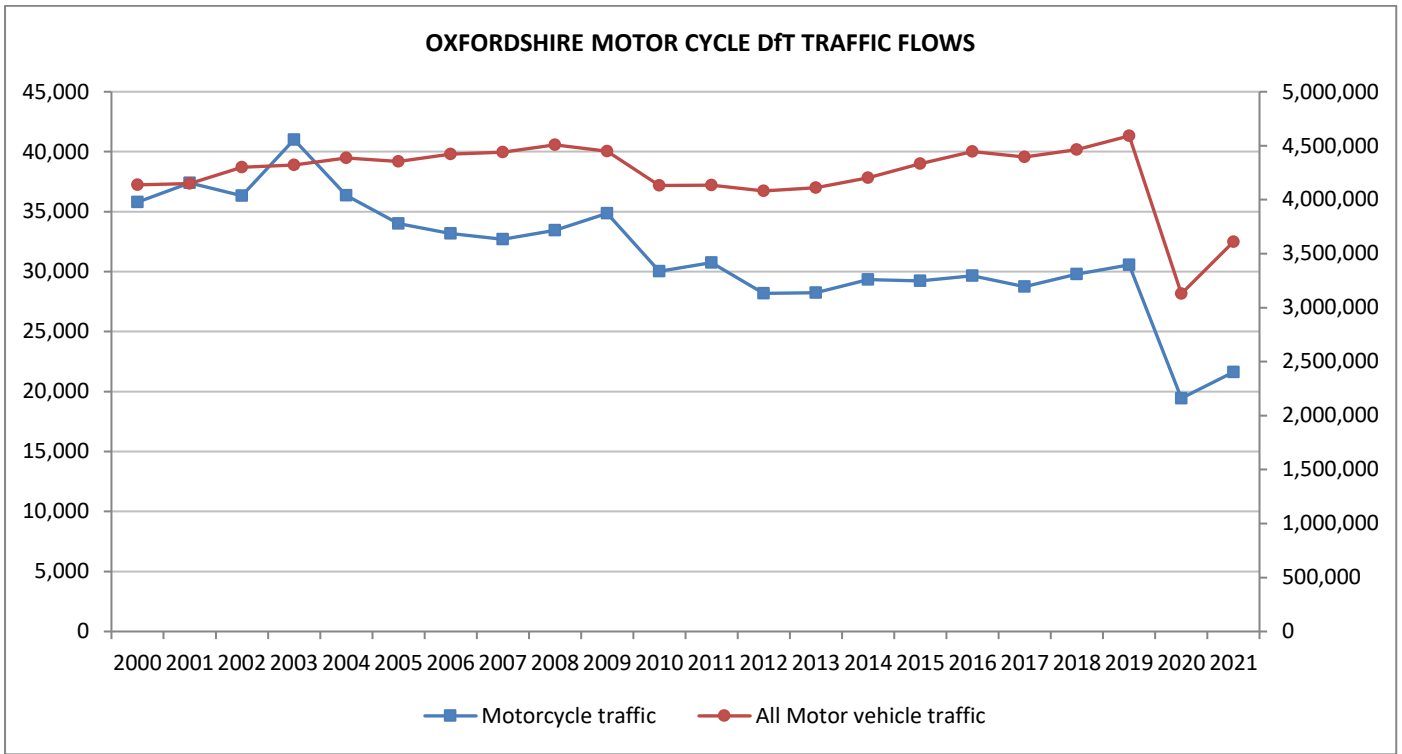


Chart 8.3. Total car and taxi & total traffic flow (Average annual daily flow) by year 2000 to 2021.

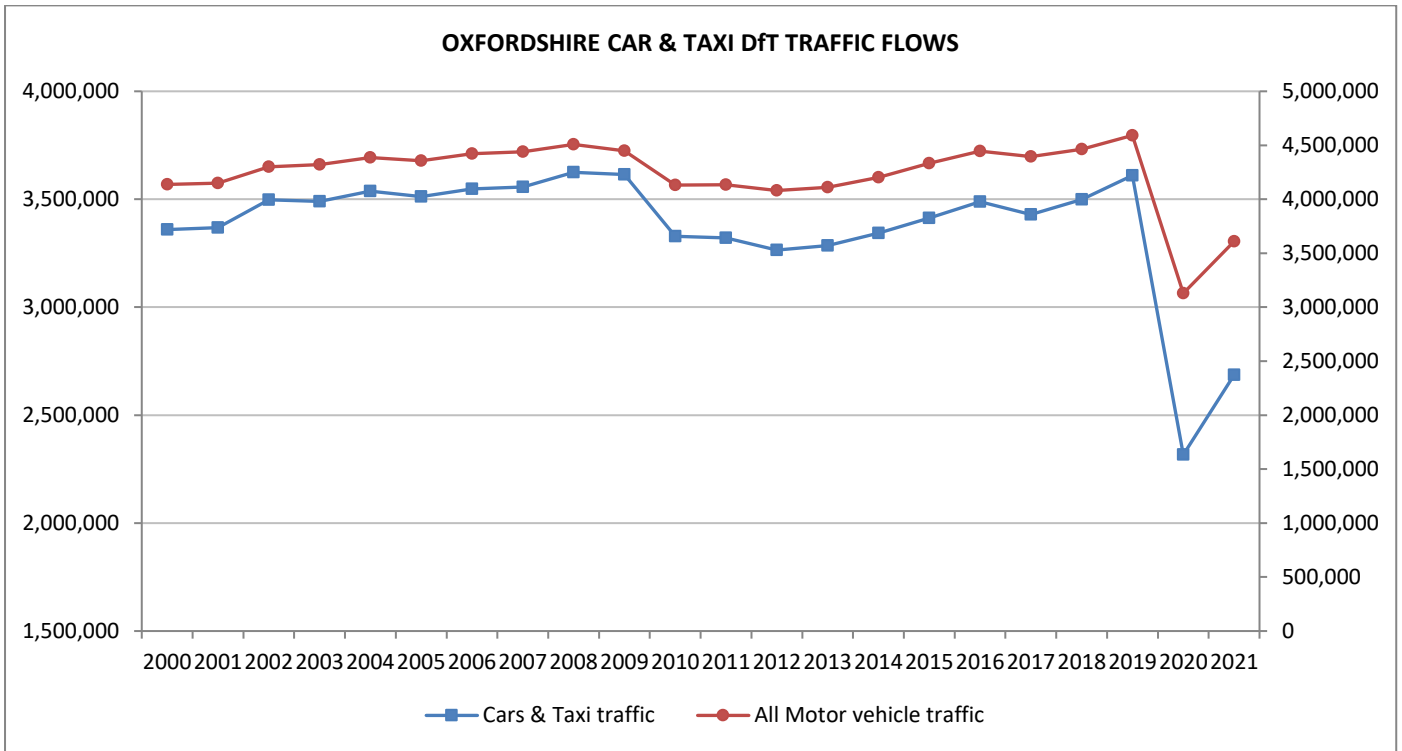


Chart 8.4. Total bus and coach & total traffic flow (Average annual daily flow) by year 2000 to 2021.

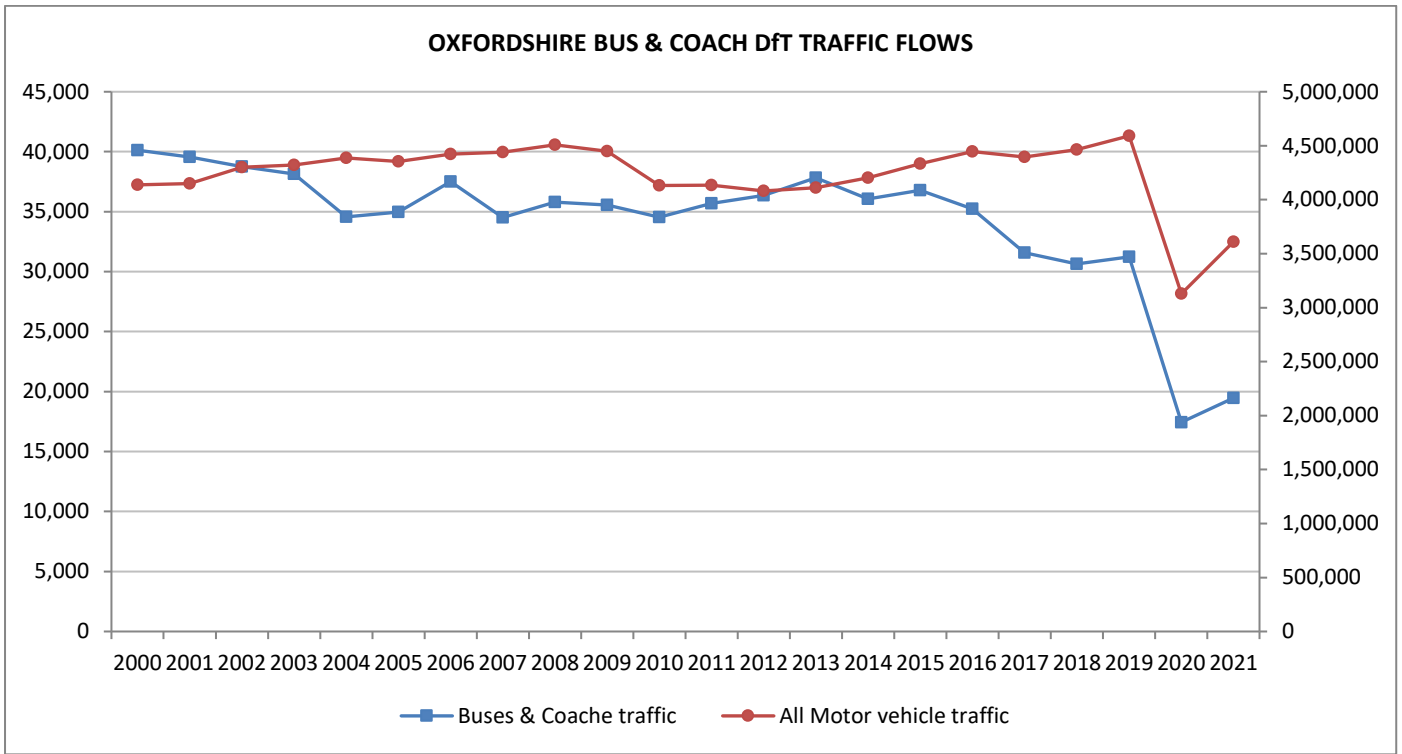
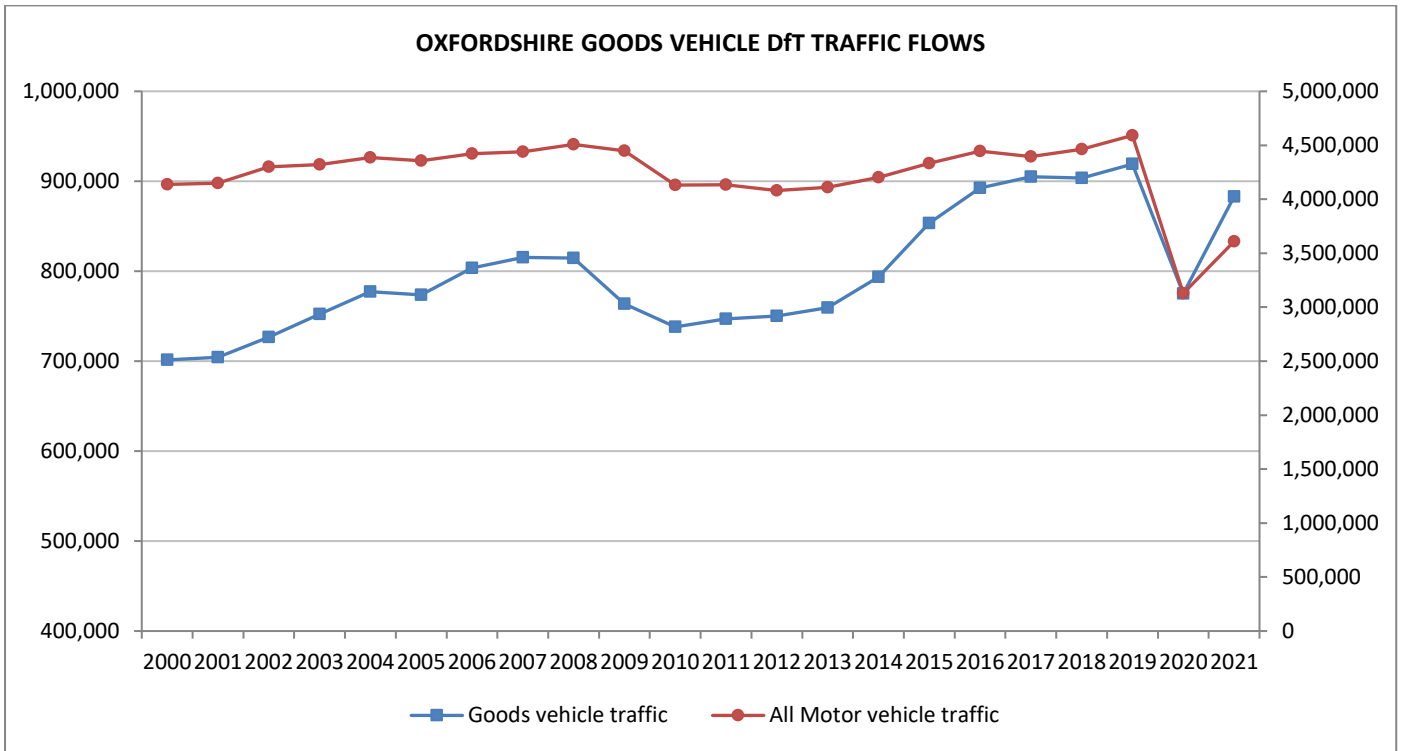


Chart 8.5. Total goods vehicle & total traffic flow (Average annual daily flow) by year 2000 to 2021.



For further information on road traffic counts please visit the following page on DfT website:
<https://roadtraffic.dft.gov.uk>

9 – District Casualty Summary.

The tables and charts found in this section show the numbers of road deaths and injuries sustained by all road users in Oxfordshire in the separate districts since 2000, including the latest complete years data from 2021.

Table 9.1 & Chart 9.1. Long term **total** casualty trends 2000 to 2021 by District.

District	00-04 avg	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cherwell	754	742	752	707	623	599	642	623	531	547	589	587	520	477	377	375	272	240
Oxford	622	565	556	520	519	438	441	463	479	406	530	461	451	377	336	348	226	267
South Oxfordshire	695	589	654	568	510	500	476	517	469	401	362	446	403	284	264	268	212	197
Vale White Horse	612	544	530	484	441	389	396	398	370	316	383	365	364	324	285	244	211	188
West Oxfordshire	470	419	443	373	326	342	288	305	315	294	337	285	318	243	257	162	161	159
Total	3153	2859	2935	2652	2419	2268	2243	2306	2164	1964	2201	2144	2056	1705	1519	1397	1082	1051

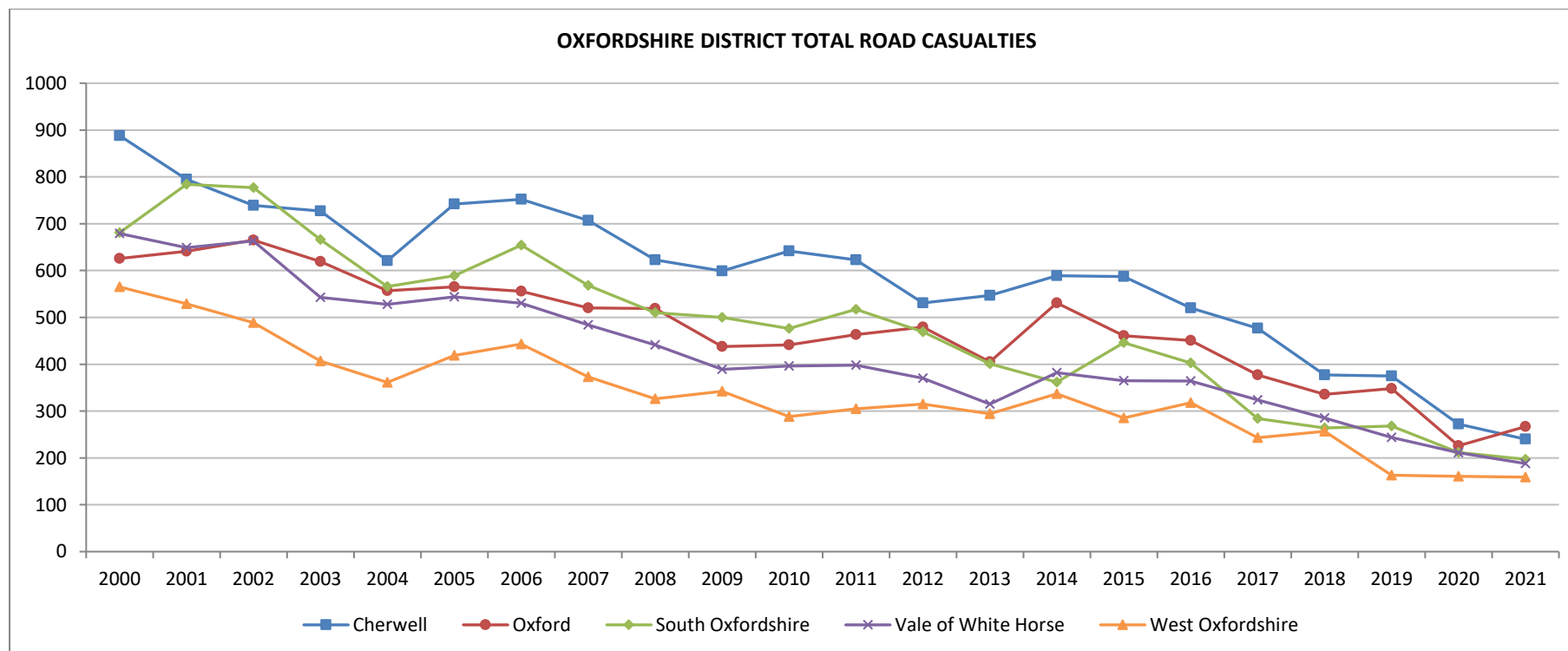


Table 9.2. **Cherwell** District casualties by road user group & severity 2021.

Severity	Age Group	Pedestrian	Pedal cycle	Motor cycle	Car	Bus or Coach	Goods Veh.	Other	Total
Fatal	Child	0	0	0	0	0	0	0	0
	Adult	0	0	0	4	0	0	0	4
	Total	0	0	0	4	0	0	0	4
Serious	Child	0	1	0	1	0	0	0	2
	Adult	2	6	12	22	0	5	2	49
	Total	2	7	12	23	0	5	2	51
Slight	Child	5	4	0	5	0	0	0	14
	Adult	7	17	16	115	1	14	1	171
	Total	12	21	16	120	1	14	1	185
Total	Child	5	5	0	6	0	0	0	16
	Adult	9	23	28	141	1	19	3	224
	All	14	28	28	147	1	19	3	240

Table 9.3. **Oxford City** District casualties by road user group & severity 2021.

Severity	Age Group	Pedestrian	Pedal cycle	PTW	Car	Bus	Goods Veh.	Other	Total
Fatal	Child	0	0	0	0	0	0	0	0
	Adult	0	2	0	0	0	0	0	2
	Total	0	2	0	0	0	0	0	2
Serious	Child	5	5	0	0	0	0	0	10
	Adult	11	13	14	3	0	0	0	41
	Total	16	18	14	3	0	0	0	51
Slight	Child	3	7	0	3	0	0	0	13
	Adult	19	85	28	58	1	5	5	201
	Total	22	92	28	61	1	5	5	214
Total	Child	8	12	0	3	0	0	0	23
	Adult	30	100	42	61	1	5	5	244
	All	38	112	42	64	1	5	5	267

Table 9.4. South Oxfordshire District casualties by road user group & severity 2021.

Severity	Age Group	Pedestrian	Pedal cycle	PTW	Car	Bus	Goods Veh.	Other	Total
Fatal	Child	0	0	0	0	0	0	0	0
	Adult	1	2	1	2	0	0	0	6
	Total	1	2	1	2	0	0	0	6
Serious	Child	1	0	0	4	0	0	0	5
	Adult	5	8	8	21	0	2	0	44
	Total	6	8	8	25	0	2	0	49
Slight	Child	3	3	0	7	0	0	0	13
	Adult	6	23	10	85	1	3	1	129
	Total	9	26	10	92	1	3	1	142
Total	Child	4	3	0	11	0	0	0	18
	Adult	12	33	19	108	1	5	1	179
	All	16	36	19	119	1	5	1	197

Table 9.5. Vale of White Horse District casualties by road user group & severity 2021.

Severity	Age Group	Pedestrian	Pedal cycle	PTW	Car	Bus	Goods Veh.	Other	Total
Fatal	Child	0	0	0	0	0	0	0	0
	Adult	0	0	1	2	0	0	0	3
	Total	0	0	1	2	0	0	0	3
Serious	Child	0	1	0	0	0	0	0	1
	Adult	4	7	15	13	0	1	0	40
	Total	4	8	15	13	0	1	0	41
Slight	Child	7	3	0	5	0	0	0	15
	Adult	3	21	11	78	0	15	1	129
	Total	10	24	11	83	0	15	1	144
Total	Child	7	4	0	5	0	0	0	16
	Adult	7	28	27	93	0	16	1	172
	All	14	32	27	98	0	16	1	188

Table 9.6. West Oxfordshire District casualties by road user group & severity 2021.

Severity	Age Group	Pedestrian	Pedal cycle	PTW	Car	Bus	Goods Veh.	Other	Total
Fatal	Child	0	0	0	0	0	0	0	0
	Adult	0	0	0	3	0	0	0	3
	Total	0	0	0	3	0	0	0	3
Serious	Child	0	0	0	1	0	0	0	1
	Adult	2	7	5	14	0	4	0	32
	Total	2	7	5	15	0	4	0	33
Slight	Child	2	5	0	4	0	0	0	11
	Adult	5	14	13	68	1	8	3	112
	Total	7	19	13	72	1	8	3	123
Total	Child	2	5	0	5	0	0	0	12
	Adult	7	21	18	85	1	12	3	147
	All	9	26	18	90	1	12	3	159

Chart 9.2. Total District casualty analysis 2021.

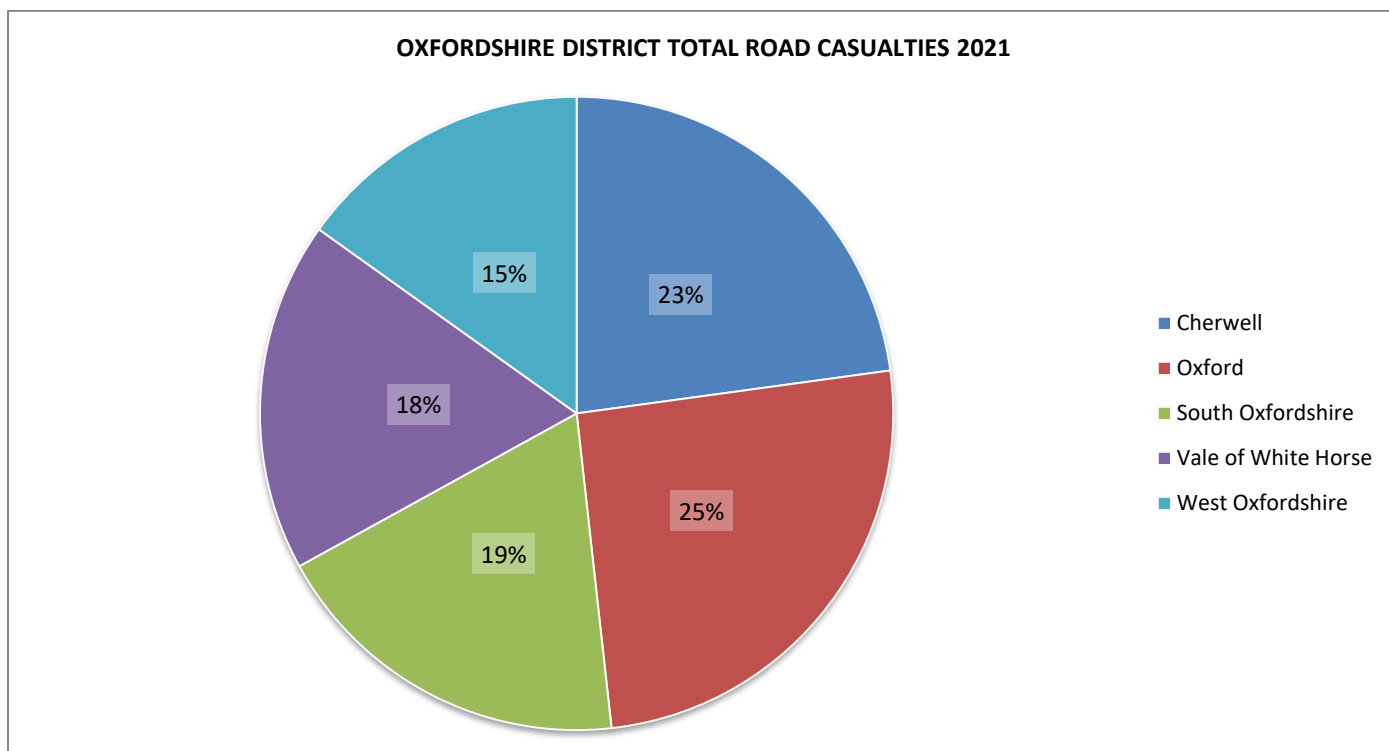


Chart 9.3. District road user-group casualty analysis 2021.

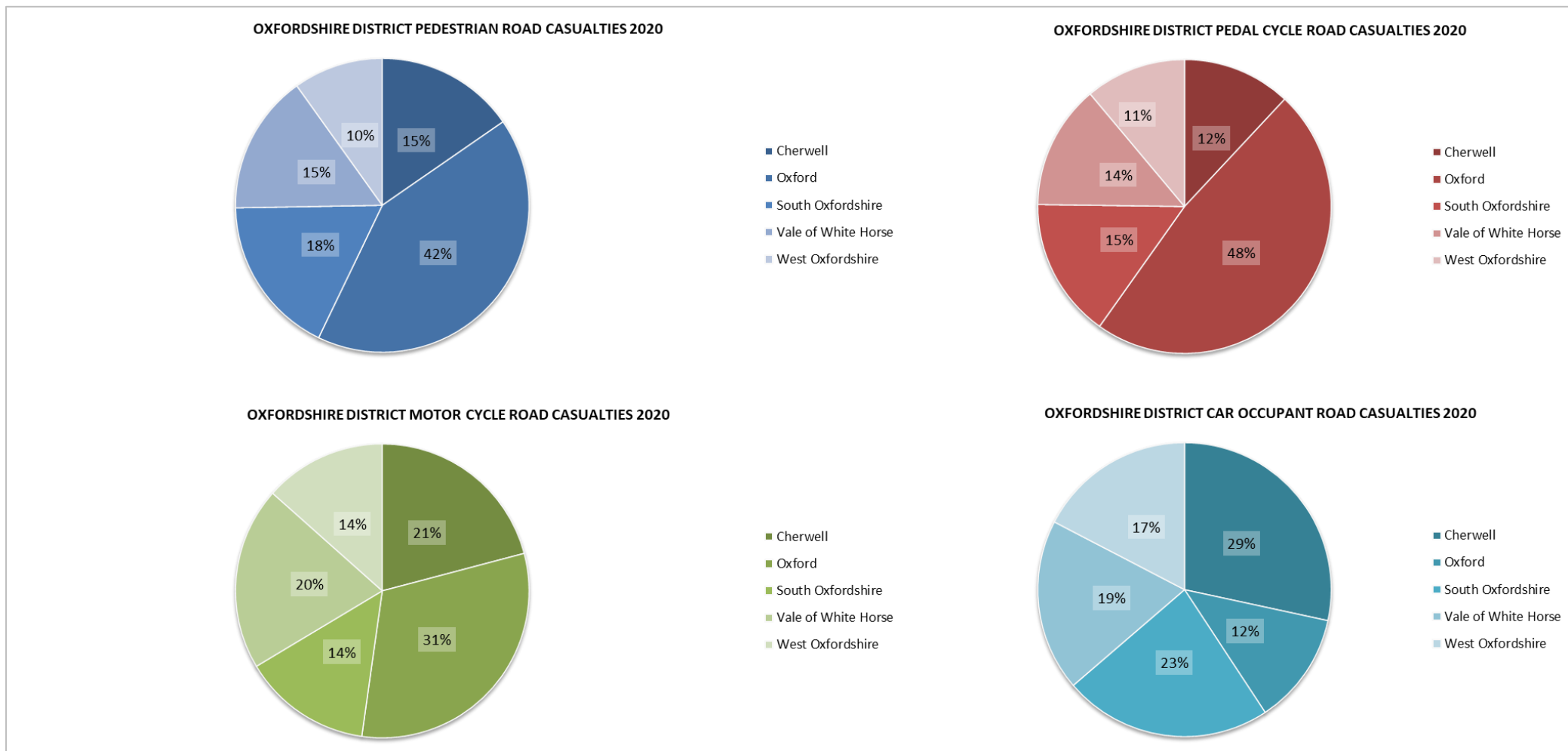


Chart 9.4. Cherwell & West Oxfordshire District road user-group casualty analysis 2021.

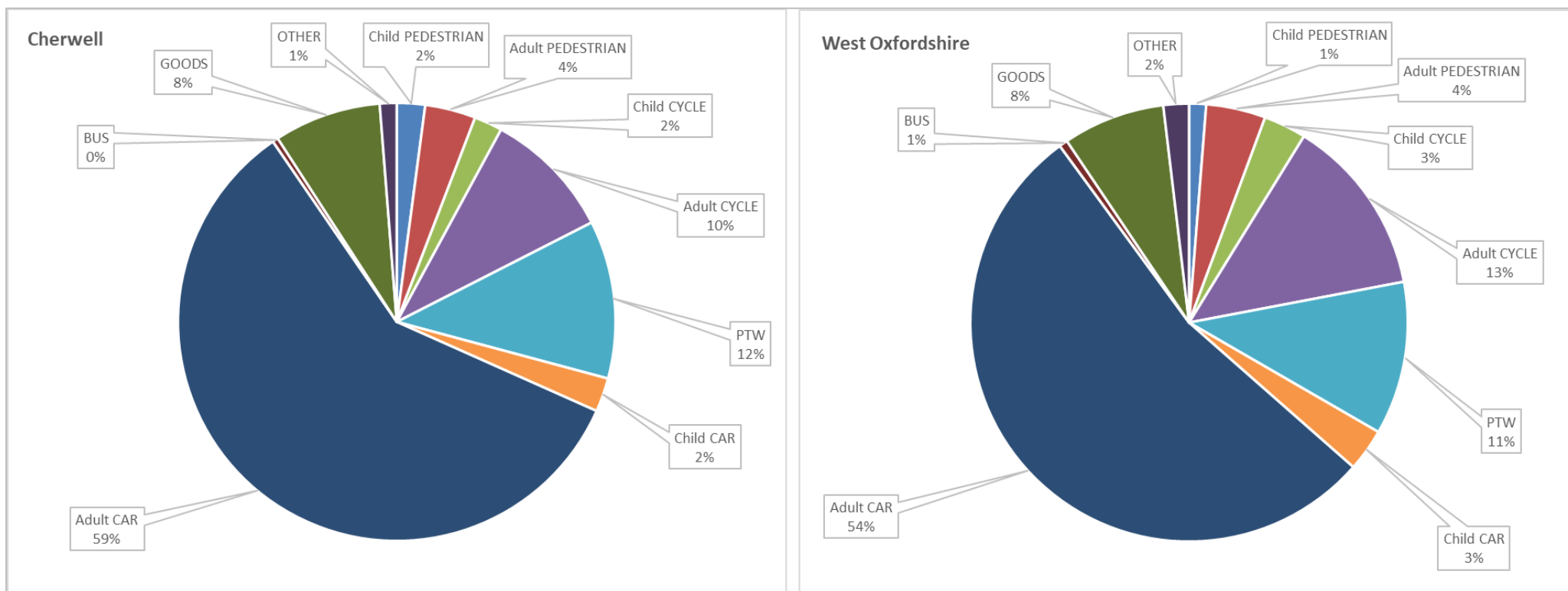


Chart 9.5. South Oxfordshire & Vale of White Horse District road user-group casualty analysis 2021.

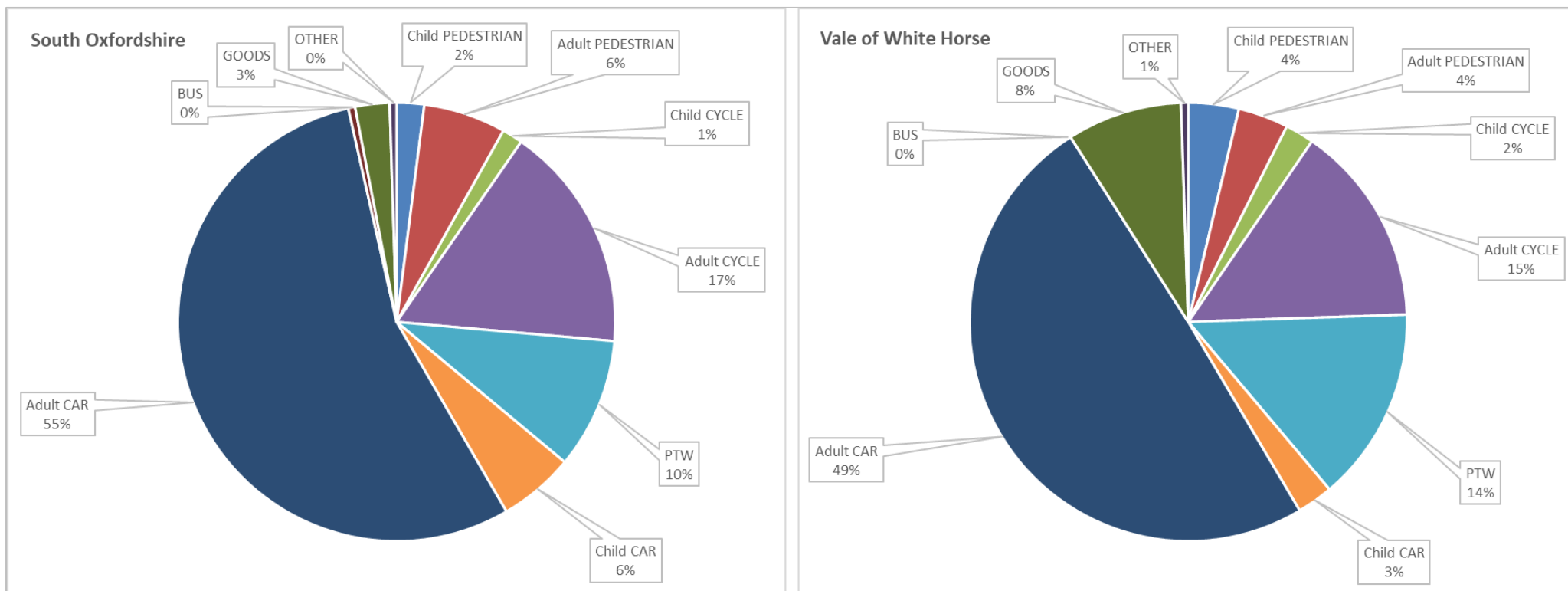
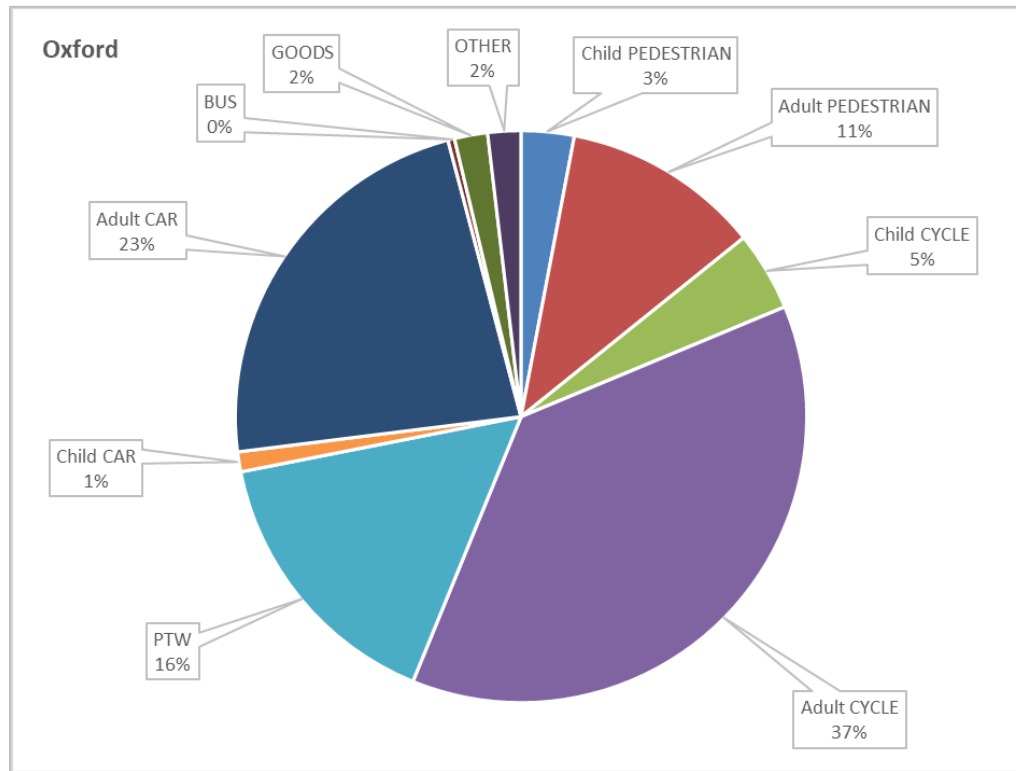
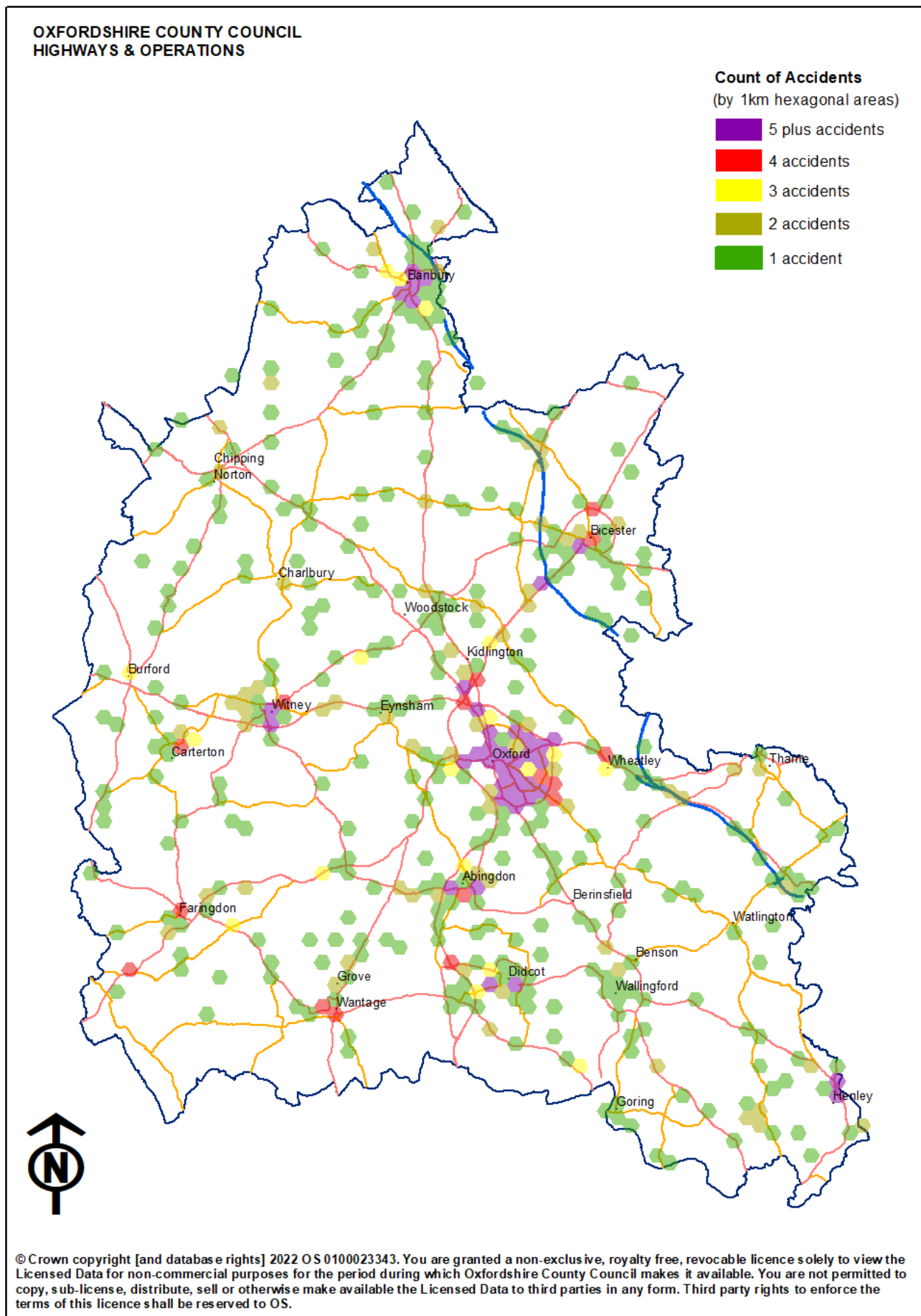


Chart 9.6. Oxford City District road user-group casualty analysis 2021.



10 – Accident Location Plan.

Map 10.1. 2021 Accident locations by 1km hexagonal areas.



11 – TVP & NHS Data Comparison.

The administrative data used within this section comes from the Oxfordshire hospital systems which records for people whether they were involved in a road traffic accident.

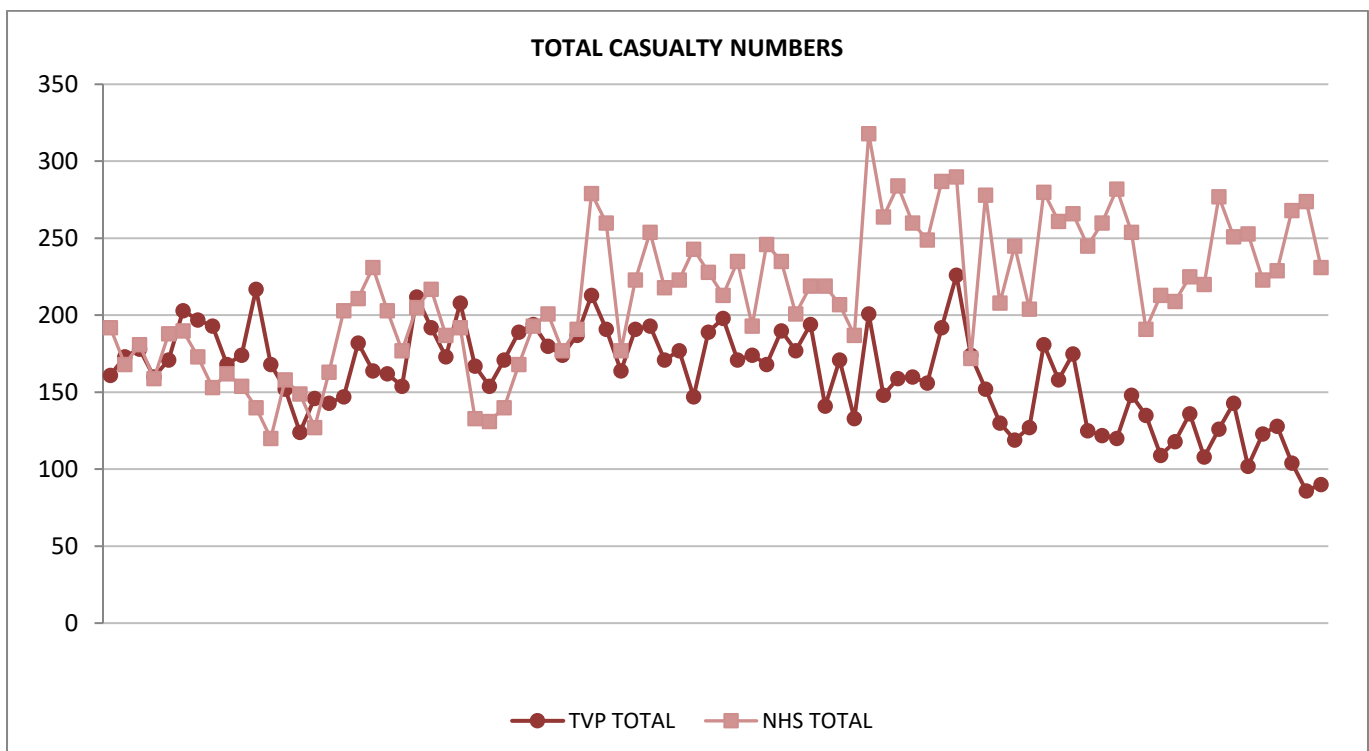
Comparisons of road accident reports with death registrations show that very few, if any, road accident fatalities are not reported by the police. However, it has long been known that a considerable proportion of non-fatal casualties are not known to the police, as hospital, survey and compensation claims data all indicate a higher number of casualties than police accident data would suggest.

Overall, this range of sources does not provide exact estimates of either the absolute number of casualties, nor does it provide a definitive assessment of the trends. However, it does give a clear indication that the police reported road casualty data is only a subset of all road casualties.

The data used as the basis for these statistics are therefore not a complete record of all personal injury road accidents, and this should be borne in mind when using and analysing the figures. Furthermore, police data on road accidents, whilst not perfect, remain the most detailed, complete and reliable single source of information on road casualties covering the whole of Great Britain, in particular for monitoring trends over time.

(taken from: Reported road casualties in Great Britain: 2017 annual report)

Chart 11.1. Thames Valley Police & NHS emergency figures total casualty data comparison (Jan 2012 – Dec 2018).



12 – The impact of the Coronavirus pandemic.

The coronavirus pandemic and associated travel restrictions affected road safety in 2020.

Table 12.1. Key dates during the coronavirus pandemic 2020

Date	Change to restrictions
23rd March 2020	UK enters first national lockdown
4th July 2020	UK implements first local lockdown
14th October 2020	England introduces 3 tier system
23rd October 2020	Wales introduces fire-break lockdown, ends 9 Nov
2nd November 2020	Scotland introduces 5 tier system
5th November 2020	England enters second national lockdown, ends 2 Dec
19th December 2020	Tier 4 introduced for London, South East and East of England
20th December 2020	Wales enters third national lockdown
26th December 2020	Large parts of England enter tier 4

Key National Headlines:

- Road casualties decreased in line with road traffic and national lockdowns
- Reductions of fatalities in Great Britain followed a similar pattern to the European Union
- Smaller reductions in fatalities than all casualties
- Greater reductions in pedestrian and car occupant casualties
- Fatality trends also differed by road user type
- Pedal cycle fatalities and cycle traffic both increased during lockdowns
- Female casualties saw a greater decrease, compared to males
- Children and over 60s had greater reductions in casualties over the year
- Roads with a speed limit of 70 mph saw a greater decrease in casualties

13 – Average Value of Casualty Prevention.

The tables and information found in this section relate to the latest available DfT derived values for the prevention of casualties sustained in road accidents. The values are calculated using a “willingness to pay” approach, which in its broadest sense is the maximum amount a person would be willing to pay, sacrifice or exchange in order to avoid something undesired occurring. The tables below include an amount to reflect not only the associated medical costs, but also the pain, grief and suffering of those involved as well as any lost economic output.

It is estimated that Nationally, the total value of prevention of unreported injury accidents at around £19bn a year, the value of damage-only accidents at around £5bn a year and the total value of prevention of reported injury accidents at around £12bn a year. This gives a total estimate for all reported and unreported accidents of around £35bn per year.

Table 13.1. 2020 Average value of **prevention** per reported casualty and per reported road accident (costs are based on 2010 prices and 2020 values).

Casualty Severity	Casualty related costs ¹	Accident related costs ²	Total
Fatal	£1,787,448	£27,504	£1,814,952
Serious	£201,699	£6,828	£208,527
Slight	£17,871	£3,376	£21,247
<i>Average (all)</i>	<i>£79,500</i>	<i>£4,405</i>	<i>£83,905</i>
<i>Damage only</i>	<i>n/a</i>	<i>£1,854</i>	<i>£1,854</i>

1 – includes: Lost output, and Medical & ambulance costs.

2 – includes: Police costs, damage to property & insurance/admin costs.

Table 13.2. 2020 Average value of **prevention** per road casualty by class of road user (costs are based on 2010 prices and 2020 values).

Road User	Average Value*
Pedestrian	£93,810
Pedal cyclist	£60,374
Bus & coach occupants	£42,294
Goods vehicle occupants	£57,739
Car & taxi occupants	£46,152
Motorised two-wheeler rider & passengers	£102,078
<i>All motor vehicle users</i>	<i>£54,580</i>
<i>Average, all road users</i>	<i>£60,981</i>

It is **important** to note that the estimates shown above are primarily for the use in the appraisal of new road schemes (i.e. the potential savings of doing ‘x’ or ‘y’) and must therefore be carefully applied when being used in other contexts. They are shown here to simply highlight the possible economic consequences.

The valuation of accidents was last updated in October 2019. General introductory information on the role of transport modelling and appraisal, and how the transport appraisal process supports the development of investment decisions can be found here:

Help: <https://forms.dft.gov.uk/contact-webtag/>

A – Contact Details.

For further information on road traffic accident data OR road safety engineering measures please contact us through one of the following:

Tel. 0345 310 11 11

Post. Oxfordshire County Council
Traffic & Road Safety
Environment & Place
County Hall
New Road
Oxford
OX1 1ND

Web. <https://www.oxfordshire.gov.uk/residents/roads-and-transport/road-safety>

B – Useful Internet Resources.

Oxfordshire County Council:

www.oxfordshire.gov.uk

Oxfordshire Street Maintenance:

<https://www.oxfordshire.gov.uk/residents/roads-and-transport/street-maintenance-z>

Thames Valley Police:

www.thamesvalley.police.uk

OCC Fire & Rescue:

www.365alive.co.uk

Department for Transport (General):

www.dft.gov.uk

Department for Transport (Road accidents and serious accidents):

<https://www.gov.uk/transport/road-accidents-and-serious-accidents>