



Reported Road Casualties Warwickshire

Annual Report to 31 December 2017

Issue: Draft



*Working for
Warwickshire*

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Contents

1. Introduction	4
2. Charts.....	6
2.1 Warwickshire's Progress in Reducing Casualties	6
2.2 Casualty Trend by Road User Group.....	7
2.3 Casualties by Age and Gender (5 year averages)	8
2.4 Overall Accident Trends	8
2.5(a) Accidents by Road Class (5 year averages)	9
2.5(b) Accidents by Speed Limit (5 year averages)	9
2.6 Accidents by Month (5 year averages)	10
2.7 Accidents by Day of Week (5 year averages)	10
2.8 Accidents by Time of Day (5 year averages)	11
3. Tables	12
3.1 Accident Trends.....	12
3.2 Accidents by Month (5 year averages)	13
3.3 Accidents by Day of Week (5 year averages).....	13
3.4 Accidents by Hour of Day (5 year averages)	14
3.5(a) Accidents by Road Class (5 year averages)	14
3.5(b) Accidents by Speed Limit (5 year averages)	14
3.6(a) Casualty Trends - all severities	15
3.6(b) Casualty Trends - KSI	16
3.7 Breath Tests on Drivers after Accidents	17
Appendix A: Definitions	18

1. Introduction

This is the 2017 edition of “*Reported Road Casualties Warwickshire*”. The document presents summary statistics about reported personal injury road accidents in Warwickshire and the associated casualties.

Road collision and casualty data is analysed in detail by Warwickshire County Council and partners to inform and prioritise road safety activity.

1.1. Key Findings from Reported Road Casualties Warwickshire

In 2017 there were a total of 1906 casualties of all severities in road accidents in Warwickshire reported to the police, a 6% reduction compared to 2016. There were 38 people killed, up from 25 in 2016. P2W saw the biggest rise from 2 in 2016 to 9 in 2017. There were 354 people were killed or seriously injured, down from 378 in 2016.

1.2 Viewing the document

Many of the charts and tables in this document show the full range of values (e.g. description plus nine year columns) across the page which limits the text size that can be used. The document is intended to be viewed on screen, when the Zoom facilities of the Adobe Acrobat Reader can be used to enlarge charts and/or text as necessary. If printed on A4 size paper some of the text will be below the minimum size recommended for readability.

1.3 The data

The figures in the charts and tables refer to personal injury accidents on public roads (including footways) which became known to the police. For each of these accidents the police complete a Collision Report Form, coding some fifty data items in accordance with a national standard defined in the DfT “*STATS20 instructions for the completion of road accident reports from non-CRASH sources – 2011 format*” (available from the DfT web page giving [guidance on the road accidents and safety statistics](#)). This document also defines which incidents should not be recorded, these being:

- a) damage-only accidents, defined as those with no human casualties;
- b) accidents which do not become known to the police or which are reported to the police 30 or more days after their occurrence;
- c) accidents taking place on private roads and other private land;
- d) accidents involving confirmed suicides only.

Various national research (see the articles “*Hospital admissions data on road casualties 2011*”, available from the DfT web page [Road accidents and safety statistics](#)) has indicated that there may well be significant under-reporting of accidents. Very few, if any, fatal accidents are likely to be unreported, but the research shows there is non-reporting of serious & slight accidents, non-recording of some accidents reported to the police and police underestimation of the severity of injuries at the scene of the accident. This suggests that the true number of road casualties may be higher

than police data suggests. The police data is however, the most detailed, complete and reliable single source of information on road casualties.

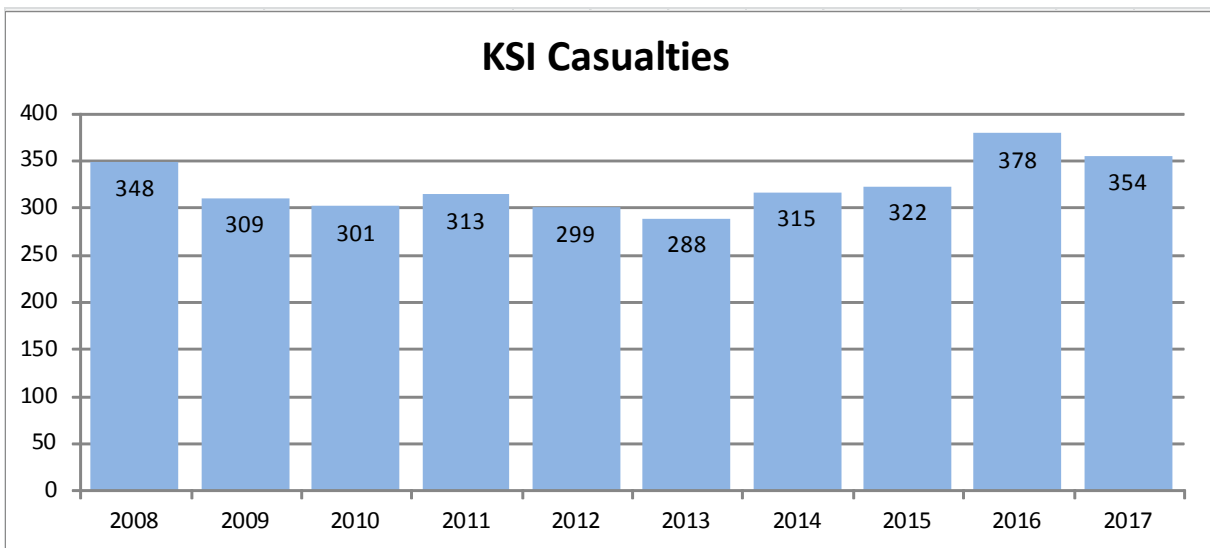
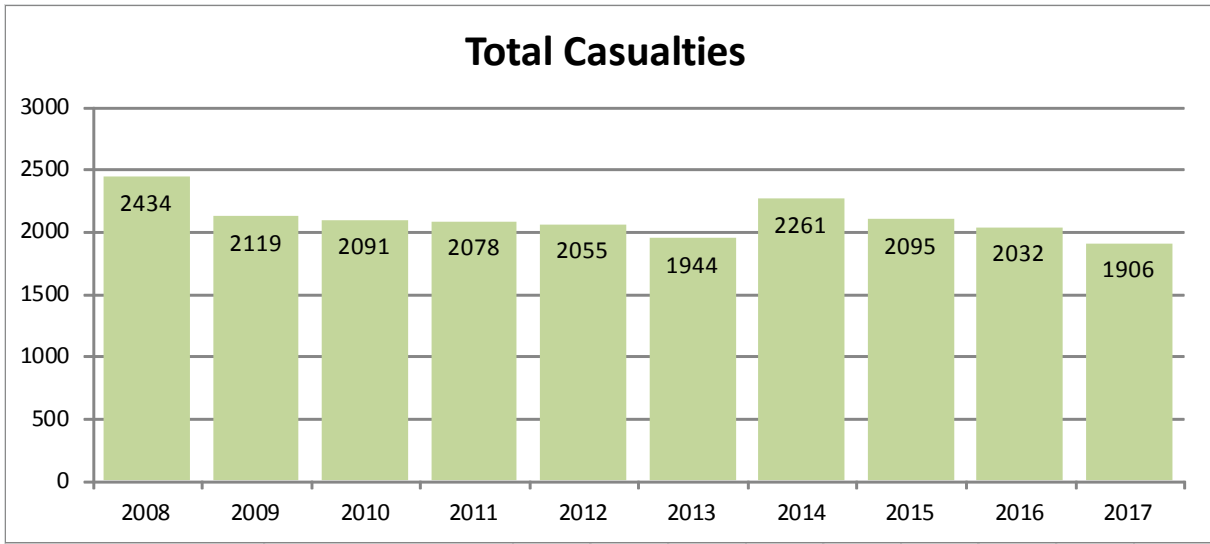
None of the research projects into under reporting provide us with any results that can be applied to Warwickshire.

1.4 Additional notes:

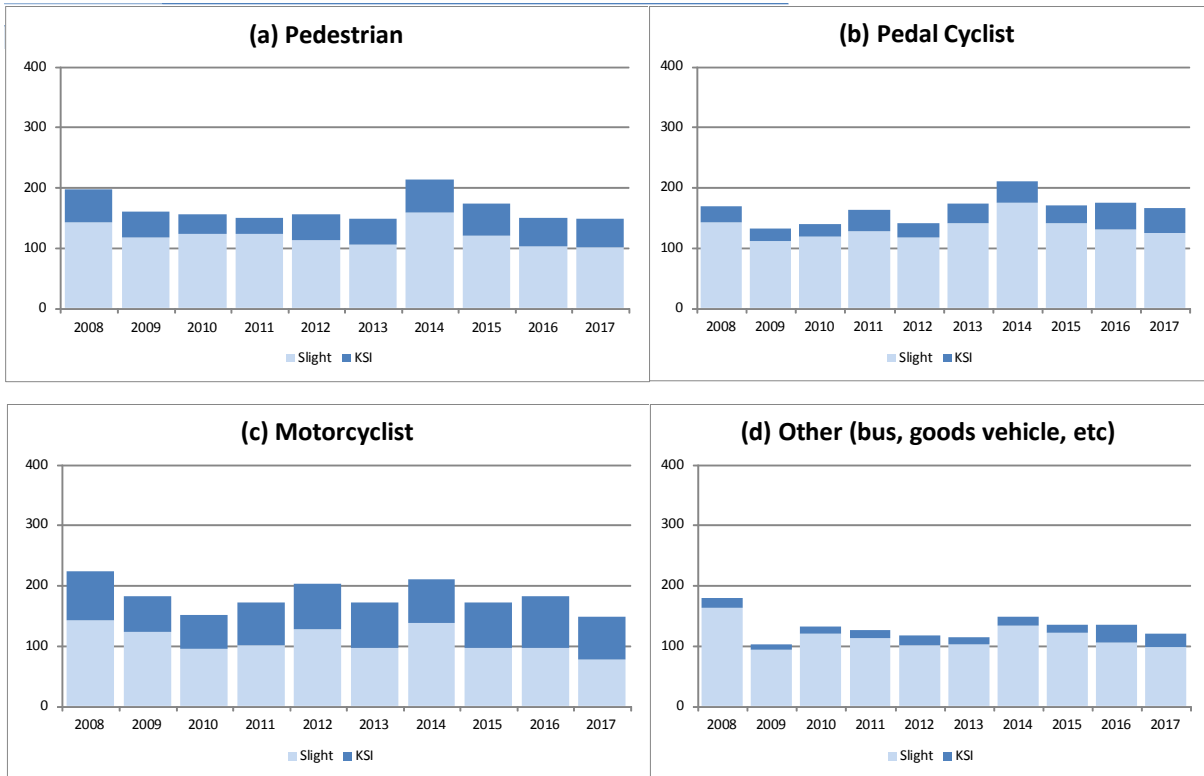
- a) In order to maintain readability of the charts and tables a maximum of 10 years is shown.
- b) This report includes collisions and casualties which occurred on motorways and other trunk roads for which the Highways Agency, rather than the County Council, is the highway authority. In the charts and tables 'trunk roads' is used to mean trunk roads other than motorways and 'A roads' is used to mean A roads other than trunk roads.
- c) Appendix A to this report contains definitions of the main terms used in the charts and tables.
- d) All of the analysis is based on data coded in accordance with the DfT STATS20 document which is updated and changed at approximately five year intervals.
- e) A number of the charts (2.5 to 2.8) provide five year average figures, the total number in five years divided by five in order to give a clear picture of the overall trend in Warwickshire. Comparative data for 2013 is contained within the tables.

2. Charts

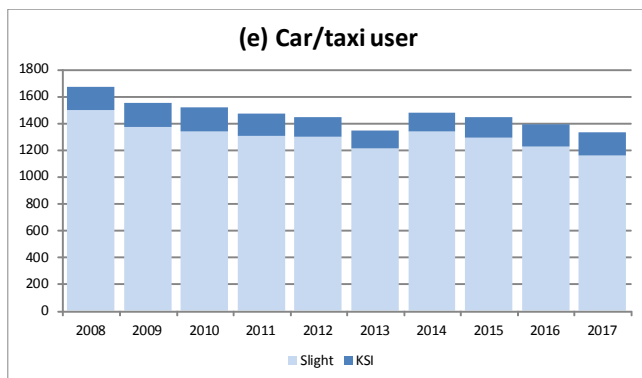
2.1 Warwickshire's Progress in Reducing Casualties



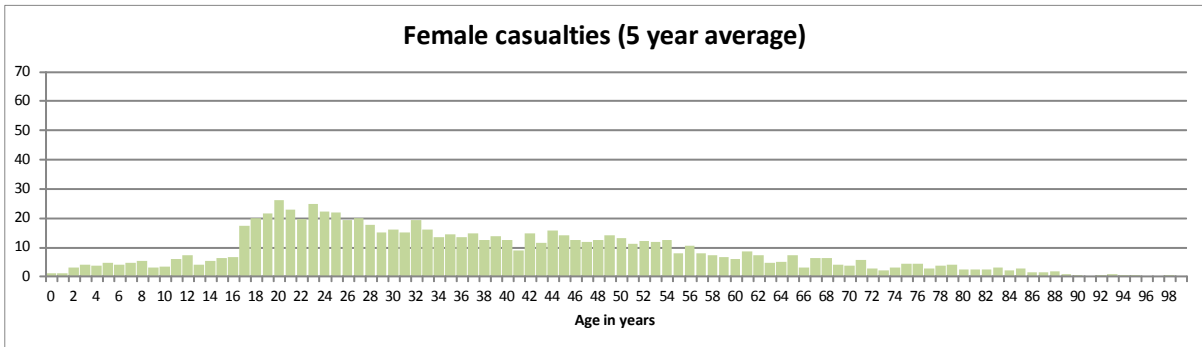
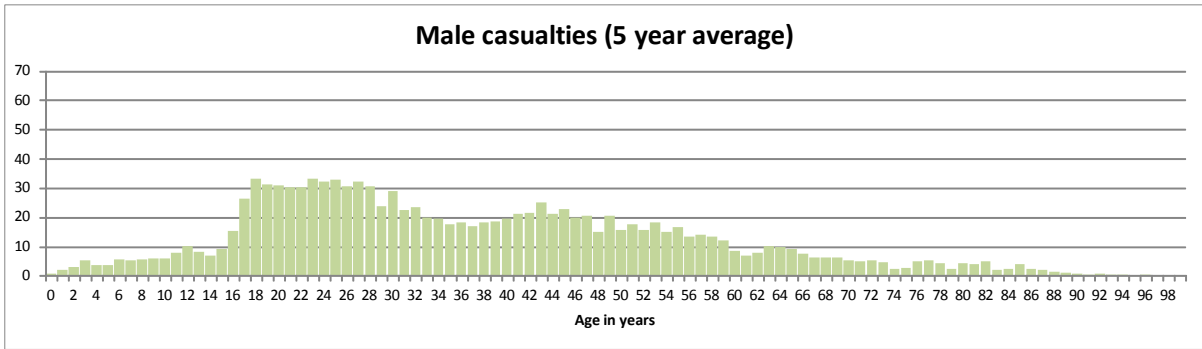
2.2 Casualty Trend by Road User Group



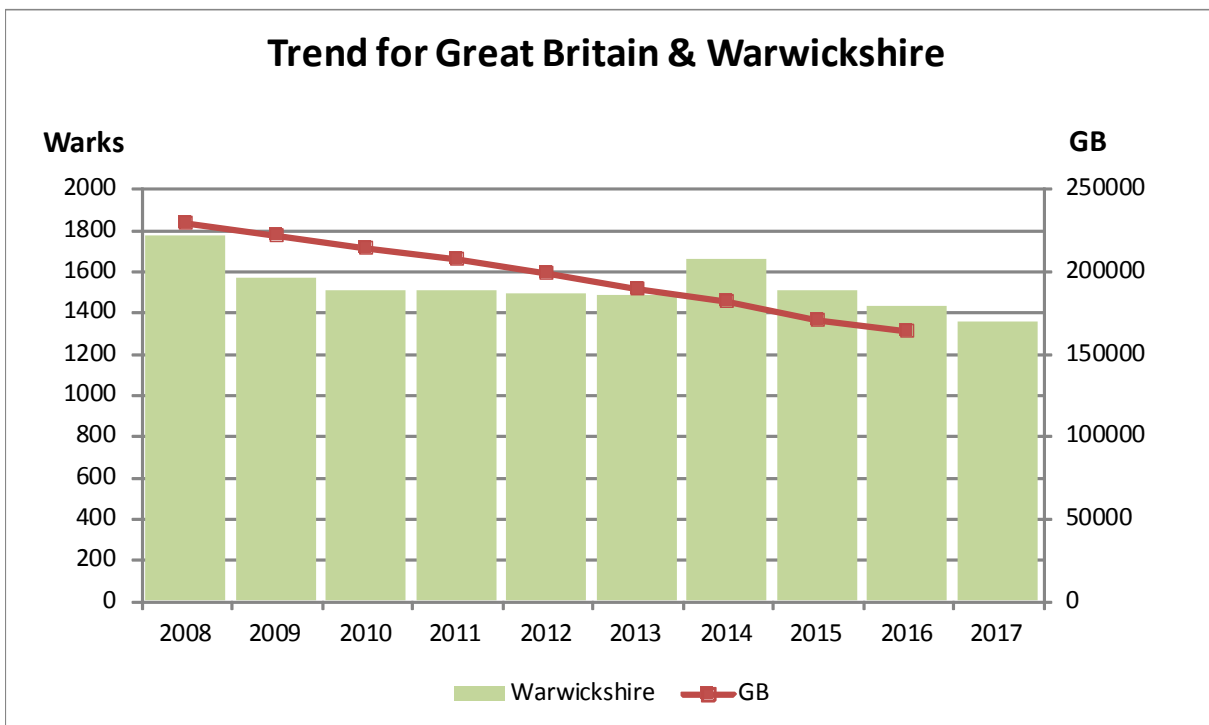
Note that the scale of the vertical axis on the following chart differs from the four above.



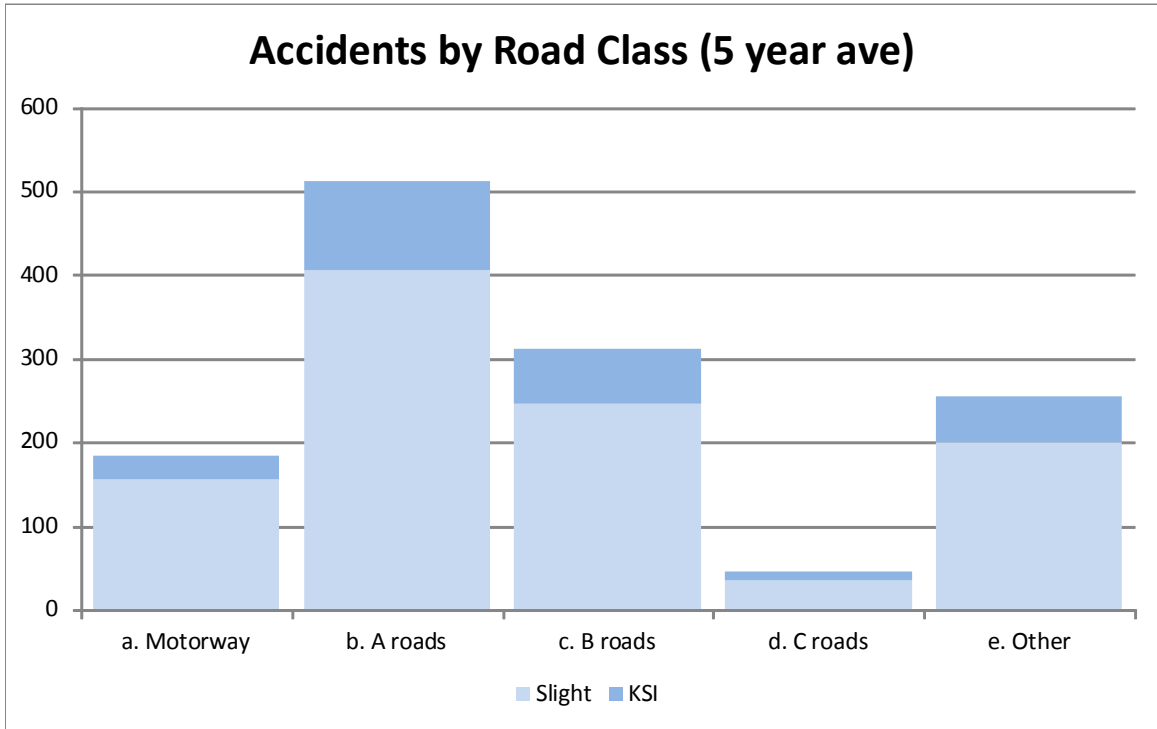
2.3 Casualties by Age and Gender (5 year averages)



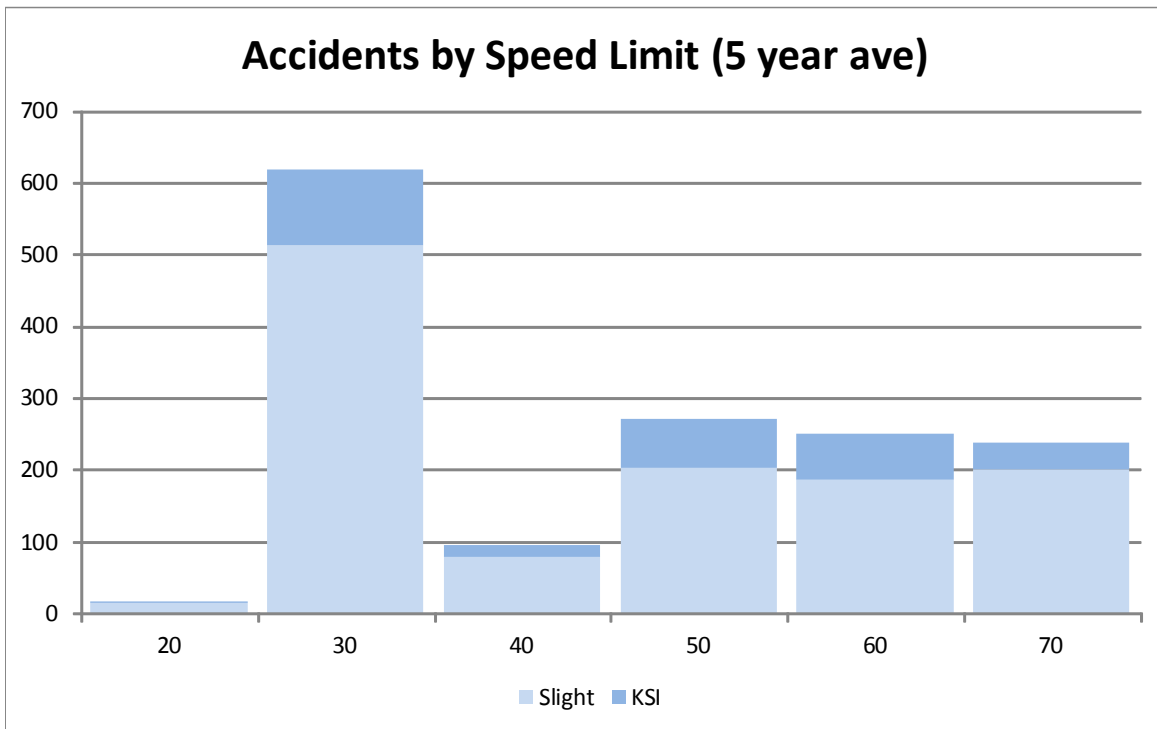
2.4 Overall Accident Trends



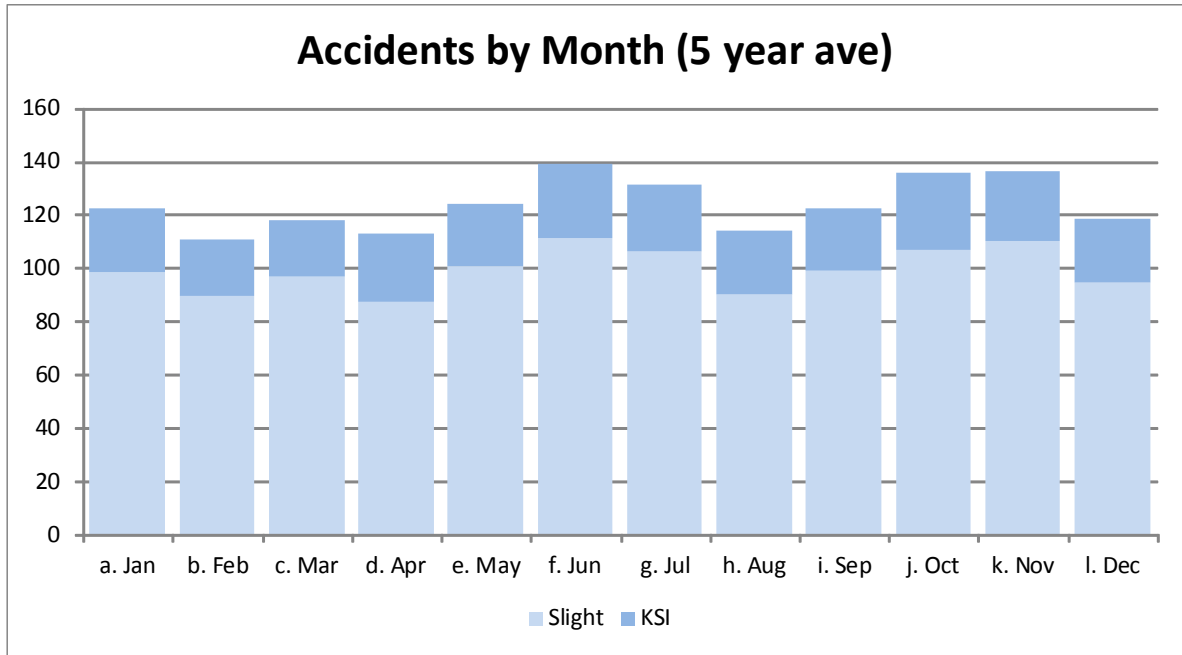
2.5(a) Accidents by Road Class (5 year averages)



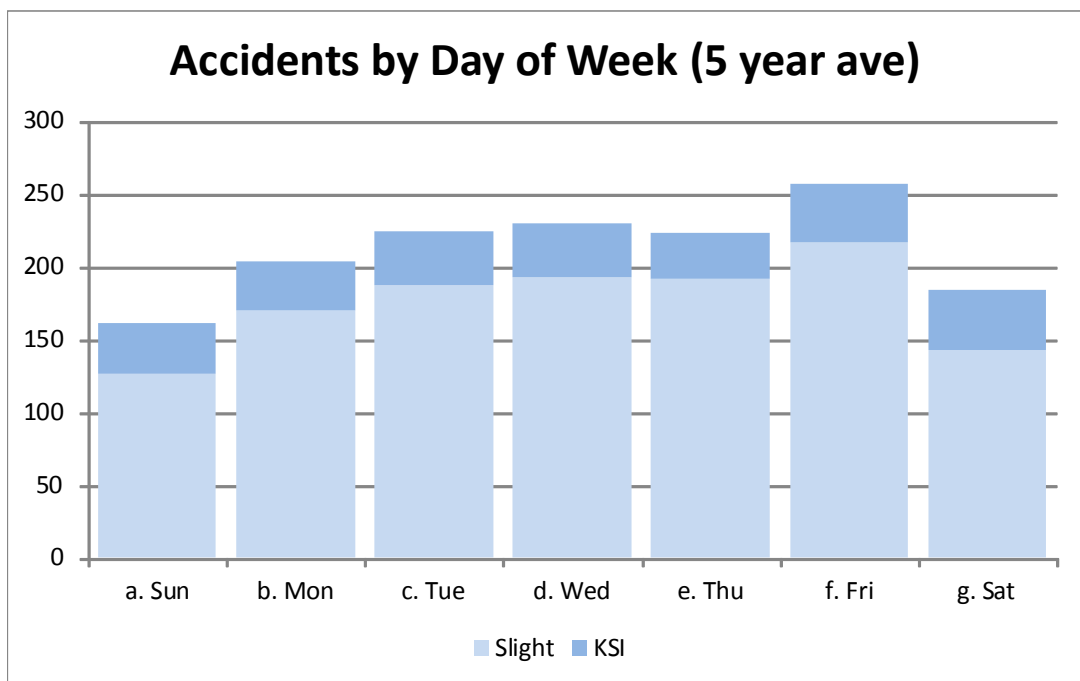
2.5(b) Accidents by Speed Limit (5 year averages)



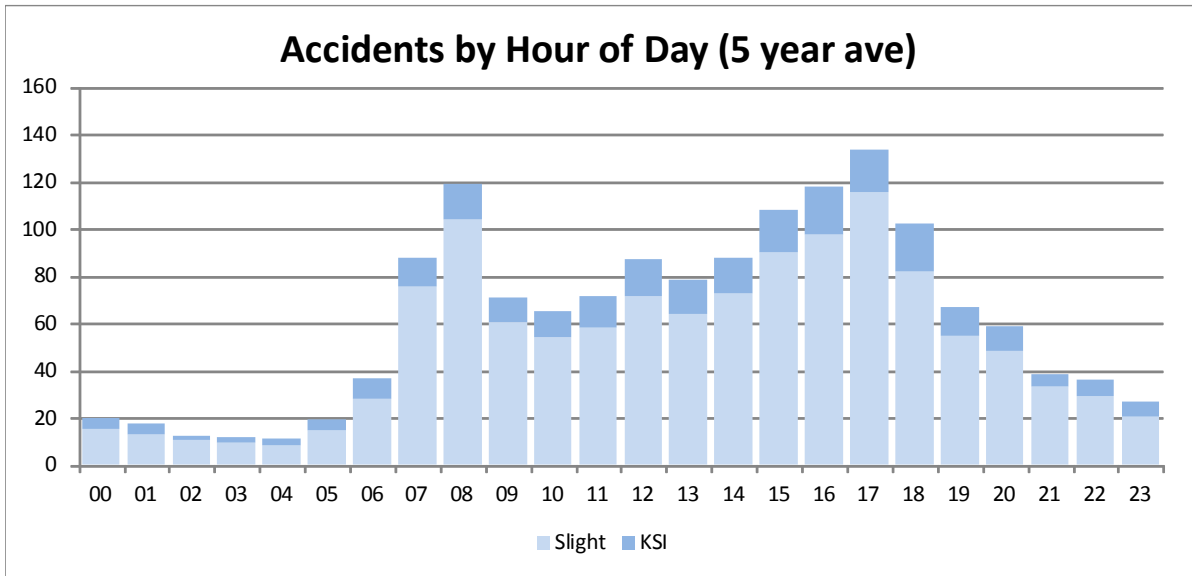
2.6 Accidents by Month (5 year averages)



2.7 Accidents by Day of Week (5 year averages)



2.8 Accidents by Time of Day (5 year averages)



3. Tables

3.1 Accident Trends

(a) Number of Accidents (all severities)										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Great Britain	170591	163554	154414	151474	145571	138660	146322	140056	136621	-
Warwickshire										
Fatal	43	26	23	30	26	21	27	29	24	34
Serious	264	239	240	244	232	247	257	251	317	273
Slight	1462	1301	1243	1234	1230	1211	1369	1224	1115	1064
Total all severities	1769	1566	1506	1508	1488	1479	1653	1504	1456	1371
By District										
a. North Warwickshire	317	274	294	314	279	295	266	315	277	296
b. Nuneaton & Bedworth	279	278	279	249	221	253	306	225	235	210
c. Rugby	337	313	261	271	307	267	361	331	313	275
d. Stratford	381	355	365	339	358	342	397	329	324	267
e. Warwick	455	346	307	335	323	322	323	303	304	323
(b) Number of Accidents (KSI)										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Great Britain	25462	24054	22171	22783	22538	21232	22334	21654	23420	
Warwickshire										
Total KSI	307	265	263	274	258	268	284	280	341	307
By District										
a. North Warwickshire	56	43	53	55	54	54	42	48	56	77
b. Nuneaton & Bedworth	40	54	39	41	41	41	55	32	44	41
c. Rugby	51	48	50	54	48	41	61	73	73	62
d. Stratford	90	65	78	80	69	83	85	80	90	65
e. Warwick	70	55	43	44	46	49	41	47	77	62

3.2 Accidents by Month (5 year averages)

	Fatal	Serious	Slight	Total
a. Jan	2.6	21.6	98.2	122.4
b. Feb	1.8	19.2	89.4	110.4
c. Mar	1.2	20.0	96.6	117.8
d. Apr	2.4	23.2	87.4	113.0
e. May	2.6	20.6	100.6	123.8
f. Jun	3.4	24.6	111.0	139.0
g. Jul	1.8	23.0	106.2	131.0
h. Aug	0.8	22.6	90.2	113.6
i. Sep	2.8	20.4	98.8	122.0
j. Oct	2.8	26.2	106.8	135.8
k. Nov	2.4	23.8	109.8	136.0
l. Dec	2.4	21.6	94.4	118.4
Total	27.0	266.8	1189.4	1483.2

3.3 Accidents by Day of Week (5 year averages)

	Fatal	Serious	Slight	Total
a. Sun	4.2	36.2	121.2	161.6
b. Mon	2.4	37.0	164.2	203.6
c. Tue	3.6	38.4	182.4	224.4
d. Wed	3.8	38.4	187.8	230.0
e. Thu	4.4	33.2	185.8	223.4
f. Fri	2.8	42.6	211.2	256.6
g. Sat	5.8	41.0	136.8	183.6
Total	27.0	266.8	1189.4	1483.2

3.4 Accidents by Hour of Day (5 year averages)

	Fatal	Serious	Slight	Total
00:00 - 00:59	1.6	3.4	14.8	19.8
01:00 - 01:59	0.6	5.2	11.8	17.6
02:00 - 02:59	0.4	2.0	10.0	12.4
03:00 - 03:59	1.0	2.0	9.0	12.0
04:00 - 04:59	1.2	2.6	7.6	11.4
05:00 - 05:59	0.8	5.2	13.4	19.4
06:00 - 06:59	0.4	9.0	27.2	36.6
07:00 - 07:59	0.8	13.0	74.0	87.8
08:00 - 08:59	0.8	17.2	100.8	118.8
09:00 - 09:59	1.0	10.4	59.2	70.6
10:00 - 10:59	1.2	11.2	52.8	65.2
11:00 - 11:59	2.0	12.6	56.6	71.2
12:00 - 12:59	1.2	16.8	68.8	86.8
13:00 - 13:59	1.0	16.0	61.4	78.4
14:00 - 14:59	2.2	15.6	69.6	87.4
15:00 - 15:59	0.8	19.0	88.4	108.2
16:00 - 16:59	2.0	20.6	95.2	117.8
17:00 - 17:59	2.2	19.2	112.0	133.4
18:00 - 18:59	1.2	21.8	79.0	102.0
19:00 - 19:59	0.8	14.4	51.8	67.0
20:00 - 20:59	1.6	11.2	45.8	58.6
21:00 - 21:59	0.4	6.0	32.0	38.4
22:00 - 22:59	0.8	6.4	28.6	35.8
23:00 - 23:59	1.0	6.0	19.6	26.6
Total	27.0	266.8	1189.4	1483.2

3.5(a) Accidents by Road Class (5 year averages)

	Fatal	Serious	Slight	Total
Road Class				
a. Motorway	5.2	22.0	155.8	183.0
b. A roads	10.8	96.0	404.8	511.6
c. B roads	6.0	58.8	246.6	311.4
d. C roads	0.6	8.8	35.4	44.8
e. Other	2.6	52.2	199.6	254.4
Total	25.2	237.8	1042.2	1305.2

3.5(b) Accidents by Speed Limit (5 year averages)

	Fatal	Serious	Slight	Total
Speed Limit				
20	0.0	1.8	13.4	15.2
30	4.6	102.4	511.4	618.4
40	1.2	14.4	78.0	93.6
50	8.2	60.0	201.4	269.6
60	5.8	58.0	185.0	248.8
70	7.2	30.2	200.2	237.6
Total	27.0	266.8	1189.4	1483.2

3.6(a) Casualty Trends - all severities

(a) Number of Casualties (all severities)										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Great Britain	230905	222146	208648	203950	195723	183670	194477	186189	181384	-
Warwickshire										
Fatal	43	27	25	33	28	23	28	32	25	38
Serious	305	282	276	280	271	265	287	290	353	316
Slight	2086	1810	1790	1765	1756	1656	1946	1773	1654	1552
Total	2434	2119	2091	2078	2055	1944	2261	2095	2032	1906
By District										
a. North Warwickshire	456	390	432	475	407	411	392	468	432	449
b. Nuneaton & Bedworth	360	350	347	306	284	319	388	293	317	285
c. Rugby	442	429	372	376	410	338	491	443	425	364
d. Stratford	556	486	509	460	526	457	564	466	459	381
e. Warwick	620	464	431	461	428	419	426	424	394	427
By Road User Type										
a. Pedestrian	196	159	155	149	155	147	213	173	149	148
b. Pedal cycle	168	131	139	163	140	173	209	170	174	165
c. Motorcycle	223	182	150	171	202	171	209	172	182	148
d. Car / taxi	1669	1545	1516	1469	1442	1339	1472	1441	1392	1326
e. Minibus / coach	77	25	43	27	25	18	12	19	25	9
f. LGV	52	45	50	55	63	62	91	73	6	1
g. HGV	41	26	29	27	27	23	36	37	93	96
h. Other vehicle	8	6	9	17	1	11	9	6	11	13
By Age Group										
0-15	202	159	183	144	144	124	175	121	162	169
16-29	927	766	782	731	727	662	760	703	688	609
30-59	1012	935	899	950	860	857	1023	977	915	890
60+	293	259	227	253	246	225	292	291	262	232
Unknown	0	0	0	0	78	76	11	3	5	6
Child Casualties										
Fatal	3	1	0	1	0	2	1	1	1	2
Serious	22	13	24	16	21	16	19	18	26	22
Slight	177	145	159	127	123	106	155	102	135	145
Child Casualty Road User Type										
a. Pedestrian	66	39	50	44	43	37	46	39	41	44
b. Pedal cycle	39	18	30	24	17	15	36	21	26	26
c. Motorcycle	6	2	1	2	3	0	0	0	1	2
d. Car / taxi	79	96	85	64	70	68	88	59	93	94
e. Minibus / coach	9	2	17	5	10	2	2	1	0	1
f. LGV	2	1	0	4	1	2	2	0	0	0
g. HGV	1	0	0	1	0	0	0	1	1	2
h. Other vehicle	0	1	0	0	0	0	1	0	0	0

3.6(b) Casualty Trends - KSI

(b) Number of Casualties (KSI)										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Great Britain	28572	26912	24510	25023	24793	23370	24582	23869	25893	-
Warwickshire										
Fatal	43	27	25	33	28	23	28	32	25	38
Serious	305	282	276	280	271	265	287	290	353	316
Total	348	309	301	313	299	288	315	322	378	354
By District										
a. North Warwickshire	59	50	57	64	65	61	47	52	61	89
b. Nuneaton & Bedworth	47	59	40	46	42	45	59	34	44	44
c. Rugby	55	67	63	61	54	44	67	84	83	71
d. Stratford	104	73	89	91	89	89	98	94	104	79
e. Warwick	83	60	52	51	49	49	44	58	85	71
By Road User Type										
a. Pedestrian	54	43	33	26	42	42	55	53	47	47
b. Pedal cycle	26	20	21	36	24	32	35	29	44	41
c. Motorcycle	81	59	55	70	75	75	72	76	86	71
d. Car / taxi	171	178	180	167	143	127	135	150	171	173
e. Minibus / coach	3	1	3	3	4	1	3	1	4	0
f. LGV	5	2	6	8	8	7	6	4	1	1
g. HGV	7	4	3	2	3	2	6	8	21	15
h. Other vehicle	1	2	0	1	0	2	0	1	4	6
By Age Group										
0-15	25	14	24	17	21	18	20	19	27	24
16-29	137	98	112	121	101	106	98	100	111	115
30-59	141	153	119	135	123	121	140	139	174	150
60+	45	44	46	40	46	38	57	63	66	65
Unknown	0	0	0	0	8	5	0	1	0	0
Child Casualties										
Fatal	3	1	0	1	0	2	1	1	1	2
Serious	22	13	24	16	21	16	19	18	26	22
Child Casualty Road User Type										
a. Pedestrian	18	7	13	6	13	11	9	11	10	10
b. Pedal cycle	3	1	2	4	2	2	6	1	7	4
c. Motorcycle	1	2	0	2	2	0	0	0	1	2
d. Car / taxi	3	4	8	5	4	5	4	6	8	8
e. Minibus / coach	0	0	1	0	0	0	1	0	0	0
f. LGV	0	0	0	0	0	0	0	0	0	0
g. HGV	0	0	0	0	0	0	0	1	1	0
h. Other vehicle	0	0	0	0	0	0	0	0	0	0

3.7 Breath Tests on Drivers after Accidents

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Positive (including refusals)										
Male	120	87	85	104	81	81	61	56	84	48
Female	18	6	11	15	17	15	13	17	13	8
Total	138	93	96	119	98	96	74	73	97	56
Negative										
Male	1518	1598	1397	1378	1550	1307	1044	1065	1036	808
Female	654	653	529	609	616	600	450	447	427	334
Total	2172	2251	1926	1987	2166	1907	1494	1512	1463	1142
Total tested										
Male	1638	1685	1482	1482	1631	1388	1105	1121	1120	856
Female	672	659	540	624	633	615	463	464	440	342
Total	2310	2344	2022	2106	2264	2003	1568	1585	1560	1198
Note: The above totals exclude drivers who were not tested, e.g. due to their injuries.										

Appendix A: Definitions

The terms used in this report are generally the same as those used in “Reported Road Casualties Great Britain” (RRCGB) issued by the DfT. Most of the differences relate to entries in the DfT definitions that include comments or references to particular tables in RRCGB.

Some road safety professionals use the term "collision" rather than "accident" on the basis that "accident" implies an unavoidable event and so fails to indicate that many are caused by human error. This report follows the conventions in RRCGB which uses "accident".

The definitions relevant to this report are given below.

<i>Accident:</i>	Involves personal injury occurring on the public highway (including footways) in which at least one road <i>vehicle</i> or a <i>vehicle</i> in collision with a <i>pedestrian</i> is involved and which becomes known to the police within 30 days of its occurrence. The <i>vehicle</i> need not be moving, and accidents involving stationary vehicles and pedestrians or users are included. One accident may give rise to several <i>casualties</i> . “Damage-only” accidents are not included in this publication.
<i>Adults:</i>	Persons aged 16 years and over (except where otherwise stated).
<i>Agricultural vehicles:</i>	Mainly comprises agricultural tractors (whether or not towing), but also includes mobile excavators and front dumpers.
<i>Buses and coaches:</i>	Buses or coaches equipped to carry 17 or more passengers, regardless of use.
<i>Cars:</i>	Includes <i>taxis</i> , estate cars, three- and four-wheel cars and minibuses. Also includes motor caravans prior to 1999.
<i>Casualty:</i>	A person <i>killed</i> or <i>injured</i> in an <i>accident</i> . Casualties are sub-divided into <i>killed</i> , <i>seriously injured</i> and <i>slightly injured</i> .
<i>Children:</i>	Persons under 16 years of age (except where otherwise stated).
<i>DfT:</i>	Department for Transport.
<i>Drivers:</i>	Persons in control of <i>vehicles</i> other than <i>pedal cycles</i> , <i>motorcycles</i> and ridden animals (see <i>riders</i>). Other occupants of <i>vehicles</i> are <i>passengers</i> .
<i>Failed breath test:</i>	<i>Drivers</i> or <i>riders</i> who were tested with a positive result, or who failed or refused to provide a specimen of breath.
<i>Fatal accident:</i>	An accident in which at least one person is <i>killed</i> .
<i>Goods vehicles:</i>	These are divided into two groups according to vehicle weight: <i>Heavy goods vehicles (HGV)</i> and <i>Light goods vehicles (LGV)</i> . They include tankers, tractor units without their semi-trailers, trailers, articulated vehicles and pick-up trucks.
<i>Heavy goods vehicles (HGV):</i>	Goods vehicles over 3.5 tonnes maximum permissible gross vehicle weight (gvw).
<i>Injury accident:</i>	An <i>accident</i> involving human injury or death.
<i>Killed:</i>	Human casualties who sustained injuries which caused death less than 30 days after the <i>accident</i> . Confirmed suicides are excluded.

<i>KSI:</i>	<i>Killed or seriously injured.</i>
<i>Light goods vehicles (LGV):</i>	Goods vehicles, mainly vans (including car derived vans), not over 3.5 tonnes maximum permissible gross vehicle weight.
<i>Motorcycles:</i>	Two-wheel motor vehicles, including mopeds, motor scooters and motor cycle combinations.
<i>Motorways:</i>	Motorway and A(M) roads.
<i>Other roads:</i>	All B, C and unclassified roads, unless otherwise noted.
<i>Other vehicles:</i>	Other motor <i>vehicles</i> include ambulances, fire engines, trams, refuse <i>vehicles</i> , road rollers, <i>agricultural vehicles</i> , excavators, mobile cranes, electric scooters and motorised wheelchairs etc, except where otherwise stated. Other non-motor <i>vehicles</i> include those drawn by an animal, ridden horses, wheelchairs without a motor, street barrows etc., except where otherwise stated. In certain tables " <i>other vehicles</i> " may also include <i>buses and coaches</i> and/or <i>goods vehicles</i> , as indicated in a footnote.
<i>Passengers:</i>	Occupants of <i>vehicles</i> , other than the person in control (the <i>driver</i> or <i>rider</i>). Includes pillion passengers.
<i>Pedal cycles:</i>	Includes tandems, tricycles and toy cycles ridden on the carriageway. This includes cycles with battery assistance with a maximum speed of 15mph.
<i>Pedal cyclists:</i>	<i>Riders</i> of <i>pedal cycles</i> , including any <i>passengers</i> .
<i>Pedestrians:</i>	Includes children riding toy cycles on the footway, persons pushing bicycles, pushing or pulling other <i>vehicles</i> or operating pedestrian-controlled <i>vehicles</i> , those leading or herding animals, children in prams or buggies, and people who alight safely from <i>vehicles</i> and are subsequently injured.
<i>Riders:</i>	Persons in control of <i>pedal cycles</i> , <i>motorcycles</i> or ridden animals. Other occupants of these <i>vehicles</i> are <i>passengers</i> .
<i>Road users:</i>	Pedestrians and vehicle riders, drivers and passengers.
<i>Serious accident:</i>	One in which at least one person is seriously injured but no person (other than a confirmed suicide) is <i>killed</i> .
<i>Serious injury:</i>	An injury for which a person is detained in hospital as an "in-patient", or any of the following injuries, whether or not they are detained in hospital: fractures, concussion, internal injuries, crushings, burns (excluding friction burns), severe cuts, severe general shock requiring medical treatment and injuries causing death 30 or more days after the <i>accident</i> . An injured <i>casualty</i> is recorded as <i>seriously</i> or <i>slightly injured</i> by the police on the basis of information available within a short time of the <i>accident</i> . This generally will not reflect the results of a medical examination, but may be influenced according to whether the casualty is hospitalised or not. Hospitalisation procedures will vary regionally.
<i>Severity:</i>	Of an <i>accident</i> , the severity of the most severely injured <i>casualty</i> (either <i>fatal</i> , <i>serious</i> or <i>slight</i>). Of a <i>casualty</i> : <i>killed</i> , <i>seriously injured</i> or <i>slightly injured</i> .
<i>Slight accident:</i>	One in which at least one person is <i>slightly injured</i> but no person is <i>killed</i> or <i>seriously injured</i> .

- Slight injury:* An injury of a minor character such as a sprain (including neck whiplash injury), bruise or cut which are not judged to be severe, or slight shock requiring roadside attention. This definition includes injuries not requiring medical treatment.
- Speed limits:* Permanent speed limits applicable to the roadway.
- Taxi:* Any vehicle operating as a hackney carriage, regardless of construction, and bearing the appropriate district council or local authority hackney carriage plates. Also includes private hire cars.
- Users of a vehicle:* All occupants, i.e. *driver* (or *rider*) and *passengers*, including persons injured while boarding or alighting from the *vehicle*.
- Vehicles:* Vehicles (except *taxis*) are classified according to their structural type and not according to their employment or category of licence at the time of an *accident*.
- Vehicles involved in accidents:* *Vehicles* whose *drivers* or *passengers* are injured, which hit and injure a *pedestrian* or another *vehicle* whose *driver* or *passengers* are injured, or which contribute to the *accident*. *Vehicles* which collide, after the initial *accident* which caused injury, are not included unless they aggravate the degree of injury or lead to further *casualties*. Includes *pedal cycles* ridden on the footway.

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