

ASSOCIATION OF GREATER MANCHESTER AUTHORITIES

GREATER MANCHESTER TRANSPORTATION UNIT

ROAD CASUALTY STATISTICS GREATER MANCHESTER 2007

COUNTYWIDE TABULATIONS

This is one of two reports produced to accompany the Road Casualty Statistics Greater Manchester 2007 (GMTU Report 1408) report. All commentary is included in the main report. This accompanying report is only available in electronic format.

This report presents countywide tabulations of road traffic accident, casualty and vehicle statistics in Greater Manchester.

Sections 1 to 3 provide general casualty, accident and vehicle data in detail respectively for Greater Manchester as a whole, whilst Sections 4 and 5 focus the attention on the national contributory factors. In particular, Section 4 shows car drivers involved in injury accidents and speed-related accidents, whereas Section 5 gives tabulations of the distribution of contributory factors by casualty type.

No commentary is provided in this accompanying report, but it is worth noting that in 2007 only limited progress has been made towards reaching the national targets of a 40% reduction in Killed and Seriously Injured (KSI) casualties and a 50% reduction in child KSI casualties by 2010. In Greater Manchester as a whole, the total number of KSI casualties fell only slightly between 2006 and 2007. This is still 27% below the base (the average of 1994 to 1998) and a further 17% reduction is required to meet the 2010 KSI target. More encouragingly, child KSI casualties fell by 16% between 2006 and 2007 and have already met the set 2010 child KSI target

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1. Casualty Statistics

Casualty Trends

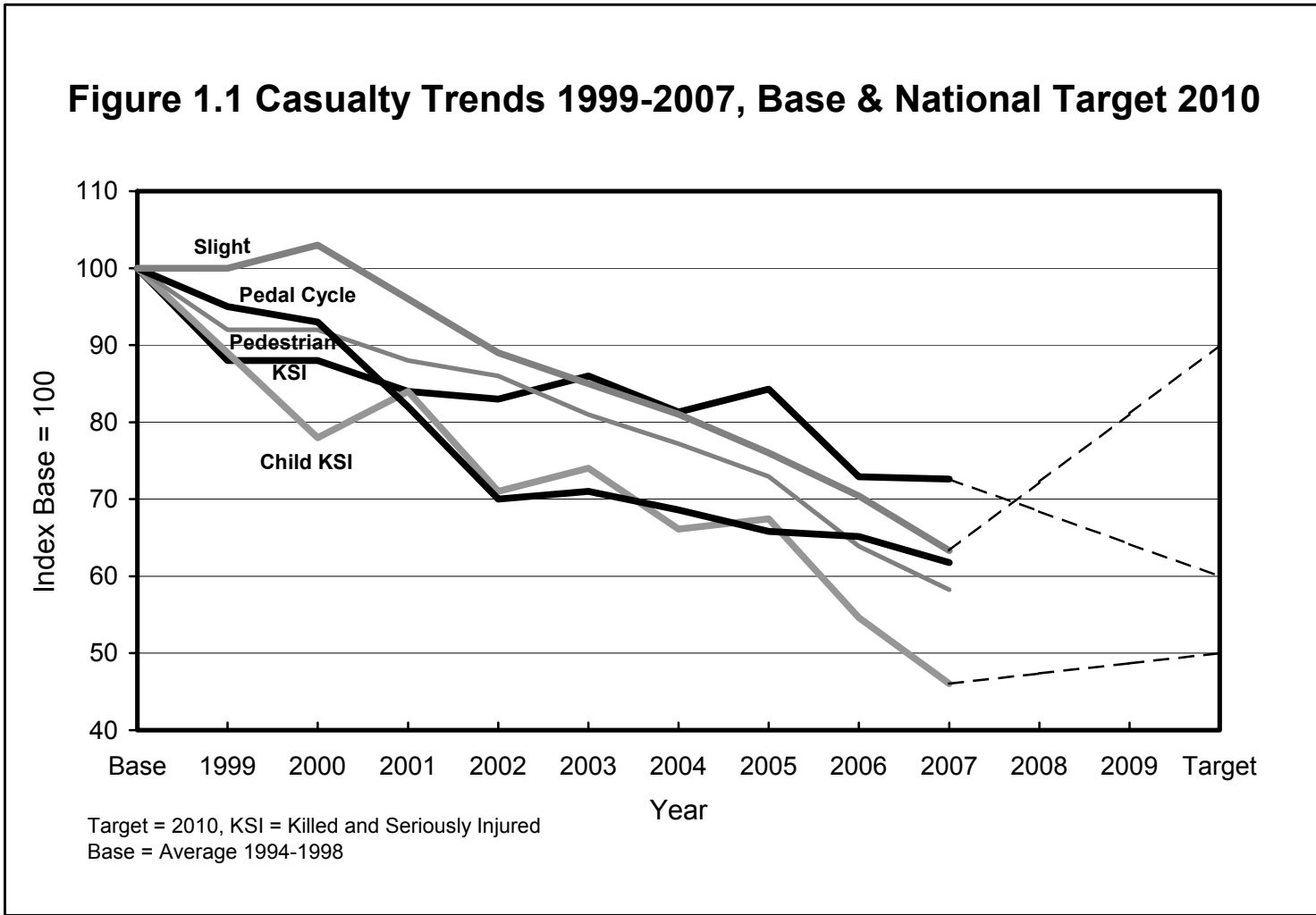
	Base (Ave. 1994-1998)	1999	2000	2001	2002	2003	2004	2005	2006	2007	Target (2010)
All KSI Casualties	1281	1125	1123	1078	1061	1096	1042	1080	934	930	769
Index	100	88	88	84	83	86	81	84	73	73	40*
Child KSI Casualties	304	270	236	254	217	225	201	205	166	140	152
Index	100	89	78	84	71	74	66	67	55	46	50**
Pedestrian Casualties	2939	2698	2695	2579	2517	2389	2269	2144	1878	1712	
Index	100	92	92	88	86	81	77	73	64	58	
Pedal Cycle Casualties	1188	1128	1109	975	830	845	815	782	774	734	
Index	100	95	93	82	70	71	69	66	65	62	
Slight Casualties	15426	15364	15867	14818	13771	13050	12501	11725	10861	9772	13884
Index	100	100	103	96	89	85	81	76	70	63	90***
Slight Casualty Rates	95.70	89.90	92.94	84.03	75.77	71.40	66.81	63.62	58.93	52.91	86.13
Index	100	94	97	88	79	75	70	66	62	55	90***

Notes: * - A 40% reduction in all KSIs for all Roads (National Target)
 ** - A 50% reduction in Child KSIs for all Roads (National Target)
 *** - A 10% reduction in Slight casualty rates (Rate per 100m Veh kms - DfT website, revised Oct 2007).
 Casualty rates: rate per 100 million vehicle kilometres (the estimated traffic flows used in this calculation are produced by the DfT, but are not considered robust enough to be considered national statistics. Whereas they may be of use for monitoring trends within an area, they should not be used for comparisons between areas.)

KSI Casualties

Casualty Type	Average 1994-1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Pedestrians:										
Under 16 years	231	200	179	186	162	173	151	149	120	109
16-29 years	100	86	82	77	98	83	102	105	86	84
30-59 years	127	94	102	102	94	93	101	116	97	86
60-74 years	63	58	52	40	42	42	24	32	34	30
Over 74 years	66	56	53	46	44	55	37	32	29	41
Total Pedestrians	587	494	468	451	440	446	415	434	366	350
Pedal Cycle (R&P):										
Under 16 years	40	40	32	35	27	25	27	26	21	26
16-19 years	10	14	7	8	4	8	5	9	9	7
Over 20 years	58	53	67	45	46	56	46	51	60	52
Total Pedal Cycle (R&P)	108	107	106	88	77	89	78	86	90	85
TWPV (R&P):										
Under 20 years	20	23	35	36	45	41	51	57	39	40
20-29 years	46	51	43	41	41	47	47	41	47	50
Over 29 years	62	56	83	68	97	92	79	93	86	84
Total TWPV (R&P)	127	130	161	145	183	180	177	191	172	174
Car Drivers:										
Under 20 years	29	31	38	36	30	25	22	26	25	19
20-29 years	72	61	47	55	65	60	71	65	62	57
Over 29 years	127	107	101	125	99	110	102	102	69	106
Total Car Drivers	229	199	186	216	194	195	195	193	156	182
Car Passengers										
Under 20 years	67	68	54	67	51	47	49	50	49	32
20-29 years	45	45	47	38	37	52	54	39	43	40
Over 29 years	61	49	48	41	41	49	53	55	27	38
Total Car Passengers	173	162	149	146	129	148	156	144	119	110
Others	57	33	53	32	38	38	21	32	31	29
Total KSI	1281	1125	1123	1078	1061	1096	1042	1080	934	930

Notes: R&P = Rider and Pillion, KSI= Killed and Seriously Injured,
 Car = From 1999 this definition was revised



All Casualties

Casualty	Fatal	Serious	Slight	Total	KSI	Severity Index
TWPV Rider	10	158	451	619	168	0.27
TWPV Pillion	0	6	17	23	6	0.26
Car Driver	20	162	4109	4291	182	0.04
Car Passenger	10	100	2458	2568	110	0.04
Pedestrian	42	308	1362	1712	350	0.20
Cyclists (R&P)	9	76	649	734	85	0.12
PCV Passenger	1	6	345	352	7	0.02
Tram (D&P)	0	0	2	2	0	0.00
Goods (D&P)	1	14	276	291	15	0.05
Other	0	7	103	110	7	0.06
Total	93	837	9772	10702	930	0.09

Notes: R&P = Rider and Pillion
D&P = Driver and Passenger
KSI = Killed and Seriously Injured
Severity Index = KSI/Total Casualties

Casualty	Average 1984-88	Average 1989-93	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007
TWPV Rider	1643	1014	536	595	794	776	800	781	741	737	602	619
TWPV Pillion	172	84	46	38	60	68	50	49	55	43	52	23
Car Driver	3555	5534	6798	6851	6904	6452	6134	5823	5523	5157	4822	4291
Car Passenger	2682	3627	4029	4045	4169	3787	3562	3222	3327	3032	2883	2568
Pedestrian	3973	3788	2939	2698	2695	2579	2517	2389	2269	2144	1879	1712
Cyclists (R&P)	1344	1349	1188	1128	1109	975	830	845	815	782	774	734
PCV/Tram (P)	439	4200	491	465	578	651	432	492	328	398	346	354
Other	545	662	681	669	681	608	507	545	485	512	437	401
Total	14353	16479	16708	16489	16990	15896	14832	14146	13543	12805	11795	10702

Notes: R&P = Rider and Pillion
P = Passenger
Car = From 1999 this definition was revised to exclude invalid tricycles and motor caravans

Figure 1.2 Casualty Types by Year 1984-2007

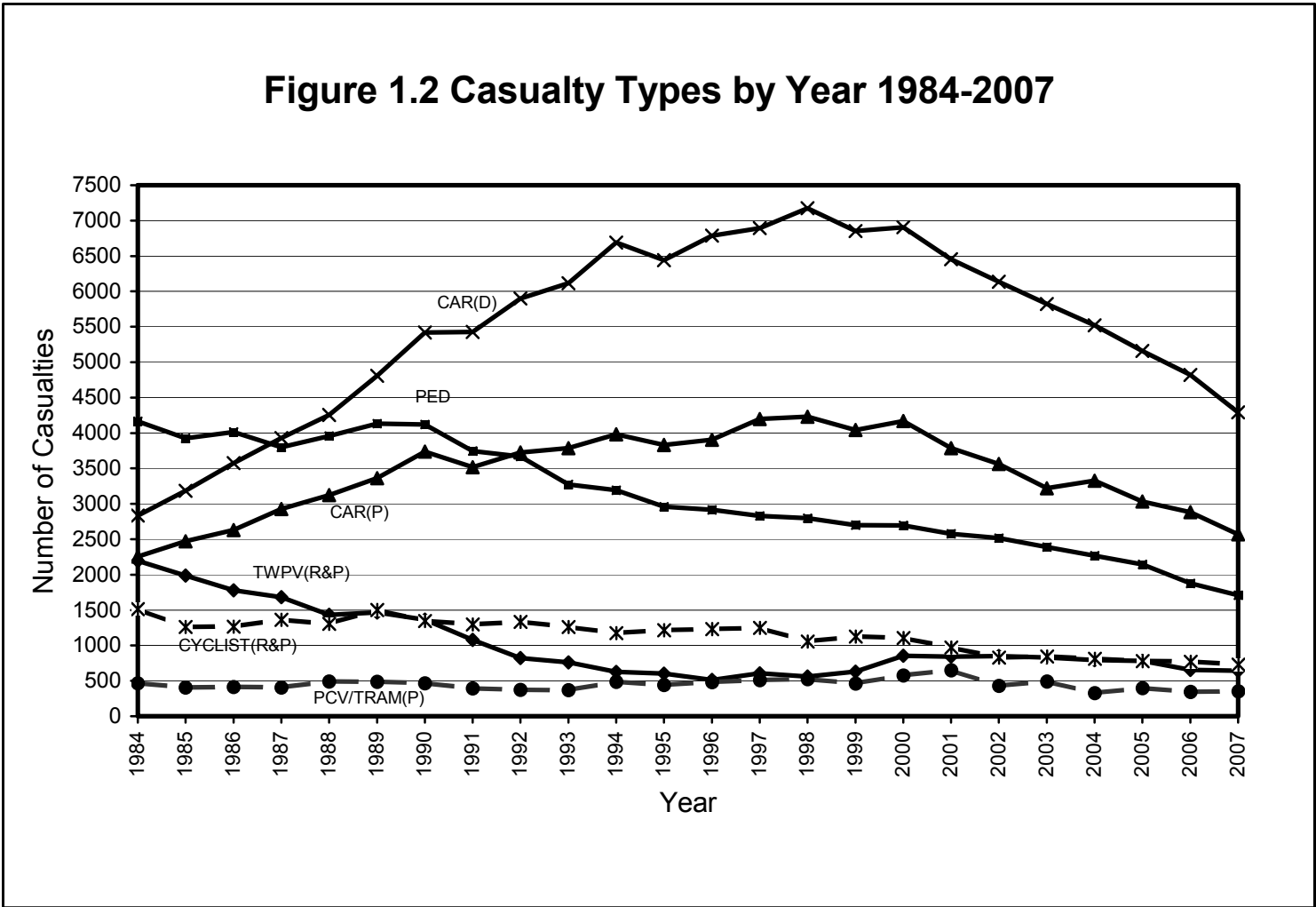
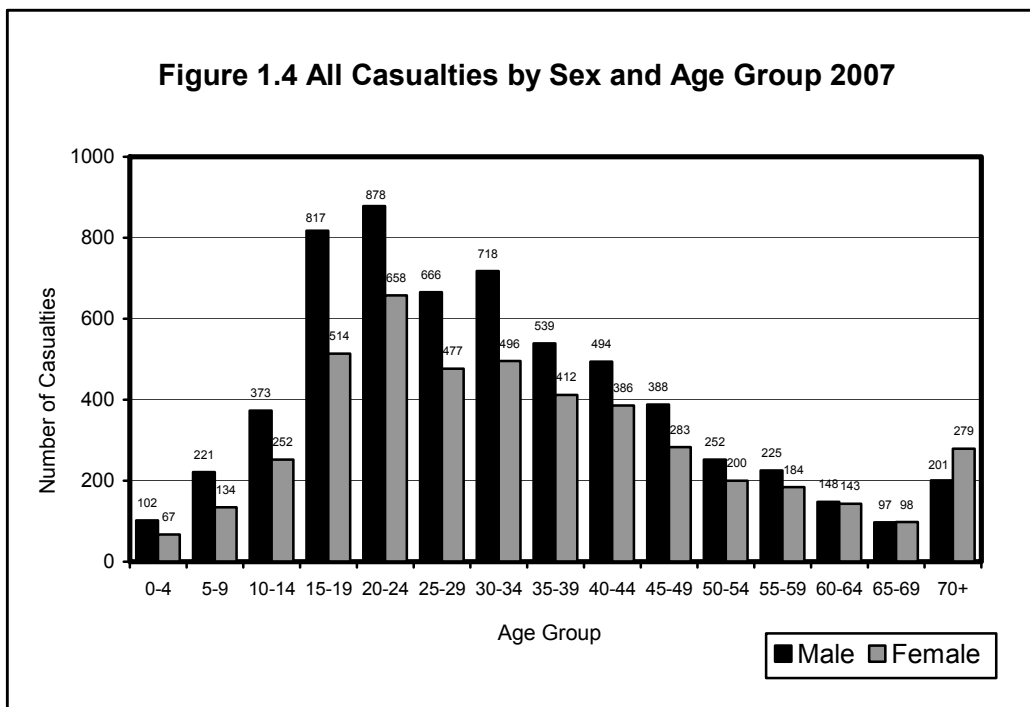
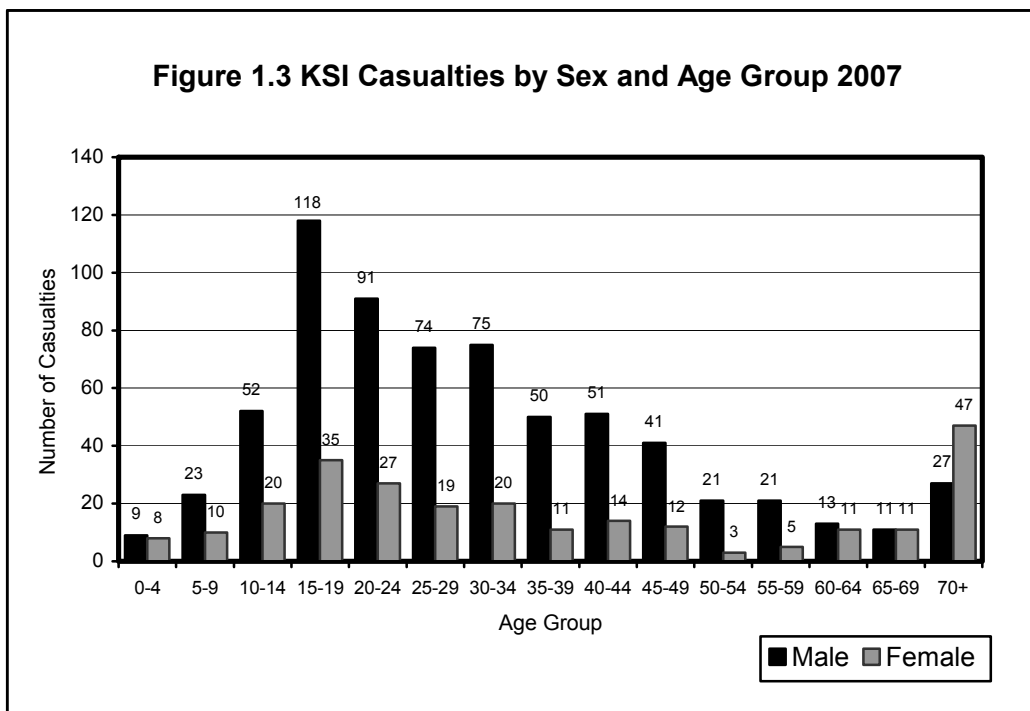


Table 1.5 Casualty Types by Sex and Age Group 2007																
Casualty Type	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total
MALE																
TWPV Rider	0	0	1	152	75	65	64	66	64	37	23	16	7	7	0	577
TWPV Pillion	0	2	0	3	0	3	0	0	0	0	0	0	0	0	0	8
Car Driver	0	0	1	193	354	314	297	250	254	205	134	130	82	46	86	2346
Car Passenger	41	61	62	241	235	131	107	64	36	32	23	14	12	21	23	1103
Pedestrian	53	117	196	104	100	65	94	55	42	45	27	20	17	12	67	1014
Pedal Cycle (R&P)	3	38	96	84	71	53	79	48	50	36	14	18	15	6	11	622
PCV/Tram (P)	4	2	17	13	6	5	17	8	5	1	3	5	5	2	13	106
Other	1	1	0	27	37	30	60	48	43	32	28	22	10	3	1	343
Total Male	102	221	373	817	878	666	718	539	494	388	252	225	148	97	201	6119
FEMALE																
TWPV Rider	0	0	0	11	8	3	6	6	5	0	2	0	1	0	0	42
TWPV Pillion	0	0	0	4	2	1	1	2	2	2	1	0	0	0	0	15
Car Driver	0	1	0	127	309	267	257	261	223	164	103	91	52	35	55	1945
Car Passenger	43	58	89	259	244	134	128	70	97	68	51	58	49	31	86	1465
Pedestrian	20	64	140	86	59	46	33	28	30	21	21	18	21	18	93	698
Pedal Cycle (R&P)	1	4	14	4	17	17	17	17	3	2	2	7	5	0	2	112
PCV/Tram (P)	3	5	9	15	15	7	48	19	16	20	15	8	15	11	42	248
Other	0	2	0	8	4	2	6	9	10	6	5	2	0	3	1	58
Total Female	67	134	252	514	658	477	496	412	386	283	200	184	143	98	279	4583
TOTAL	169	355	625	1331	1536	1143	1214	951	880	671	452	409	291	195	480	10702

Notes: R&P = Rider and Pillion
P = Passenger



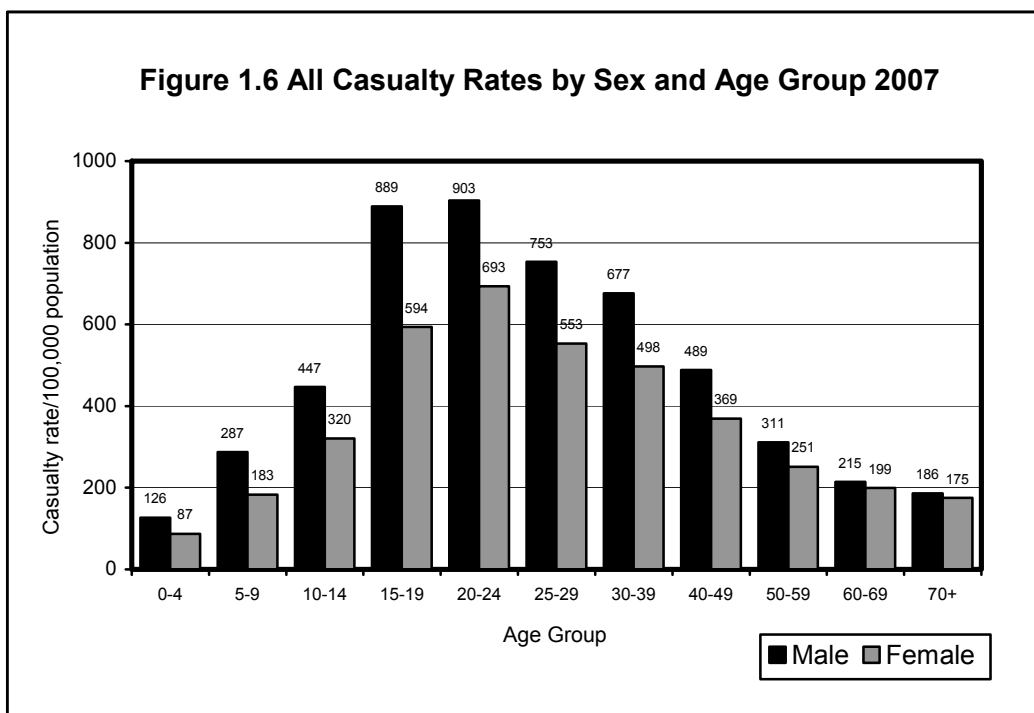
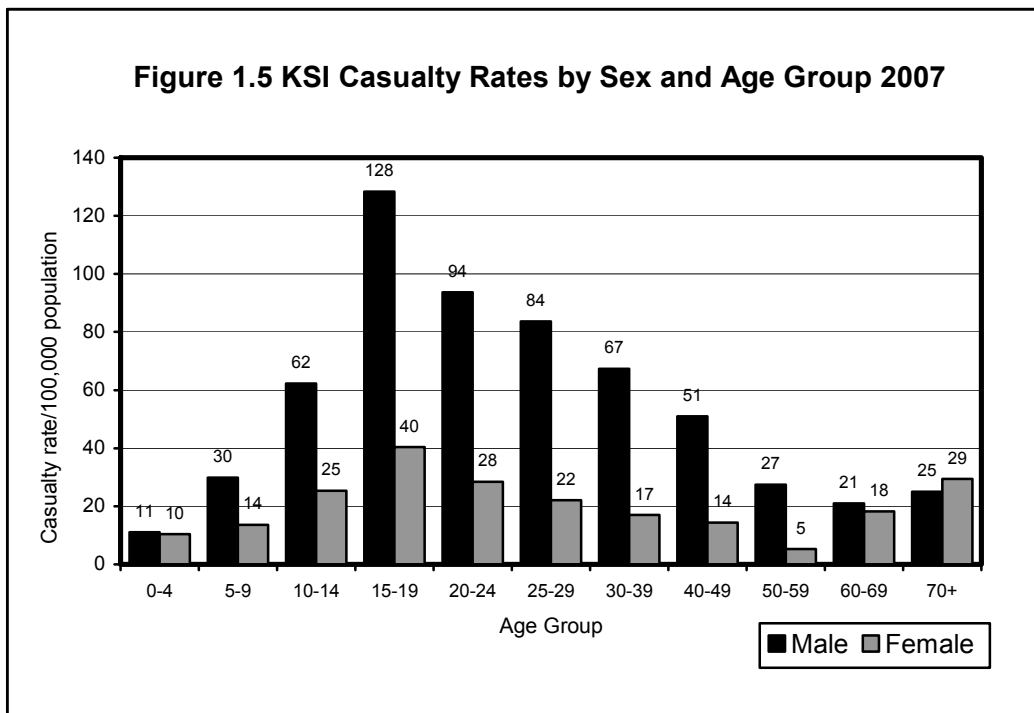
Casualty Rates

Age Group	Population 000's			Casualties		Casualty Rate Per 100,000 Population	
	Total	Males	Females	Male	Female	Male	Female
under 5	157.5	80.9	76.6	9	8	11	10
5 – 9	150.1	76.9	73.2	23	10	30	14
10 – 14	162.2	83.5	78.7	52	20	62	25
15 – 19	178.5	91.9	86.6	118	35	128	40
20 – 24	192.1	97.2	94.9	91	27	94	28
25 – 29	174.7	88.4	86.3	74	19	84	22
30 – 39	368.3	185.8	182.5	125	31	67	17
40 – 49	361.6	180.5	181.1	92	26	51	14
50 – 59	306.0	153.3	152.7	42	8	27	5
60 – 69	235.2	114.2	121.0	24	22	21	18
70+	267.5	108.0	159.5	27	47	25	29
Total	2553.8	1260.7	1293.1	677	253	54	20

Age Group	Population 000's			Casualties		Casualty Rate Per 100,000 Population	
	Total	Males	Females	Male	Female	Male	Female
under 5	157.5	80.9	76.6	102	67	126	87
5 – 9	150.1	76.9	73.2	221	134	287	183
10 – 14	162.2	83.5	78.7	373	252	447	320
15 – 19	178.5	91.9	86.6	817	514	889	594
20 – 24	192.1	97.2	94.9	878	658	903	693
25 – 29	174.7	88.4	86.3	666	477	753	553
30 – 39	368.3	185.8	182.5	1257	908	677	498
40 – 49	361.6	180.5	181.1	882	669	489	369
50 – 59	306.0	153.3	152.7	477	384	311	251
60 – 69	235.2	114.2	121.0	245	241	215	199
70+	267.5	108.0	159.5	201	279	186	175
Total	2553.8	1260.7	1293.1	6119	4583	485	354

Note:

The table uses figures provided by the Office for National Statistics for the mid-year estimate of population for 2006.



Casualties on A Class Roads

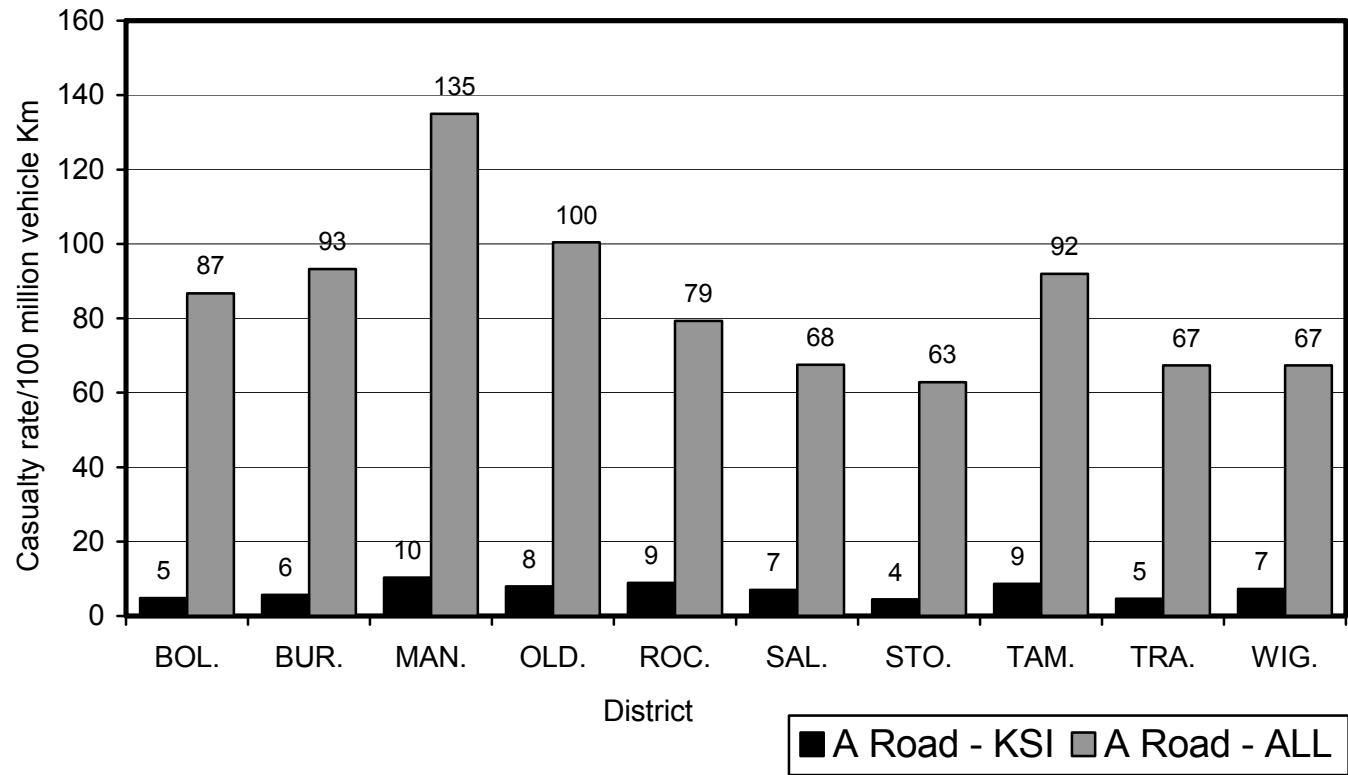
District	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	101	10	2	0	0	35	5
Bury	55	12	4	1	2	21	6
Manchester	116	33	4	0	0	104	10
Oldham	98	12	3	3	5	37	8
Rochdale	80	16	4	1	2	40	9
Salford	87	12	2	0	0	49	7
Stockport	84	14	2	0	0	29	4
Tameside	65	11	4	0	0	32	9
Trafford	58	7	2	0	0	20	5
Wigan	117	8	1	0	0	52	7
Greater Manchester	861	135	3	5	1	419	7

District	Road Length KM	Car Casualties	Casualty Rate Per 100 Million Car Km	Goods Casualties	Casualty Rate Per 100 Million Goods Km	All Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	101	440	71	13	14	631	87
Bury	55	243	76	5	12	344	93
Manchester	116	900	103	18	16	1366	135
Oldham	98	323	82	23	36	468	100
Rochdale	80	238	62	5	9	357	79
Salford	87	277	47	17	18	472	68
Stockport	84	262	47	14	19	406	63
Tameside	65	208	67	18	34	342	92
Trafford	58	173	47	11	21	289	67
Wigan	117	305	51	16	15	483	67
Greater Manchester	861	3369	67	140	18	5158	88

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1387 'Transport Statistics Greater Manchester 2007'.
2. A roads include A(M) roads (but exclude the A627(M)).

Figure 1.7 All Casualty Rates on A Roads by District 2007



Casualties on B Class Roads

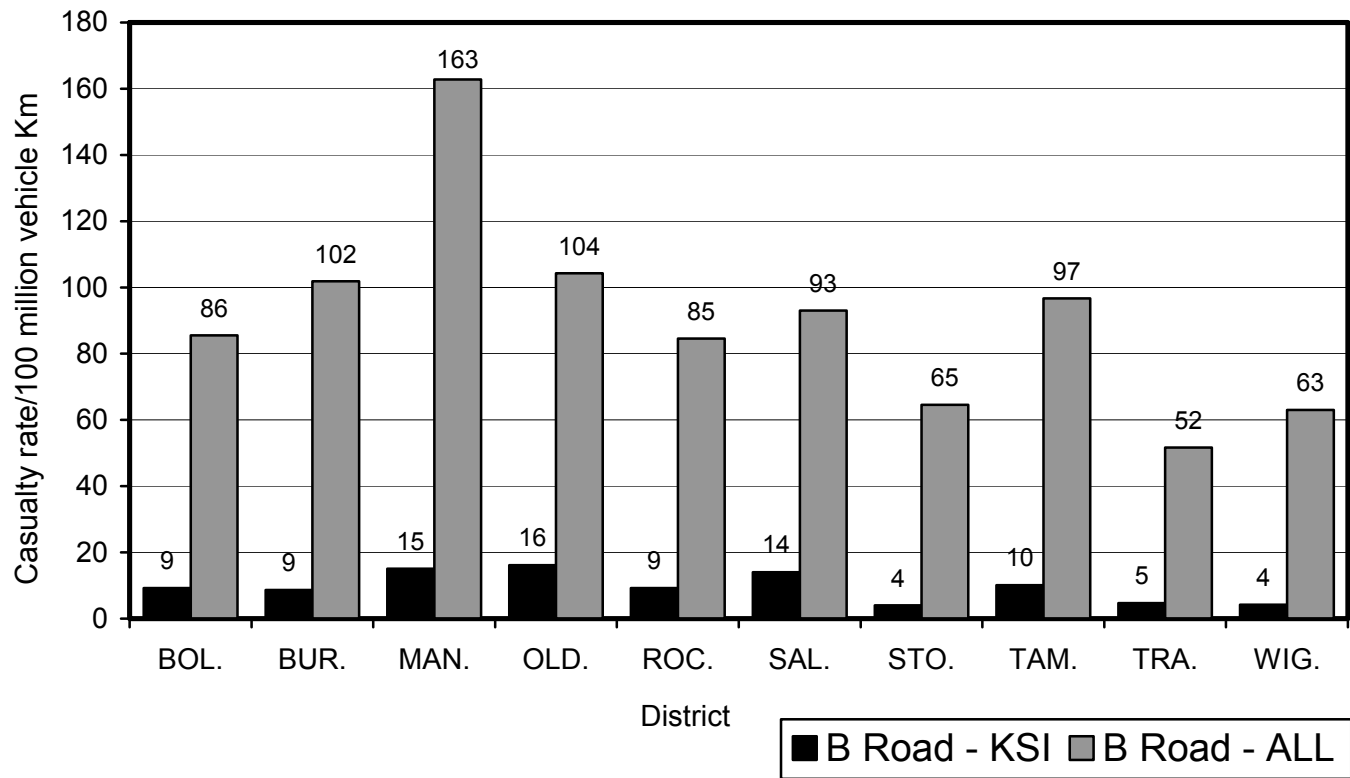
Table 1.10 Car, Goods and All KSI Casualty Rates on B Roads for 2007							
District	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	46	6	4	0	0	16	9
Bury	33	1	1	0	0	9	9
Manchester	36	7	5	0	0	26	15
Oldham	30	4	5	0	0	15	16
Rochdale	23	4	5	0	0	9	9
Salford	29	7	7	0	0	16	14
Stockport	36	3	2	0	0	7	4
Tameside	32	7	7	0	0	12	10
Trafford	52	5	3	0	0	10	5
Wigan	56	2	1	0	0	10	4
Greater Manchester	374	46	4	0	0	130	9

Table 1.11 Car, Goods and All Casualty Rates on B Roads for 2007							
District	Road Length KM	Car Casualties	Casualty Rate Per 100 Million Car Km	Goods Casualties	Casualty Rate Per 100 Million Goods Km	All Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	46	91	61	1	5	148	86
Bury	33	76	83	1	9	106	102
Manchester	36	166	111	4	25	280	163
Oldham	30	53	66	4	33	97	104
Rochdale	23	52	62	4	36	82	85
Salford	29	69	69	1	8	106	93
Stockport	36	61	40	0	0	111	65
Tameside	32	77	76	4	27	115	97
Trafford	52	69	37	1	5	109	52
Wigan	56	89	43	5	19	150	63
Greater Manchester	374	803	62	25	16	1304	87

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1387 'Transport Statistics Greater Manchester 2007'.
2. KSI = Killed and Seriously Injured.

Figure 1.8 All Casualty Rates on B Roads by District 2007



Casualties on Motorways

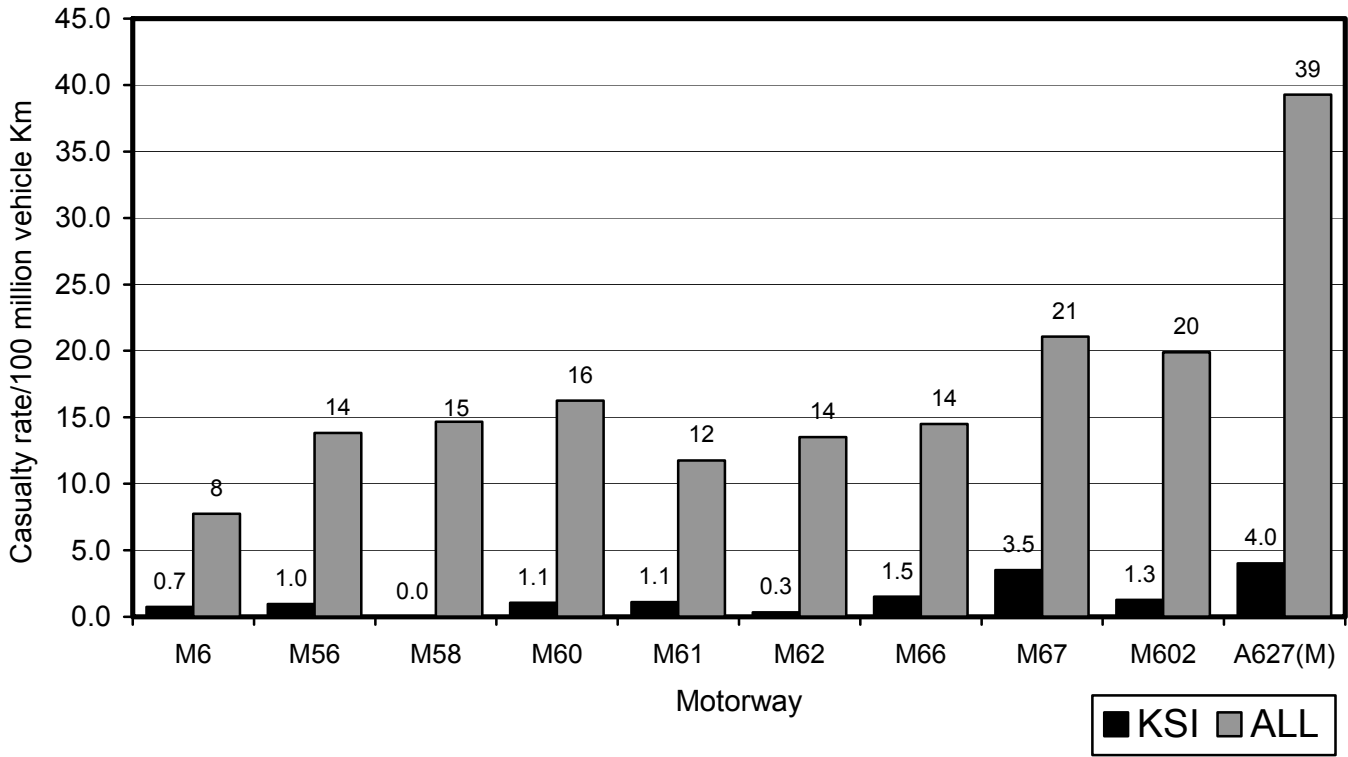
Table 1.12 Car, Goods and All KSI Casualty Rates on Motorways for 2007							
Motorway	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
M6	15	1	0.3	1	0.7	4	0.7
M56	11	3	0.9	0	0.0	4	1.0
M58	1	0	0.0	0	0.0	0	0.0
M60	60	19	1.0	2	0.3	26	1.1
M61	22	3	0.6	0	0.0	7	1.1
M62	27	2	0.2	1	0.3	4	0.3
M66	13	4	1.6	0	0.0	5	1.5
M67	8	2	2.3	0	0.0	4	3.5
M602	7	1	0.8	1	3.2	2	1.3
A627(M)	7	4	5.3	0	0.0	4	4.0
Total	171	39	0.9	5	0.3	60	1.0

Table 1.13 Car, Goods and All Casualty Rates on Motorways for 2007							
Motorway	Road Length KM	Car Casualties	Casualty Rate Per 100 Million Car Km	Goods Casualties	Casualty Rate Per 100 Million Goods Km	All Casualties	Casualty Rate Per 100 Million Vehicle Km
M6	15	30	8	9	6	42	8
M56	11	52	15	2	3	57	14
M58	1	2	14	1	17	3	15
M60	60	357	20	26	4	395	16
M61	22	63	13	5	3	75	12
M62	27	137	17	16	5	156	14
M66	13	40	16	5	6	48	14
M67	8	22	25	0	0	24	21
M602	7	27	22	3	9	31	20
A627(M)	7	34	45	4	17	39	39
Total	171	764	17	71	5	870	15

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1387 'Transport Statistics Greater Manchester 2007'.
2. KSI = Killed and Seriously Injured.

Figure 1.9 All Casualty Rates on Motorways 2007



Casualty Rates by Road Class and Casualty Type

Table 1.14a Casualty Rates by Road Class and Casualty Type – Casualty Rate Per Km, 2007																		
District	Road Class	Length (Km)	Pedestrian		Pedal Cycle		TWPV		Car		PCV		Goods		Others		All	
			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Bolton	M	18.3	2	0.11	0	0.00	4	0.22	47	2.57	0	0.00	4	0.22	0	0.00	57	3.11
	A	101.4	85	0.84	25	0.25	40	0.39	440	4.34	23	0.23	13	0.13	5	0.05	631	6.22
	B	49.0	30	0.61	7	0.14	13	0.27	91	1.86	5	0.10	1	0.02	1	0.02	148	3.02
	C	46.9	36	0.77	13	0.28	12	0.26	110	2.35	10	0.21	0	0.00	2	0.04	183	3.90
	U	773.6	51	0.07	22	0.03	7	0.01	87	0.11	3	0.00	4	0.01	1	0.00	175	0.23
	Total	989.2	204	0.21	67	0.07	76	0.08	775	0.78	41	0.04	22	0.02	9	0.01	1194	1.21
Bury	M	20.7	2	0.10	0	0.00	3	0.14	105	5.07	0	0.00	7	0.34	0	0.00	117	5.65
	A	55.1	48	0.87	20	0.36	21	0.38	243	4.41	7	0.13	5	0.09	0	0.00	344	6.24
	B	32.0	18	0.56	4	0.13	7	0.22	76	2.38	0	0.00	1	0.03	0	0.00	106	3.31
	C	37.6	29	0.77	9	0.24	7	0.19	77	2.05	4	0.11	2	0.05	1	0.03	129	3.43
	U	550.0	26	0.05	10	0.02	7	0.01	54	0.10	0	0.00	0	0.00	0	0.00	97	0.18
	Total	695.4	123	0.18	43	0.06	45	0.06	555	0.80	11	0.02	15	0.02	1	0.00	793	1.14
Manchester	M	17.4	0	0.00	0	0.00	2	0.11	69	3.97	0	0.00	3	0.17	0	0.00	74	4.25
	T	2.2	0	0.00	0	0.00	1	0.45	11	5.00	9	4.09	0	0.00	0	0.00	21	9.55
	A	115.4	191	1.66	94	0.81	61	0.53	889	7.70	82	0.71	18	0.16	10	0.09	1345	11.66
	B	38.1	44	1.15	40	1.05	11	0.29	166	4.36	14	0.37	4	0.10	1	0.03	280	7.35
	C	83.9	94	1.12	42	0.50	22	0.26	366	4.36	14	0.17	6	0.07	5	0.06	549	6.54
	U	1108.3	103	0.09	39	0.04	19	0.02	193	0.17	9	0.01	8	0.01	3	0.00	374	0.34
Total	1365.3	432	0.32	215	0.16	116	0.08	1694	1.24	128	0.09	39	0.03	19	0.01	2643	1.94	
Oldham	M	6.6	0	0.00	0	0.00	0	0.00	26	3.94	0	0.00	1	0.15	0	0.00	27	4.09
	T	4.2	4	0.95	2	0.48	0	0.00	36	8.57	0	0.00	2	0.48	0	0.00	44	10.48
	A	94.1	51	0.54	11	0.12	28	0.30	287	3.05	22	0.23	21	0.22	4	0.04	424	4.51
	B	31.2	21	0.67	4	0.13	6	0.19	53	1.70	9	0.29	4	0.13	0	0.00	97	3.11
	C	31.6	33	1.04	8	0.25	8	0.25	100	3.16	3	0.09	0	0.00	0	0.00	152	4.81
	U	665.8	51	0.08	9	0.01	4	0.01	61	0.09	9	0.01	2	0.00	2	0.00	138	0.21
Total	833.5	160	0.19	34	0.04	46	0.06	563	0.68	43	0.05	30	0.04	6	0.01	882	1.06	
Rochdale	M	24.2	0	0.00	0	0.00	1	0.04	104	4.30	0	0.00	17	0.70	0	0.00	122	5.04
	A	79.6	53	0.67	20	0.25	27	0.34	238	2.99	8	0.10	5	0.06	6	0.08	357	4.48
	B	24.0	14	0.58	2	0.08	4	0.17	52	2.17	6	0.25	4	0.17	0	0.00	82	3.42
	C	34.3	25	0.73	6	0.17	5	0.15	71	2.07	2	0.06	0	0.00	4	0.12	113	3.29
	U	636.6	45	0.07	11	0.02	8	0.01	103	0.16	1	0.00	4	0.01	1	0.00	173	0.27
	Total	798.7	137	0.17	39	0.05	45	0.06	568	0.71	17	0.02	30	0.04	11	0.01	847	1.06

Notes: Road Length Source – DfT (based on 'OSCAR' data). Principal motorway included in A road except A627(M).

Road lengths used to calculate vehicle kilometres in 2007 differ slightly from 2006 especially for Unclassified Roads.

District	Road Class	Length (Km)	Pedestrian		Pedal Cycle		TWPV		Car		PCV		Goods		Others		All	
			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Salford	M	30.1	1	0.03	0	0.00	6	0.20	181	6.01	0	0.00	21	0.70	2	0.07	211	7.01
	A	87.5	73	0.83	26	0.30	50	0.57	277	3.17	27	0.31	17	0.19	2	0.02	472	5.39
	B	31.7	15	0.47	9	0.28	8	0.25	69	2.18	1	0.03	1	0.03	3	0.09	106	3.34
	C	28.6	12	0.42	6	0.21	3	0.10	44	1.54	0	0.00	0	0.00	0	0.00	65	2.27
	U	616.5	35	0.06	18	0.03	10	0.02	50	0.08	2	0.00	1	0.00	1	0.00	117	0.19
	Total	794.4	136	0.17	59	0.07	77	0.10	621	0.78	30	0.04	40	0.05	8	0.01	971	1.22
Stockport	M	12.4	2	0.16	0	0.00	0	0.00	55	4.44	0	0.00	4	0.32	0	0.00	61	4.92
	A	84.1	41	0.49	28	0.33	31	0.37	262	3.12	28	0.33	14	0.17	2	0.02	406	4.83
	B	35.9	27	0.75	14	0.39	7	0.19	61	1.70	2	0.06	0	0.00	0	0.00	111	3.09
	C	43.4	36	0.83	12	0.28	18	0.41	113	2.60	3	0.07	4	0.09	0	0.00	186	4.29
	U	818.3	45	0.05	17	0.02	7	0.01	51	0.06	4	0.00	0	0.00	0	0.00	124	0.15
	Total	994.1	151	0.15	71	0.07	63	0.06	542	0.55	37	0.04	22	0.02	2	0.00	888	0.89
Tameside	M	15.3	1	0.07	0	0.00	3	0.20	55	3.59	0	0.00	3	0.20	0	0.00	62	4.05
	T	3.2	3	0.94	2	0.63	0	0.00	8	2.50	0	0.00	0	0.00	0	0.00	13	4.06
	A	63.1	55	0.87	16	0.25	27	0.43	200	3.17	10	0.16	18	0.29	3	0.05	329	5.21
	B	30.8	18	0.58	9	0.29	6	0.19	77	2.50	1	0.03	4	0.13	0	0.00	115	3.73
	C	37.4	17	0.45	3	0.08	14	0.37	66	1.76	1	0.03	1	0.03	2	0.05	104	2.78
	U	616.6	28	0.05	14	0.02	8	0.01	66	0.11	3	0.00	3	0.00	0	0.00	122	0.20
	Total	766.4	122	0.16	44	0.06	58	0.08	472	0.62	15	0.02	29	0.04	5	0.01	745	0.97
Trafford	M	9.5	0	0.00	0	0.00	3	0.32	90	9.47	0	0.00	1	0.11	0	0.00	94	9.89
	A	58.4	27	0.46	40	0.68	12	0.21	173	2.96	20	0.34	11	0.19	6	0.10	289	4.95
	B	48.9	15	0.31	11	0.22	9	0.18	69	1.41	4	0.08	1	0.02	0	0.00	109	2.23
	C	48.5	18	0.37	21	0.43	5	0.10	96	1.98	3	0.06	4	0.08	0	0.00	147	3.03
	U	633.2	22	0.03	10	0.02	5	0.01	34	0.05	0	0.00	8	0.01	1	0.00	80	0.13
	Total	798.5	82	0.10	82	0.10	34	0.04	462	0.58	27	0.03	25	0.03	7	0.01	719	0.90
Wigan	M	16.7	1	0.06	0	0.00	2	0.12	32	1.92	0	0.00	10	0.60	0	0.00	45	2.69
	A	116.6	66	0.57	27	0.23	47	0.40	305	2.62	19	0.16	16	0.14	3	0.03	483	4.14
	B	54.7	22	0.40	12	0.22	12	0.22	89	1.63	9	0.16	5	0.09	1	0.02	150	2.74
	C	67.7	31	0.46	15	0.22	8	0.12	117	1.73	5	0.07	5	0.07	5	0.07	186	2.75
	U	884.2	45	0.05	26	0.03	13	0.01	64	0.07	4	0.00	3	0.00	1	0.00	156	0.18
	Total	1139.9	165	0.14	80	0.07	82	0.07	607	0.53	37	0.03	39	0.03	10	0.01	1020	0.89
Greater Manchester	M	171.2	9	0.05	0	0.00	24	0.14	764	4.46	0	0.00	71	0.41	2	0.01	870	5.08
	T	9.6	7	0.73	4	0.42	1	0.10	55	5.73	9	0.94	2	0.21	0	0.00	78	8.13
	A	855.3	690	0.81	307	0.36	344	0.40	3314	3.87	246	0.29	138	0.16	41	0.05	5080	5.94
	B	376.3	224	0.60	112	0.30	83	0.22	803	2.13	51	0.14	25	0.07	6	0.02	1304	3.47
	C	459.9	331	0.72	135	0.29	102	0.22	1160	2.52	45	0.10	22	0.05	19	0.04	1814	3.94
	U	7303.1	451	0.06	176	0.02	88	0.01	763	0.10	35	0.00	33	0.00	10	0.00	1556	0.21
	Total	9175.4	1712	0.19	734	0.08	642	0.07	6859	0.75	386	0.04	291	0.03	78	0.01	10702	1.17

Notes: Road Length Source – DfT (based on 'OSCAR' data). Principal motorway included in A road except A627(M)

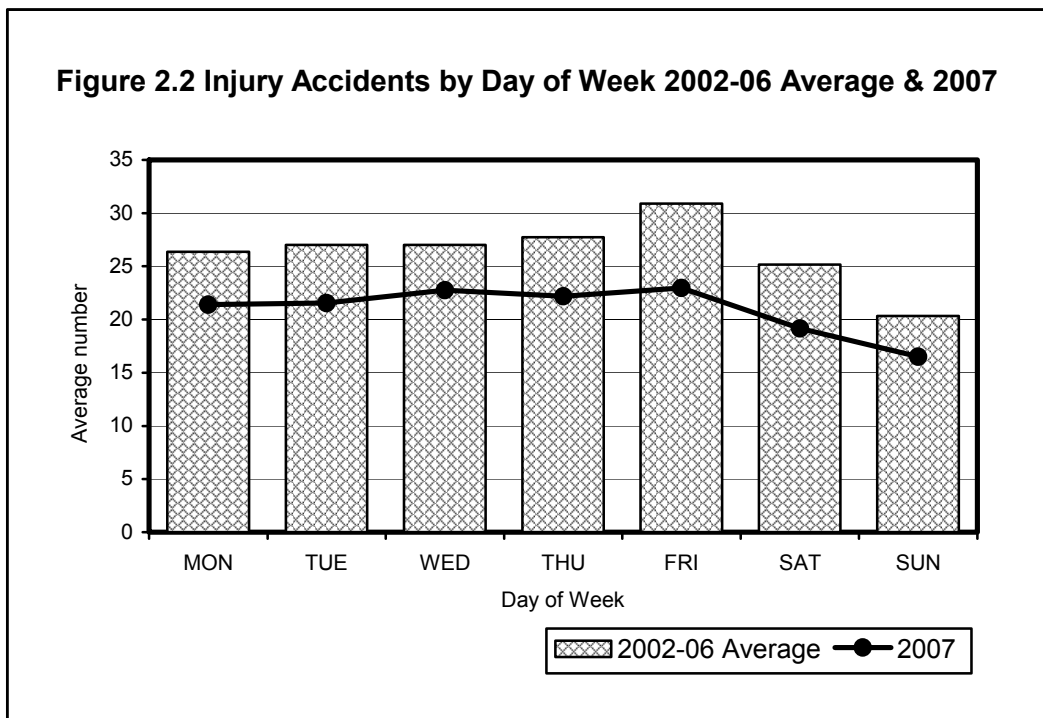
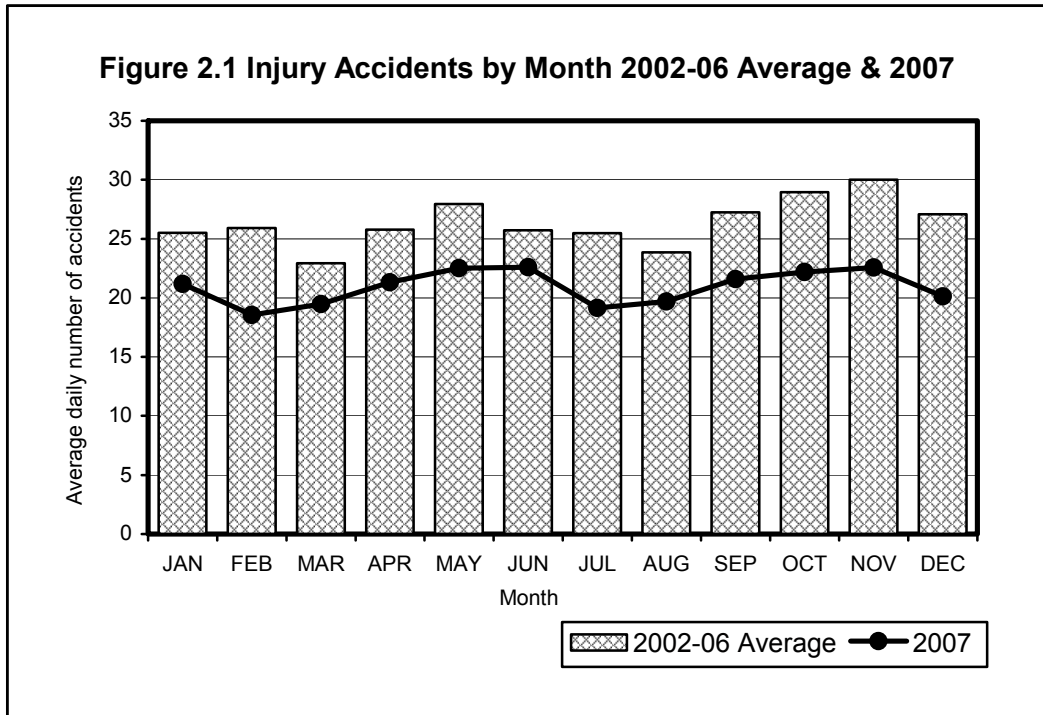
2. Accident Statistics

Accidents by Month

Table 2.1 Accidents by Month and Severity in 2007						
Month	Fatal	Serious	Slight	Total	KSI	Severity Index
January	8	69	580	657	77	0.12
February	5	46	469	520	51	0.10
March	11	58	535	604	69	0.11
April	10	65	565	640	75	0.12
May	13	67	618	698	80	0.11
June	2	73	603	678	75	0.11
July	9	56	529	594	65	0.11
August	5	77	529	611	82	0.13
September	6	68	574	648	74	0.11
October	8	78	602	688	86	0.13
November	3	60	614	677	63	0.09
December	9	61	554	624	70	0.11
Total 2007	89	778	6772	7639	867	0.11
2006	86	785	7557	8428	871	0.10
2005	81	894	8247	9222	975	0.11
2004	88	850	8822	9760	938	0.10
2003	114	884	9188	10186	998	0.10
2002	81	896	9568	10545	977	0.09
2001	102	875	10273	11250	977	0.09
2000	99	889	11022	12010	988	0.08
1999	84	929	10671	11684	1013	0.09
Ave 1994-98	106	1045	10925	12076	1151	0.10
1998	98	829	11177	12104	927	0.08
1997	111	965	10953	12029	1076	0.09
1996	106	1080	10750	11936	1186	0.10
1995	110	1116	10691	11917	1226	0.10
1994	107	1234	11054	12395	1341	0.11

Notes: KSI = Killed and Seriously Injured Severity Index = KSI/Total Accidents

Table 2.2 Average Number of Accidents per Day of Week by Month in 2007								
Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Average
January	22.2	21.6	24.8	23.0	20.5	15.3	19.8	21.2
February	21.5	19.0	16.5	20.5	25.3	13.5	13.8	18.6
March	22.5	19.0	20.8	16.8	21.2	20.0	16.3	19.5
April	27.0	18.5	21.3	24.3	21.0	19.0	17.8	21.3
May	19.3	26.4	23.6	22.2	25.5	20.0	19.5	22.5
June	22.3	25.8	23.3	21.8	23.6	23.2	18.0	22.6
July	19.0	19.0	18.3	23.8	22.3	20.0	13.4	19.2
August	17.5	21.3	20.6	21.6	21.8	17.3	16.8	19.7
September	21.5	24.0	27.5	22.3	23.3	17.6	17.2	21.6
October	21.0	24.8	26.2	21.8	23.0	22.8	14.5	22.2
November	19.5	20.8	25.5	24.6	27.0	24.0	15.0	22.6
December	22.2	17.0	23.8	24.5	20.8	17.2	16.6	20.1
Total 2007	21.4	21.5	22.8	22.2	23.0	19.2	16.5	20.9
2006	22.2	22.4	23.6	25.6	27.0	22.7	18.1	23.1
2005	24.1	26.3	26.8	25.7	29.5	24.4	20.1	25.3
2004	26.2	28.4	26.9	27.7	31.0	26.0	20.3	26.7
2003	29.6	29.2	27.9	28.9	33.2	25.7	20.8	27.9
2002	29.7	28.8	29.9	30.8	33.7	27.0	22.3	28.9
2001	29.4	31.3	32.8	33.1	35.1	30.4	23.7	30.8
2000	33.5	34.2	33.3	33.1	37.7	32.8	25.4	32.8
1999	32.1	32.9	33.1	35.2	36.5	30.1	24.2	32.0
Ave 1994-98	33.3	33.4	34.4	35.7	38.7	31.8	24.3	33.1
1998	34.4	33.9	33.9	35.1	38.8	30.3	25.8	33.2
1997	32.8	33.6	34.2	37.0	37.7	32.0	23.4	33.0
1996	33.3	30.7	33.2	36.3	38.6	31.4	24.9	32.6
1995	31.5	33.6	33.9	33.8	40.0	32.2	23.8	32.6
1994	34.7	35.0	36.7	36.3	38.2	33.1	23.7	34.0

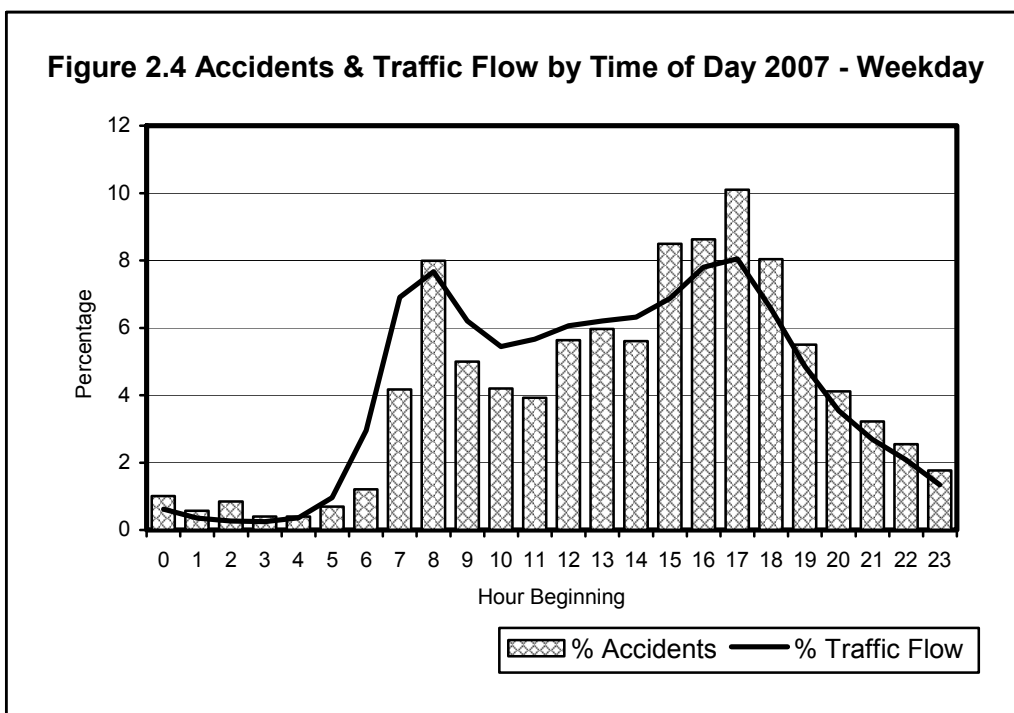
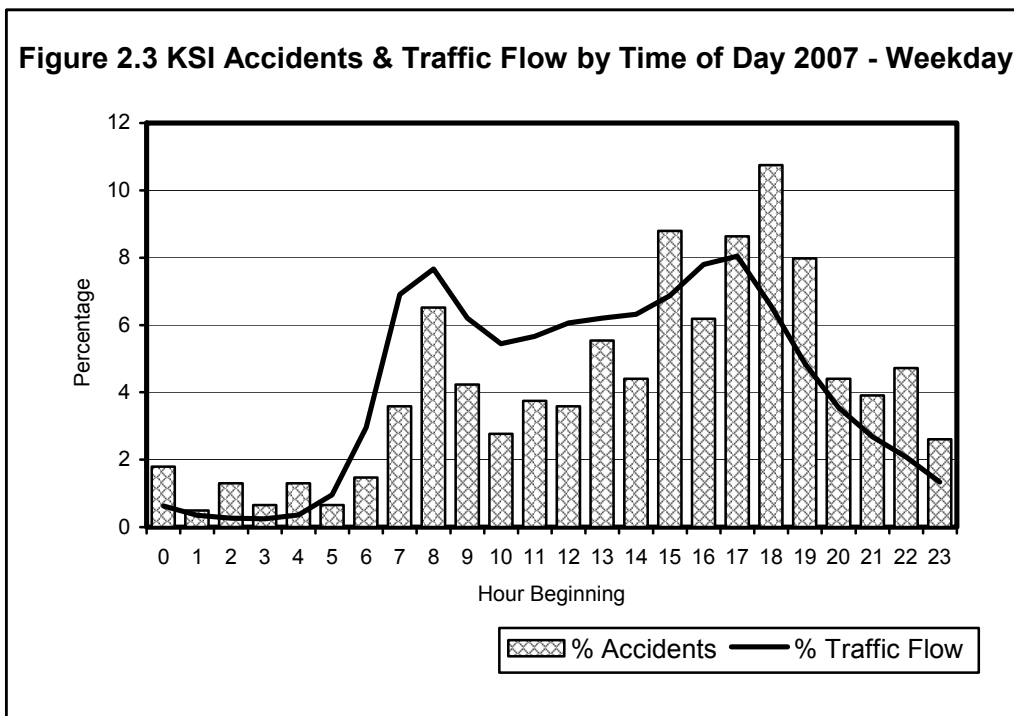


Accidents by Time of Day

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% KSI accidents/ % traffic volume
0000	2.4	2.8	2.4	2.0	3.0	2.8	2.6	2.8	2.6	2.2	2.9
0100	1.8	2.4	1.8	0.6	2.0	1.2	2.4	2.6	0.8	0.6	1.4
0200	1.2	2.0	1.8	1.2	2.6	1.8	1.6	1.8	2.2	1.6	4.9
0300	1.0	0.4	0.8	1.4	1.8	1.0	2.4	1.2	0.4	0.8	2.6
0400	0.7	0.6	0.0	1.0	0.2	0.2	0.4	0.2	0.4	1.6	3.6
0500	1.1	0.6	1.0	2.0	1.6	1.0	1.6	1.2	1.6	0.8	0.7
0600	2.2	2.4	1.6	1.6	0.6	2.6	1.8	1.4	2.4	1.8	0.5
0700	5.7	5.0	6.2	5.4	7.4	6.2	5.2	4.0	5.8	4.4	0.5
0800	8.5	9.6	7.2	8.6	6.0	7.8	9.0	7.6	6.6	8.0	0.9
0900	5.6	5.2	6.2	3.6	4.6	4.0	3.4	6.0	2.6	5.2	0.7
1000	6.2	4.4	4.0	3.4	4.6	4.8	3.8	3.4	5.2	3.4	0.5
1100	6.4	4.6	4.2	5.0	5.6	5.0	5.4	5.6	4.2	4.6	0.7
1200	7.2	8.0	6.0	6.0	6.0	5.8	3.4	6.8	5.8	4.4	0.6
1300	8.5	5.8	5.0	6.8	6.2	6.6	3.8	8.2	4.4	6.8	0.9
1400	7.6	7.0	8.0	9.0	9.0	7.4	5.8	6.6	7.4	5.4	0.7
1500	13.0	9.4	13.0	11.4	10.0	12.0	10.2	11.0	8.0	10.8	1.3
1600	16.2	12.8	15.4	9.4	17.4	11.6	13.0	12.0	12.6	7.6	0.8
1700	16.6	15.4	11.8	13.2	12.0	15.0	12.8	14.4	9.2	10.6	1.1
1800	13.3	13.0	11.4	14.4	9.0	10.2	10.0	9.0	10.0	13.2	1.6
1900	12.2	9.2	8.6	10.6	8.4	9.0	8.2	9.0	8.2	9.8	1.6
2000	10.2	7.8	7.0	6.2	8.0	7.4	8.4	5.8	9.6	5.4	1.2
2100	7.5	4.8	5.4	6.2	4.0	5.0	6.8	5.4	4.2	4.8	1.5
2200	6.4	4.6	4.6	4.4	5.8	3.2	4.6	4.4	4.4	5.8	2.3
2300	5.8	4.0	7.2	4.4	6.2	5.0	4.0	5.8	4.8	3.2	1.9
Total	167.4	141.8	140.6	137.8	142.0	136.6	130.6	136.2	123.4	122.8	

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% accidents/ % traffic volume
0000	16.8	19.0	17.0	15.0	18.4	16.0	15.4	15.2	14.4	11.6	1.6
0100	9.0	12.2	10.6	8.8	10.6	10.4	10.4	8.6	8.4	6.6	1.6
0200	8.0	8.6	8.8	9.0	9.4	10.2	10.8	8.4	9.6	9.8	3.2
0300	3.8	4.4	5.6	5.8	6.0	5.0	6.4	4.4	4.4	4.6	1.6
0400	3.5	4.4	2.6	4.8	1.8	3.2	3.2	4.2	2.6	4.6	1.1
0500	6.8	6.6	7.4	7.4	5.4	6.8	7.4	5.6	5.6	8.0	0.7
0600	17.5	17.6	19.8	16.4	13.4	16.8	17.0	13.0	18.4	14.0	0.4
0700	77.5	70.6	80.0	68.2	63.0	61.2	63.2	55.6	49.4	48.2	0.6
0800	147.7	146.8	146.8	129.4	127.6	128.0	111.6	107.2	96.8	92.4	1.0
0900	93.3	91.8	106.0	87.2	79.0	78.6	73.0	71.8	59.4	57.8	0.8
1000	78.8	79.6	68.8	63.0	71.4	62.0	58.6	60.6	54.6	48.6	0.8
1100	86.7	80.2	80.0	75.0	66.2	73.0	63.8	64.8	56.8	45.4	0.7
1200	97.1	100.8	90.4	94.4	88.8	79.2	76.2	78.4	68.6	65.2	0.9
1300	109.0	102.6	106.2	99.0	90.2	91.2	75.6	77.8	65.8	69.0	1.0
1400	101.5	95.2	100.6	99.6	93.8	86.0	81.0	76.8	75.4	64.8	0.9
1500	145.9	139.2	147.6	143.2	137.6	137.4	133.2	117.8	105.0	98.2	1.2
1600	171.9	159.2	160.2	153.0	146.0	145.8	140.2	120.4	112.0	99.8	1.1
1700	186.8	183.8	173.0	171.6	156.0	157.6	147.2	136.6	118.8	116.8	1.3
1800	131.9	139.4	131.4	133.4	121.8	111.8	106.6	101.0	92.8	93.0	1.2
1900	104.9	104.4	99.8	91.6	90.4	87.6	83.6	76.2	70.4	63.6	1.1
2000	83.7	79.8	78.8	77.4	75.2	66.0	62.8	59.0	59.6	47.6	1.2
2100	62.1	56.4	60.4	57.4	47.2	54.4	53.0	45.6	41.4	37.2	1.2
2200	46.5	39.6	44.0	45.4	41.6	37.8	40.6	36.8	41.6	29.4	1.2
2300	39.2	30.4	39.2	31.4	35.2	27.2	29.0	31.2	29.4	20.4	1.3
Total	1829.8	1772.6	1785.0	1687.4	1596.0	1553.2	1469.8	1377.0	1261.2	1156.6	

Note: The percentage of weekday traffic volumes used in the above tables is based on results from 51 two-way ATC sites on A roads throughout the county in 2007 (Table 2.11, GMTU Report 1387)



Note:

To compare the weekday distribution of accidents with those of Saturday and Sunday, the total average weekday was calculated:

Total weekday accidents occurring in hour

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% KSI accidents/ % traffic volume
0000	7	9	9	8	7	6	9	6	6	7	3.2
0100	6	9	6	11	6	7	4	9	9	12	7.8
0200	8	5	6	9	3	11	19	5	10	6	4.9
0300	2	6	4	3	1	2	3	5	6	4	4.2
0400	1	0	6	3	3	3	2	3	2	2	2.5
0500	1	2	1	2	4	3	1	2	3	2	1.8
0600	2	2	1	3	1	1	4	3	2	2	1.0
0700	3	2	3	2	2	0	3	3	1	1	0.3
0800	2	4	5	2	1	3	2	7	3	5	0.9
0900	3	2	1	1	3	4	0	2	4	7	0.9
1000	7	8	6	2	7	10	4	4	3	5	0.6
1100	8	7	13	6	7	6	6	5	2	5	0.5
1200	8	11	8	9	3	7	8	8	5	6	0.5
1300	10	13	11	6	10	6	9	3	6	1	0.1
1400	11	6	7	12	8	9	5	15	10	9	0.9
1500	10	9	12	15	8	7	4	14	5	9	0.9
1600	15	13	7	6	12	17	8	10	3	6	0.6
1700	15	6	7	10	14	10	5	12	13	11	1.2
1800	13	17	19	11	6	13	11	5	6	13	1.7
1900	9	13	9	12	8	17	11	12	12	7	1.1
2000	9	11	8	5	7	10	12	11	10	5	1.0
2100	9	10	2	5	5	12	10	10	7	2	0.5
2200	6	8	5	6	9	8	5	9	8	4	1.2
2300	10	10	12	9	10	2	14	8	8	6	2.0
Total	175	183	168	158	145	174	159	171	144	137	

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% accidents/ % traffic volume
0000	53	49	70	65	39	48	48	45	44	36	2.3
0100	32	36	37	39	37	39	32	31	40	29	2.6
0200	39	29	43	51	41	51	48	25	35	30	3.4
0300	13	17	23	26	28	20	33	20	22	20	2.9
0400	10	9	16	15	8	11	9	15	22	13	2.2
0500	6	10	8	10	6	10	6	5	14	13	1.6
0600	11	16	7	11	9	7	17	10	11	15	1.0
0700	25	20	21	20	17	15	16	17	13	15	0.6
0800	36	44	31	35	26	26	29	20	26	24	0.6
0900	53	38	46	37	41	37	31	28	34	35	0.6
1000	71	73	72	67	62	75	68	44	46	52	0.8
1100	106	93	135	89	81	85	72	81	66	44	0.6
1200	129	144	153	105	92	100	100	105	79	65	0.8
1300	137	102	137	121	124	100	79	97	88	66	0.8
1400	137	118	124	107	127	100	93	97	79	76	1.0
1500	118	105	113	121	105	84	85	93	75	65	0.9
1600	118	106	113	116	95	94	84	74	73	65	0.9
1700	119	98	102	117	96	87	85	91	84	59	0.9
1800	104	106	120	98	78	87	103	84	61	70	1.2
1900	92	99	104	91	69	77	82	89	72	63	1.3
2000	87	71	86	70	74	65	81	70	59	48	1.3
2100	63	61	53	59	48	51	50	55	50	39	1.4
2200	45	54	51	56	57	32	52	52	40	30	1.2
2300	56	67	74	57	45	37	51	43	46	25	1.1
Total	1658	1565	1739	1583	1405	1338	1354	1291	1179	997	

Note: The percentage of Saturday traffic volumes used in the above tables is based on results from 51 two-way ATC sites on A roads throughout the county in 2007 (Table 2.11, GMTU Report 1387)

Figure 2.5 KSI Accidents & Traffic Flow by Time of Day 2007 - Saturday

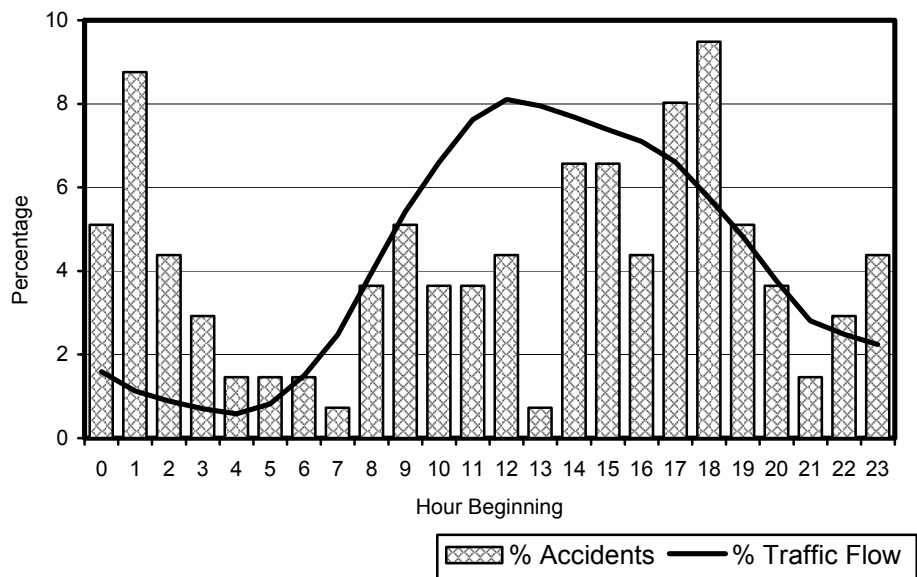
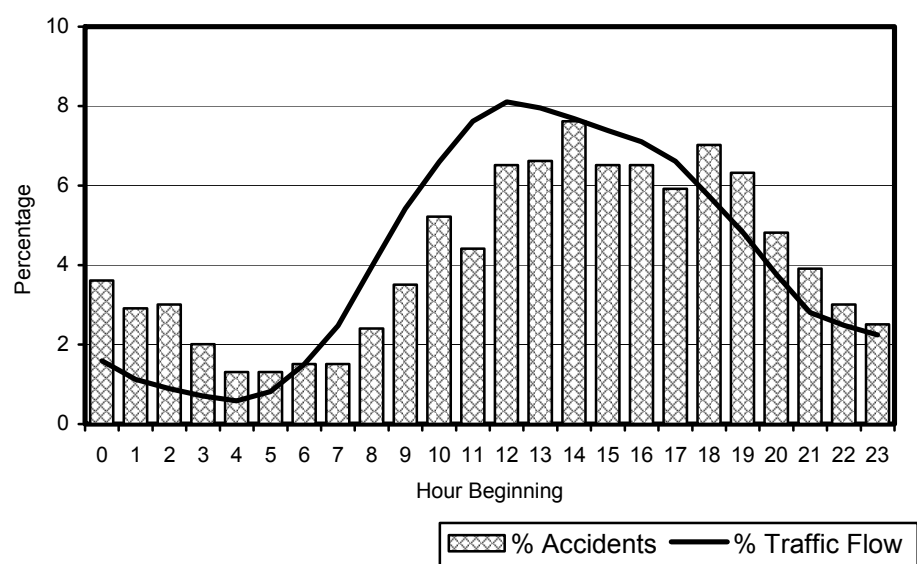


Figure 2.6 Accidents & Traffic Flow by Time of Day 2007 - Saturday



From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% KSI accidents/ % traffic volume
0000	7	4	6	5	9	7	10	7	13	5	2.1
0100	4	8	4	5	6	8	5	8	2	3	1.7
0200	7	5	6	12	12	3	10	9	5	2	1.4
0300	3	4	6	5	6	6	9	2	1	3	2.5
0400	1	2	4	1	2	2	1	2	6	1	1.2
0500	1	0	0	2	2	3	1	0	2	1	1.2
0600	1	0	0	1	0	2	2	0	2	0	0.0
0700	2	4	2	2	3	5	0	0	0	2	1.1
0800	1	2	2	5	1	0	1	1	0	2	0.8
0900	2	2	2	4	3	4	2	0	0	0	0.0
1000	3	1	2	3	1	5	4	1	5	4	0.6
1100	4	2	6	2	4	5	1	4	7	11	1.2
1200	7	10	5	3	1	7	2	10	1	8	0.8
1300	9	7	3	6	4	7	6	10	8	9	0.8
1400	9	6	2	13	10	9	10	10	8	8	0.8
1500	11	11	6	10	8	5	6	13	11	8	0.8
1600	9	5	10	6	6	7	10	4	6	5	0.6
1700	10	8	6	6	5	13	7	14	5	7	1.0
1800	9	7	8	6	10	11	12	8	7	9	1.4
1900	8	13	7	9	8	8	5	4	4	3	0.6
2000	9	4	7	8	6	7	6	3	1	6	1.4
2100	7	7	6	6	5	6	3	4	7	7	2.1
2200	6	2	7	4	4	5	7	5	7	7	2.8
2300	9	7	10	6	6	6	6	4	2	5	2.7
Total	140	121	117	130	122	141	126	123	110	116	

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	% accidents/ % traffic volume
0000	48	56	49	57	55	37	42	42	47	34	1.9
0100	31	31	38	38	32	31	32	41	30	26	2.0
0200	39	36	47	47	57	43	51	48	33	20	1.9
0300	21	24	30	22	35	31	26	25	17	21	2.4
0400	8	11	18	16	14	11	11	12	15	10	1.6
0500	6	4	4	7	8	13	7	2	7	13	2.1
0600	8	5	4	6	7	7	5	5	7	9	0.9
0700	13	12	10	10	11	11	13	14	8	12	0.9
0800	14	12	16	21	7	11	14	12	12	14	0.8
0900	25	25	22	22	22	21	19	22	19	13	0.4
1000	49	48	54	41	40	28	46	25	33	30	0.6
1100	63	54	78	63	55	39	50	49	60	47	0.7
1200	93	91	95	79	57	76	65	72	62	52	0.7
1300	106	123	126	94	75	102	83	74	74	81	1.0
1400	96	114	103	118	95	78	82	76	77	62	0.8
1500	96	87	89	109	73	73	60	65	68	66	0.9
1600	95	78	107	86	78	77	74	72	65	60	0.9
1700	83	80	90	70	92	80	73	68	59	71	1.3
1800	82	77	72	68	75	80	69	73	59	53	1.1
1900	75	82	72	65	71	66	54	53	51	48	1.2
2000	73	75	75	64	60	57	59	65	42	37	1.2
2100	51	48	55	46	61	46	44	45	40	34	1.4
2200	44	31	44	44	50	34	40	52	32	28	1.5
2300	50	52	48	37	30	30	38	34	26	18	1.3
Total	1269	1256	1346	1230	1160	1082	1057	1046	943	859	

Note: The percentage of Sunday traffic volumes used in the above tables is based on results from 51 two-way ATC sites on A roads throughout the county in 2007 (Table 2.11, GMTU Report 1387)

Figure 2.7 KSI Accidents & Traffic Flow by Time of Day 2007 - Sunday

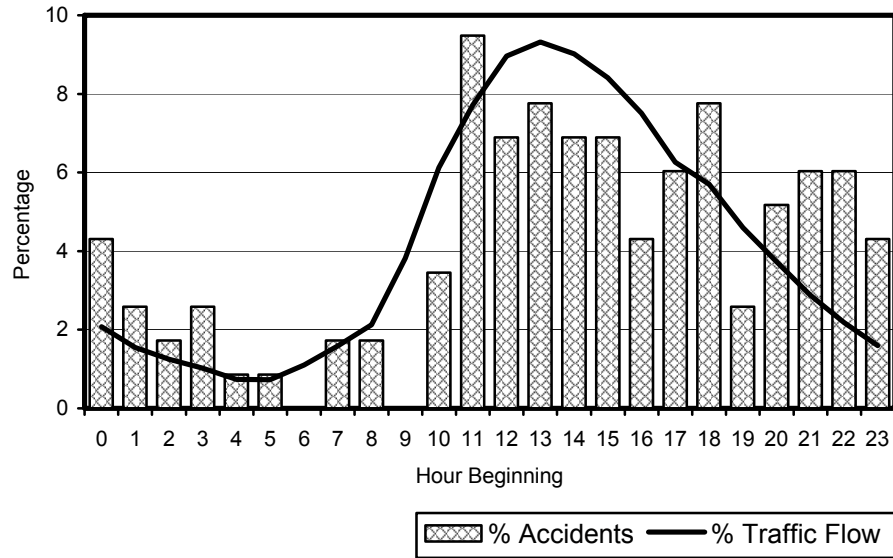
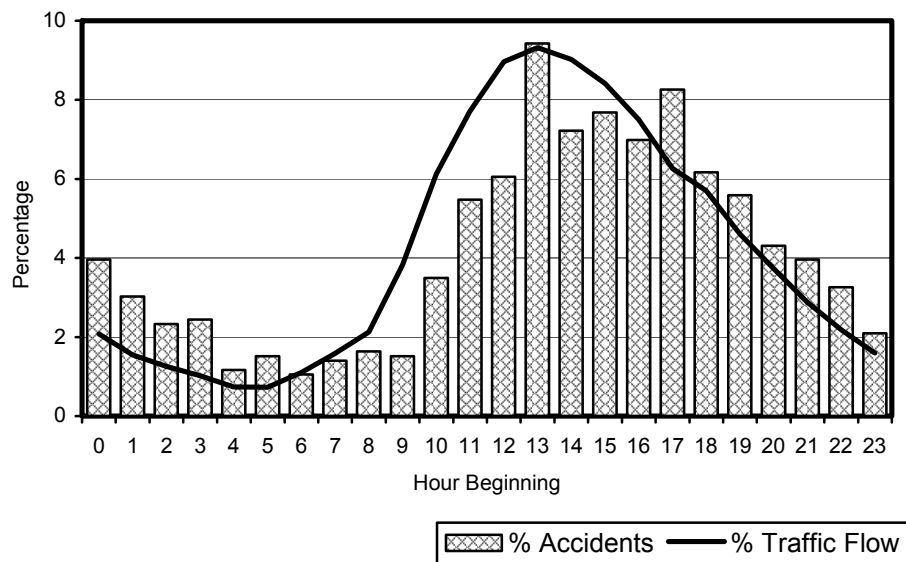


Figure 2.8 Accidents & Traffic Flow by Time of Day 2007 - Sunday



Accidents on A Class Roads

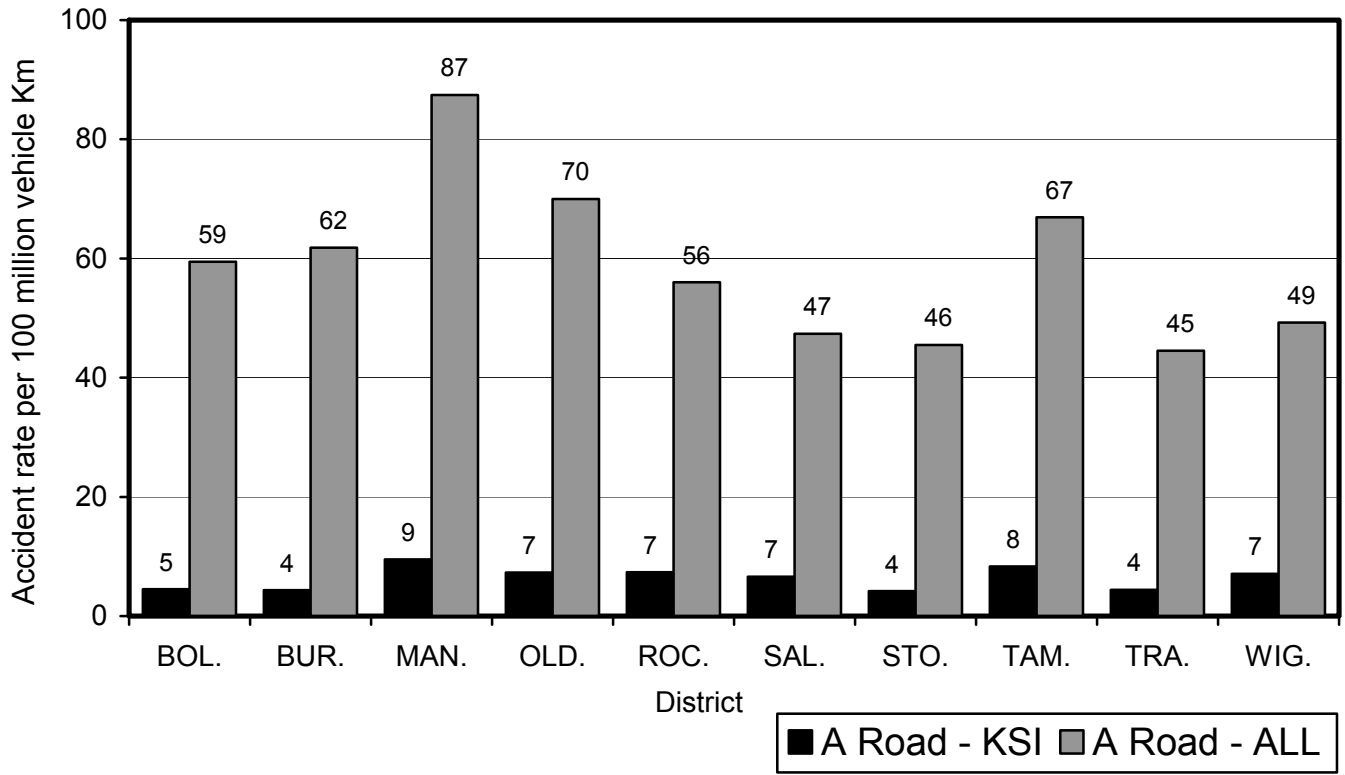
District	Road Length KM	Car KSI Accidents	Accident Rate Per 100 Million Car Km	Goods KSI Accidents	Accident Rate Per 100 Million Goods Km	All KSI Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	101	30	5	3	3	33	5
Bury	55	13	4	3	7	16	4
Manchester	116	81	9	12	10	96	9
Oldham	98	28	7	6	9	34	7
Rochdale	80	27	7	5	9	33	7
Salford	87	38	6	4	4	46	7
Stockport	84	21	4	8	11	27	4
Tameside	65	29	9	3	6	31	8
Trafford	58	19	5	3	6	19	4
Wigan	117	39	7	7	6	51	7
Total (All GM)	861	325	6	54	7	386	7

District	Road Length KM	Car Accidents	Accident Rate Per 100 Million Car Km	Goods Accidents	Accident Rate Per 100 Million Goods Km	All Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	101	406	65	45	47	433	59
Bury	55	217	68	24	57	228	62
Manchester	116	798	92	73	63	885	87
Oldham	98	303	77	42	66	326	70
Rochdale	80	228	59	21	37	252	56
Salford	87	295	50	43	44	331	47
Stockport	84	261	46	43	58	294	46
Tameside	65	229	73	28	53	249	67
Trafford	58	175	47	31	58	191	45
Wigan	117	320	54	50	46	353	49
Total (All GM)	861	3232	64	400	53	3542	60

Notes:

1. Accident rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1387 'Transport Statistics Greater Manchester 2007'.
2. A roads include A(M) roads (but exclude the A627(M)).
3. Some 'car' accidents may also involve 'goods' and vice-versa. Thus, there may be fewer 'all vehicle' accidents than the total of 'car' and 'goods' accidents.
4. KSI = Killed and Seriously Injured.

Figure 2.9 All Vehicle Accident Rates on A Roads by District 2007



Accidents on B Class Roads

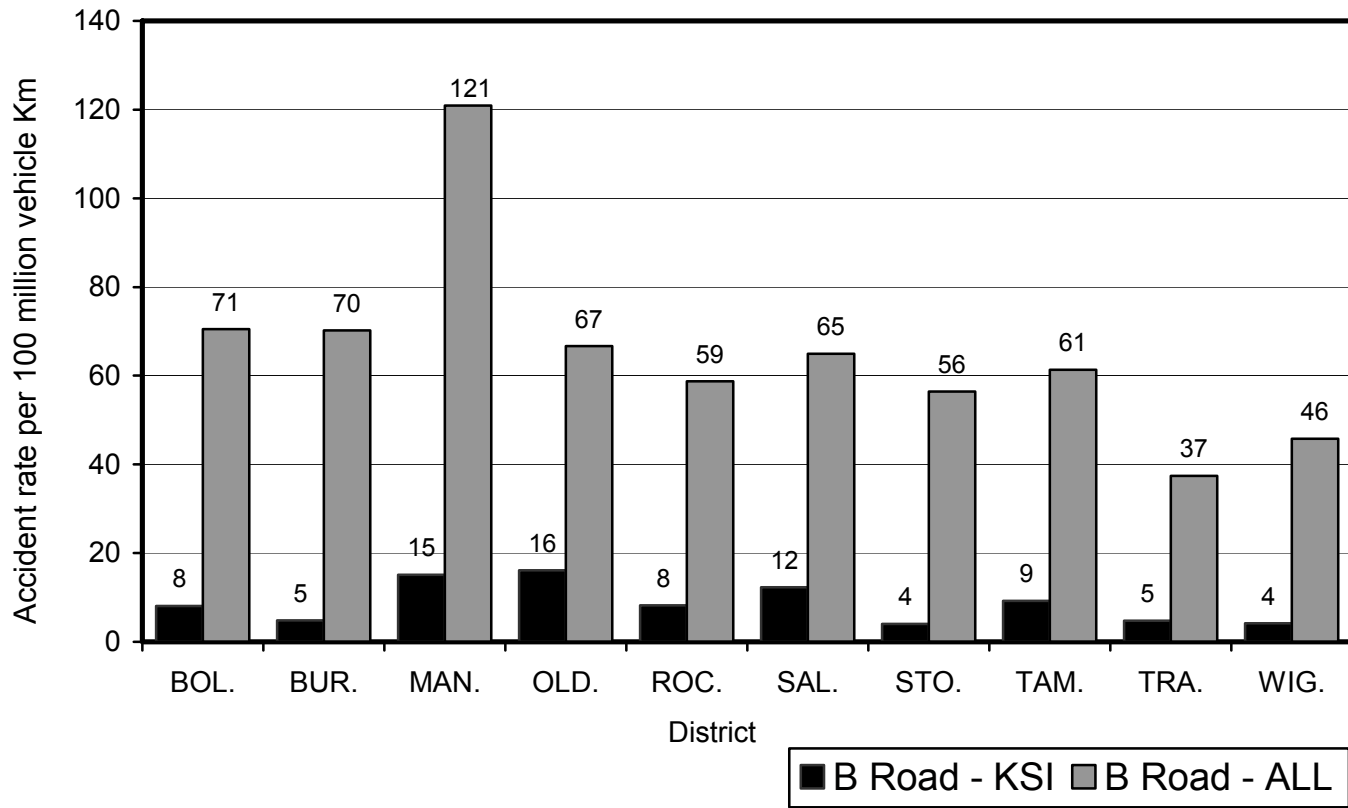
District	Road Length KM	Car KSI Accidents	Accident Rate Per 100 Million Car Km	Goods KSI Accidents	Accident Rate Per 100 Million Goods Km	All KSI Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	46	13	9	0	0	14	8
Bury	33	5	5	1	9	5	5
Manchester	36	24	16	1	6	26	15
Oldham	30	14	18	2	17	15	16
Rochdale	23	8	10	1	9	8	8
Salford	29	11	11	2	17	14	12
Stockport	36	7	5	0	0	7	4
Tameside	32	11	11	1	7	11	9
Trafford	52	10	5	1	5	10	5
Wigan	56	9	4	1	4	10	4
Total (All GM)	374	112	9	10	6	120	8

District	Road Length KM	Car Accidents	Accident Rate Per 100 Million Car Km	Goods Accidents	Accident Rate Per 100 Million Goods Km	All Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	46	113	75	10	53	122	71
Bury	33	69	75	6	55	73	70
Manchester	36	188	125	13	81	208	121
Oldham	30	56	70	5	42	62	67
Rochdale	23	53	63	5	45	57	59
Salford	29	68	68	6	50	74	65
Stockport	36	94	62	5	29	97	56
Tameside	32	67	66	12	80	73	61
Trafford	52	73	39	8	40	79	37
Wigan	56	100	49	9	33	109	46
Total (All GM)	374	881	68	79	49	954	64

Notes:

1. Accident rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1387 'Transport Statistics Greater Manchester 2007'.
2. KSI = Killed and Seriously Injured.
3. Some 'car' accidents may also involve 'goods' and vice-versa. Thus, there may be fewer 'all vehicle' accidents than the total of 'car' and 'goods' accidents.

Figure 2.10 All Vehicle Accident Rates on B Roads by District 2007



Accidents on Motorways

Table 2.13 Injury Accident Rates Per 100 Million Vehicle Motorway Kilometres															
Road Number	2003			2004			2005			2006			2007		
	Injury Accidents	Vehicle Km (Millions)	Rate Per 10 ⁸ Veh Km	Injury Accidents	Vehicle Km (Millions)	Rate Per 10 ⁸ Veh Km	Injury Accidents	Vehicle Km (Millions)	Rate Per 10 ⁸ Veh Km	Injury Accidents	Vehicle Km (Millions)	Rate Per 10 ⁸ Veh Km	Injury Accidents	Vehicle Km (Millions)	Rate Per 10 ⁸ Veh Km
Outer Radials															
M56	43	399	11	40	413	10	33	416	8	55	413	13	38	413	9
M61	64	587	11	68	619	11	62	627	10	75	626	12	54	638	8
M62 (M63 to Boundary)	32	346	9	15	337	4	31	349	9	29	355	8	28	367	8
0M62 (M66 to Boundary)	98	719	14	90	751	12	77	783	10	90	772	12	68	788	9
M66 (North of M62)	29	308	9	24	312	8	23	316	7	24	322	7	32	331	10
M67	12	105	11	11	108	10	13	113	12	20	113	18	20	114	18
M60 Formerly M63 (Spur)				1	9	11	0	9	0	0	9	0	1	9	11
Total	281	2473	11	249	2549	10	239	2613	9	293	2610	11	241	2660	9
M60 Ring (Northern Section)															
Formerly M62 (M63 to M66)	93	669	14	90	684	13	72	689	10	84	703	12	79	717	11
Formerly M66 (South of M62)	9	69	13	10	72	14	6	72	8	8	75	11	10	76	13
M60 (Middleton to Denton)	15	466	3	32	495	6	30	509	6	38	503	8	35	507	7
Total	117	1204	10	132	1251	11	108	1270	9	130	1281	10	124	1300	10
M60 (Southern Section)															
Formerly M63	107	935	11	99	956	10	104	912	11	102	943	11	114	967	12
Formerly M66 (Brinnington to Denton)	10	146	7	10	152	7	10	158	6	13	156	8	15	155	10
Total	117	1081	11	109	1108	10	114	1070	11	115	1099	10	129	1122	11
Others															
M602	23	145	16	30	148	20	24	153	16	30	153	20	22	156	14
M6	27	494	5	30	495	6	44	541	8	44	532	8	30	542	6
M58	10	19	53	6	21	29	1	21	5	7	20	35	3	20	15
A627(M)	26	89	29	28	94	30	18	95	19	12	99	12	21	99	21
Total	86	747	12	94	758	12	87	810	11	93	804	12	76	817	9
Grand Total	601	5505	11	584	5665	10	548	5763	10	631	5795	11	570	5899	10

Notes: Outer Radials – Motorways approaching the motorway ring around the conurbation core

M60 Ring (Northern Section) - Motorways forming the northern ring

M60 Ring (Southern Section) - Motorways forming the southern ring

Others - Motorways not included in the other three sections

* - Accident Rates for 2001 onwards include the M60 Denton to Middleton Link

Motorways in Greater Manchester

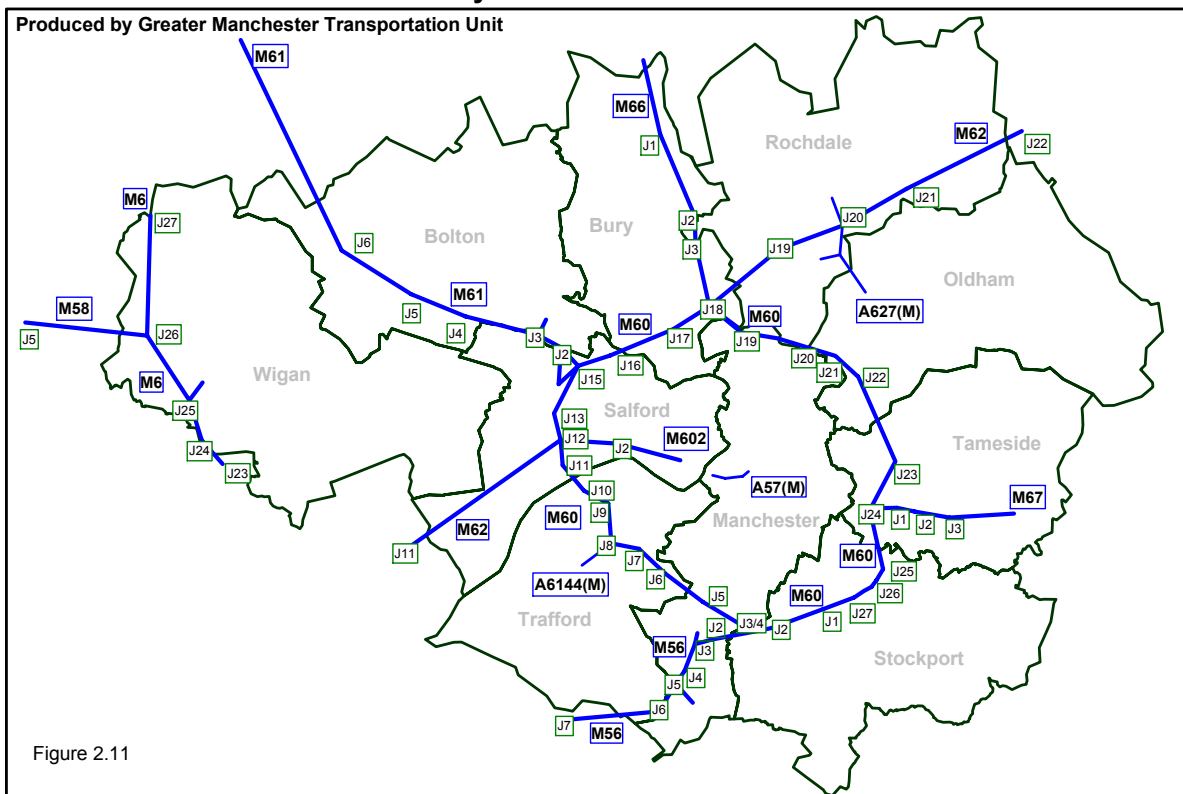
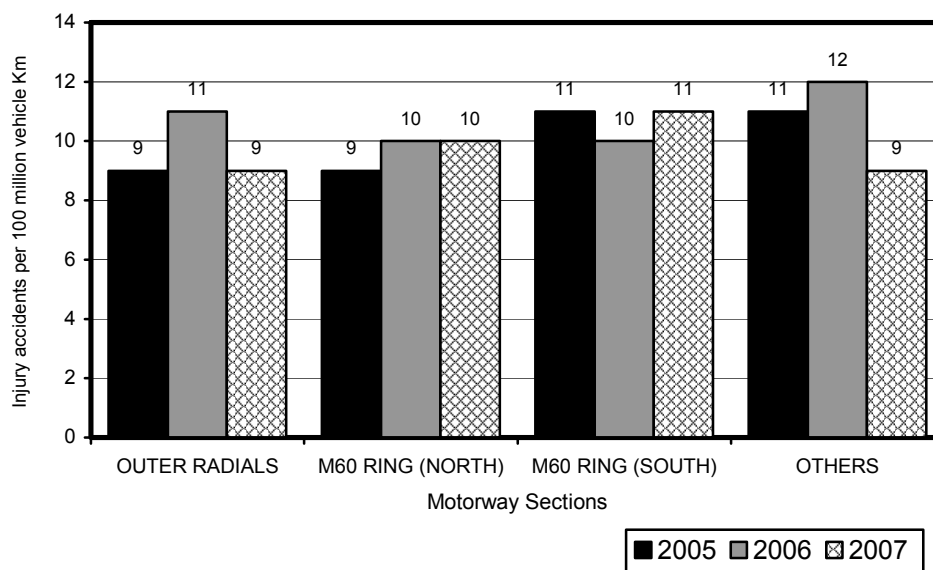


Figure 2.12 Injury Accident Rates on Motorway Sections 2005-2007



3. Vehicle Statistics

Vehicles Involved in Injury Accidents

Vehicle	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007
Pedal Cycle	1201	1138	1120	992	851	856	831	805	787	756
Moped	63	89	185	220	205	230	212	216	156	145
Motor Cycle 51-125cc	23	137	259	245	238	228	222	229	185	201
Motor Cycle 126-500cc	0	0	0	0	0	0	0	94	99	94
Motor Cycle > 500cc	0	0	0	0	0	0	0	226	241	247
Motor Cycle >125cc*	520	439	461	414	446	419	408	79	0	0
Taxi	159	171	204	166	194	143	182	424	441	373
Car	17490	17159	17464	16317	15354	14687	14124	12939	11995	10813
Mini-Bus	106	102	92	78	84	97	102	86	75	74
PCV/Tram	649	610	654	714	631	568	533	567	512	416
Goods <= 3.5T	1189	1169	1116	853	850	857	642	636	541	517
Goods > 3.5T	632	598	603	587	486	502	442	440	440	431
Other Motor	124	178	191	204	168	198	307	306	230	190
Other Non Motor	17	15	18	28	15	18	27	14	15	11
Total	22174	21805	22367	20818	19522	18803	18032	17061	15717	14268
% 'Hit and Run'	7.3	9.4	10.3	11.2	12.4	12.0	10.6	12.6	11.6	10.9

Notes: From 1999 the definitions for the vehicle type variable were revised. The main category that was affected by the review was motorcycles, which were split into two groups above and below 125cc. Prior to 1999 the split was between scooters and motorcycles. From April 2005 the definitions for motorcycles were split further into three groups, 51-125cc, 126-500cc and over 500cc.

* - The vehicle type variable 'Motorcycles over 125cc' was ended March 2005.

Object Hit	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	2007
Road sign, traffic signal	117	122	124	97	114	108	125	127	125	110
Lamp post	191	162	172	186	151	154	171	119	124	132
Telegraph electricity pole	18	14	23	19	23	20	12	18	15	9
Tree	87	76	66	92	80	83	95	70	87	76
Bus stop/shelter	14	10	11	12	19	11	18	16	12	15
Central safety barrier	92	114	105	105	101	108	58	79	104	82
Near/offside safety barrier	126	131	119	143	142	150	157	130	136	136
Submerged in water (completely)	0	0	0	2	0	0	0	1	0	1
Entered ditch	17	17	8	11	14	19	10	10	15	19
Other permanent object	436	421	456	417	405	430	378	400	416	309
Total Vehicles Involved	1100	1067	1084	1084	1049	1083	1024	970	1034	889
Pedestrians hit while										
On footway/verge	184	177	208	194	198	211	186	177	153	153
On refuge/island/reservation	8	14	8	4	10	11	11	7	6	10

Vehicle Drivers Involved in Accidents by Sex and Age

Table 3.3 Drivers by Vehicle Type, Sex and Age of Driver – 2007																				
	Car Drivers				Pedal Cyclists				TWPV Drivers				Other Drivers				All Drivers			
	M	F	NT	All	M	F	NT	All	M	F	NT	All	M	F	NT	All	M	F	NT	All
0-4	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2
5-9	0	1	0	1	37	4	0	41	0	0	0	0	0	0	1	1	37	5	1	43
10-14	4	1	0	5	97	13	0	110	2	0	0	2	0	0	0	0	103	14	0	117
15-19	472	231	1	704	86	4	1	91	167	11	0	178	21	1	0	22	746	247	2	995
20-24	896	533	7	1436	73	17	0	90	81	8	0	89	92	5	0	97	1142	563	7	1712
25-29	798	490	4	1292	56	18	0	74	66	3	0	69	117	11	0	128	1037	522	4	1563
30-34	1172	640	225	2037	85	16	0	101	70	7	2	79	258	13	46	317	1585	676	273	2534
35-39	743	490	36	1269	49	17	0	66	73	6	0	79	195	18	3	216	1060	531	39	1630
40-44	687	425	12	1124	53	4	0	57	70	5	0	75	202	18	2	222	1012	452	14	1478
45-49	552	313	11	876	36	2	0	38	42	1	0	43	148	7	4	159	778	323	15	1116
50-54	388	201	4	593	14	2	0	16	26	1	0	27	121	9	0	130	549	213	4	766
55-59	328	178	2	508	19	8	0	27	17	0	0	17	102	1	0	103	466	187	2	655
60-64	241	103	2	346	15	5	0	20	9	1	0	10	51	1	0	52	316	110	2	428
65-69	128	60	1	189	8	0	0	8	8	0	0	8	8	2	0	10	152	62	1	215
70+	240	92	0	332	12	2	0	14	0	0	0	0	5	0	0	5	257	94	0	351
Unknown	234	50	264	548	1	0	0	1	6	0	5	11	52	2	49	103	293	52	318	663
All Ages	6883	3808	569	11260	643	112	1	756	637	43	7	687	1372	88	105	1565	9535	4051	682	14268

Notes: M = Male
 F = Female
 NT = not traced

Vehicles Involved in Injury Accidents by Road Class

Table 3.4 Vehicle Involvement Rates: By Vehicle Type and Road Class 2003-2007															
	2003			2004			2005			2006			2007		
	Vehicle Km (millions)	Vehicle Accidents	Rate	Vehicle Km (millions)	Vehicle Accidents	Rate	Vehicle Km (millions)	Vehicle Accidents	Rate	Vehicle Km (millions)	Vehicle Accidents	Rate	Vehicle Km (millions)	Vehicle Accidents	Rate
Motorway															
Cars	4133	1042	25	4231	1036	24	4361	1031	24	4322	1103	26	4409	1062	24
Goods	1332	279	21	1396	234	17	1362	219	16	1434	279	19	1456	211	14
All Vehicles	5505	1360	25	5665	1321	23	5763	1285	22	5795	1416	24	5899	1303	22
A Road															
Cars	4993	6963	139	4972	7022	141	5002	6462	129	5003	5888	118	5022	5308	106
Goods	721	620	86	746	473	63	738	518	70	749	385	51	759	436	57
All Vehicles	5834	8719	149	5834	8676	149	5858	8183	140	5867	7298	124	5890	6751	115
B Road															
Cars	1282	1899	148	1287	1725	134	1299	1677	129	1290	1432	111	1302	1342	103
Goods	153	136	89	159	108	68	159	99	62	160	105	66	161	83	52
All Vehicles	1468	2390	163	1479	2152	146	1492	2106	141	1482	1839	124	1494	1719	115

Notes: This table shows the total number of vehicles involved in road accidents, rather than the number of accidents involving that vehicle category.
Motorway includes the A627(M).

4. Driver Statistics

Drivers Involved in Injury Accidents

Table 4.1 attempts to show how the percentage of young male drivers varies between all accidents and 'speeding' accidents. Since speed is not a variable recorded on STATS19, a proxy has been used based on the national contributory factors (implemented in April 2005) as follows:

- The national contributory factors were 'exceeding speed limit', 'travelling too fast for conditions', 'following too close', 'sudden braking', 'loss of control', or 'aggressive driving'.

Table 4.1 Comparison of Numbers of Young Drivers Involved in Accidents by Sex, from April 2005 to December 2007

Drivers Involved in		Male	Female	Not Traced	All
All Accidents	All Ages	19814	11228	1596	32638
	17-25	4872	2695	87	7654
	%17-25/All	24.6	24.0	5.5	23.5
All KSI Accidents	All Ages	1663	718	194	2575
	17-25	491	180	12	683
	%17-25/All	29.5	25.1	6.2	26.5
All 'Speeding' Accidents	All Ages	5572	2661	645	8878
	17-25	1639	685	40	2364
	%17-25/All	29.4	25.7	6.2	26.6
All KSI 'Speeding' Accidents	All Ages	599	199	98	896
	17-25	222	53	4	279
	%17-25/All	37.1	26.6	4.1	31.1

Notes: Car: STATS19 code, type of vehicle = 9 only

The 'Speeding' vehicle was defined as the contributory factors were 'exceeding speed limit', 'travelling too fast for conditions', 'following too close', 'sudden braking', 'loss of control', or 'aggressive driving'.

From Hour	Car Drivers involved in All Accidents				Car Drivers involved in All 'Speeding' Accidents			
	Male	Female	Not Traced	All	Male	Female	Not Traced	All
0000	371	93	59	523	159	33	24	216
0100	247	55	51	353	115	17	28	160
0200	255	50	57	362	90	19	32	141
0300	150	35	37	222	86	20	22	128
0400	128	22	18	168	71	10	8	89
0500	124	26	18	168	39	8	3	50
0600	255	81	20	356	86	25	16	127
0700	701	363	37	1101	193	74	11	278
0800	1030	968	56	2054	260	188	13	461
0900	729	602	35	1366	214	139	18	371
1000	790	483	53	1326	188	107	19	314
1100	877	572	63	1512	210	141	29	380
1200	1193	723	65	1981	299	164	19	482
1300	1204	786	75	2065	367	196	27	590
1400	1212	698	68	1978	306	142	22	470
1500	1436	943	108	2487	330	203	27	560
1600	1568	988	93	2649	431	239	40	710
1700	1830	1135	128	3093	442	256	46	744
1800	1458	840	114	2412	392	215	47	654
1900	1241	623	91	1955	305	143	30	478
2000	1007	438	93	1538	291	108	47	446
2100	792	317	93	1202	249	83	49	381
2200	696	246	92	1034	249	90	38	377
2300	520	141	72	733	200	41	30	271
Total	19814	11228	1596	32638	5572	2661	645	8878

Notes: Car: STATS19 code, type of vehicle = 9 only

The 'Speeding' vehicle was defined as the contributory factors were 'exceeding speed limit', 'travelling too fast for conditions', 'following too close', 'sudden braking', 'loss of control', or 'aggressive driving'.

From Hour	Car Drivers involved in KSI Accidents				Car Drivers involved in KSI 'Speeding' Accidents			
	Male	Female	Not Traced	All	Male	Female	Not Traced	All
0000	45	15	11	71	26	7	5	38
0100	46	7	7	60	33	4	3	40
0200	43	11	14	68	22	5	10	37
0300	21	7	9	37	18	6	5	29
0400	28	3	3	34	16	2	1	19
0500	23	1	4	28	9	0	1	10
0600	19	7	3	29	13	2	2	17
0700	49	23	3	75	14	6	0	20
0800	56	50	6	112	18	11	2	31
0900	42	30	3	75	6	9	2	17
1000	43	25	3	71	10	5	1	16
1100	61	24	14	99	23	7	9	39
1200	64	35	8	107	20	6	1	27
1300	60	44	6	110	22	13	1	36
1400	96	43	10	149	24	9	3	36
1500	104	58	13	175	27	14	6	47
1600	104	52	5	161	31	13	3	47
1700	139	76	10	225	34	14	7	55
1800	130	62	11	203	34	14	5	53
1900	130	42	6	178	37	10	3	50
2000	93	35	12	140	36	13	9	58
2100	79	30	13	122	44	13	9	66
2200	93	28	10	131	34	11	6	51
2300	95	10	10	115	48	5	4	57
Total	1663	718	194	2575	599	199	98	896

Notes: Car: STATS19 code, type of vehicle = 9 only

The 'Speeding' vehicle was defined as the contributory factors were 'exceeding speed limit', 'travelling too fast for conditions', 'following too close', 'sudden braking', 'loss of control', or 'aggressive driving'.

Table 4.4 Numbers of Car Drivers Involved in Injury Accidents by Day of Week and Sex, from April 2005 to December 2007								
Day of Week	Car Drivers involved in All Accidents				Car Drivers involved in All 'Speeding' Accidents			
	Male	Female	Not Traced	All	Male	Female	Not Traced	All
Monday	2764	1603	210	4577	724	363	91	1178
Tuesday	2687	1657	196	4540	708	400	67	1175
Wednesday	2873	1823	227	4923	780	429	75	1284
Thursday	2870	1747	176	4793	839	385	66	1290
Friday	3209	1893	249	5351	862	439	104	1405
Saturday	2897	1363	293	4553	869	356	124	1349
Sunday	2514	1142	245	3901	790	289	118	1197
Total	19814	11228	1596	32638	5572	2661	645	8878

Table 4.5 Numbers of Car Drivers Involved in KSI Accidents by Day of Week and Sex, from April 2005 to December 2007								
Day of Week	Car Drivers involved in KSI Accidents				Car Drivers involved in KSI 'Speeding' Accidents			
	Male	Female	Not Traced	All	Male	Female	Not Traced	All
Monday	188	112	25	325	63	26	13	102
Tuesday	201	99	12	312	64	29	6	99
Wednesday	210	100	12	322	69	31	5	105
Thursday	233	108	20	361	87	28	8	123
Friday	279	112	30	421	77	19	13	109
Saturday	303	106	60	469	132	38	33	203
Sunday	249	81	35	365	107	28	20	155
Total	1663	718	194	2575	599	199	98	896

Notes: Car: STATS19 code, type of vehicle = 9 only

The 'Speeding' vehicle was defined as the contributory factors were 'exceeding speed limit', 'travelling too fast for conditions', 'following too close', 'sudden braking', 'loss of control', or 'aggressive driving'.

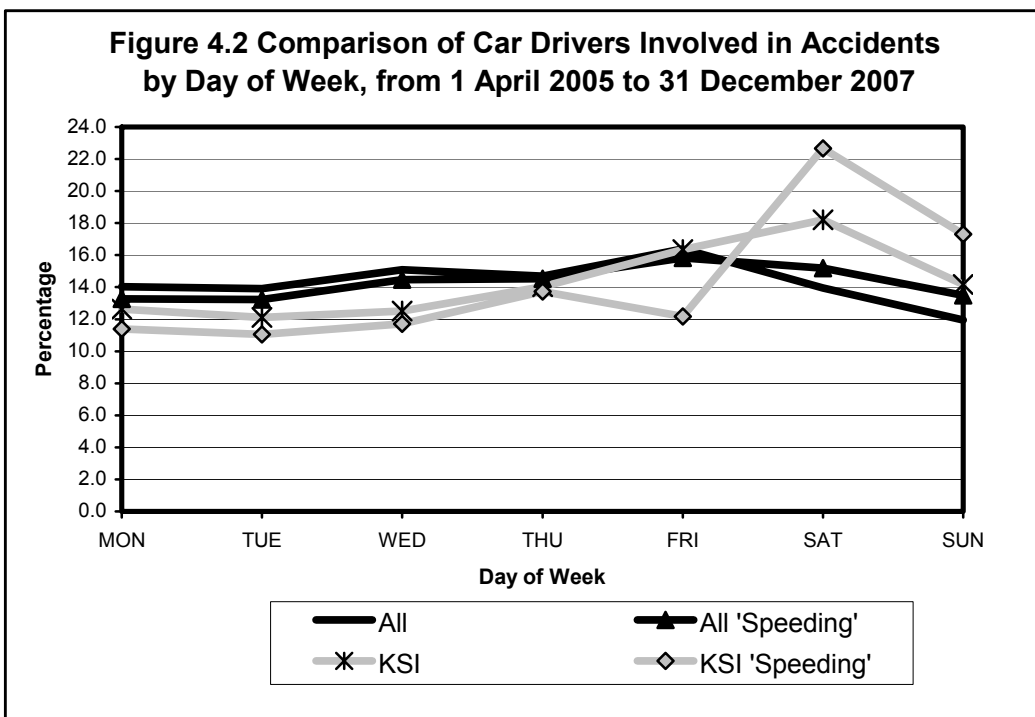
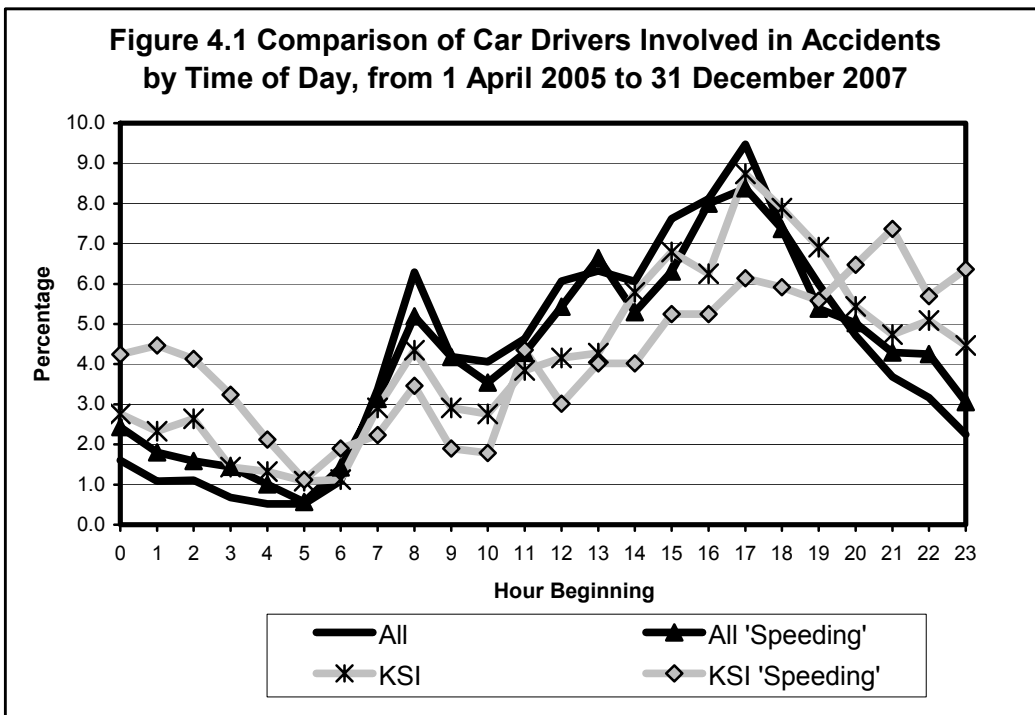


Table 4.6 Drivers by Age and Gender Involved in Child (0-15) Pedestrian Accidents on All Roads, from 2003 to 2007					
Age	2003	2004	2005	2006	2007
Male					
Under 15	7	4	2	4	3
15-19	37	27	27	21	19
20-24	79	64	58	44	42
25-29	80	66	64	44	40
30-34	97	80	74	48	61
35-39	86	64	73	56	47
40-44	67	58	55	46	47
45-49	44	51	48	26	32
50-54	53	41	36	42	26
55-59	36	40	34	25	22
60-64	31	22	21	26	12
65-69	16	26	7	15	11
70-74	8	11	17	7	5
75-79	9	3	3	5	7
80-84	1	3	3	1	3
85-89	2	1	0	1	1
Unknown	9	1	25	30	20
All Male	662	562	547	441	398
Female					
Under 15	0	0	0	0	0
15-19	12	13	8	10	7
20-24	40	40	19	29	25
25-29	44	51	25	31	31
30-34	49	50	37	30	33
35-39	55	39	43	32	29
40-44	40	44	31	35	21
45-49	28	26	25	19	19
50-54	31	16	16	14	17
55-59	14	14	20	8	14
60-64	9	2	6	14	10
65-69	5	8	5	7	2
70-74	0	4	2	3	1
75-79	1	1	0	1	1
80-84	0	0	0	2	0
Unknown	1	0	5	6	5
All Female	329	308	242	241	215
Not Traced (NT)					
15-19	0	0	0	0	0
20-24	0	0	2	1	0
25-29	1	1	0	1	2
30-34	1	3	0	4	13
35-39	1	0	0	1	0
Unknown	53	50	33	31	21
All Ages NT	56	54	35	38	36
All					
Under 15	7	4	2	4	3
15-19	49	40	35	31	26
20-24	119	104	79	74	67
25-29	125	118	89	76	73
30-34	147	133	111	82	107
35-39	142	103	116	89	76
40-44	107	102	86	81	68
45-49	72	77	73	45	51
50-54	84	57	52	56	43
55-59	50	54	54	33	36
60-64	40	24	27	40	22
65-69	21	34	12	22	13
70-74	8	15	19	10	6
75-79	10	4	3	6	8
80-84	1	3	3	3	3
85-89	2	1	0	1	1
Unknown	63	51	63	67	46
All Ages	1047	924	824	720	649

Table 4.7 Drivers by Age and Gender Involved in Child (0-15) Pedestrian Accidents on Minor Roads, from 2003 to 2007					
Age	2003	2004	2005	2006	2007
Male					
Under 15	5	2	2	3	1
15-19	27	17	16	10	11
20-24	47	36	34	25	27
25-29	53	43	36	26	18
30-34	49	47	50	23	32
35-39	51	39	47	34	28
40-44	39	38	34	29	24
45-49	22	22	26	13	16
50-54	27	27	15	22	14
55-59	15	24	21	17	8
60-64	18	12	14	13	5
65-69	9	14	5	8	6
70-74	5	6	7	5	2
75-79	3	2	2	2	1
80-84	1	2	2	0	1
85-89	2	0	0	1	0
Unknown	6	0	16	23	12
All Male	379	331	327	254	206
Female					
Under 15	0	0	0	0	0
15-19	8	7	4	7	3
20-24	23	23	8	21	15
25-29	22	31	11	17	16
30-34	39	25	20	20	21
35-39	37	25	21	19	20
40-44	24	27	21	26	13
45-49	16	15	15	12	9
50-54	16	7	11	10	10
55-59	8	6	13	7	6
60-64	6	1	1	7	7
65-69	5	4	2	3	1
70-74	0	3	1	2	0
75-79	0	1	0	0	0
80-84	0	0	0	1	0
Unknown	1	0	4	3	4
All Female	205	175	132	155	125
Not Traced (NT)					
15-19	0	0	0	0	0
20-24	0	0	2	0	0
30-34	0	3	0	4	9
35-39	1	0	0	1	0
Unknown	35	27	16	20	13
All Ages NT	36	30	18	25	22
All					
Under 15	5	2	2	3	1
15-19	35	24	20	17	14
20-24	70	59	44	46	42
25-29	75	74	47	43	34
30-34	88	75	70	47	62
35-39	89	64	68	54	48
40-44	63	65	55	55	37
45-49	38	37	41	25	25
50-54	43	34	26	32	24
55-59	23	30	34	24	14
60-64	24	13	15	20	12
65-69	14	18	7	11	7
70-74	5	9	8	7	2
75-79	3	3	2	2	1
80-84	1	2	2	1	1
85-89	2	0	0	1	0
Unknown	42	27	36	46	29
All Ages	620	536	477	434	353

5. Contributory Factors

Contributory Factor Report – National Factors

All Accidents

Tables 5.1 to 5.5 give tabulations of national contributory factors recorded by GMP between April 2005 and December 2007. See GMTU Report 1137 (Tables 9.1 to 9.10) for tabulations of the local causation factors between April 1999 and March 2005

Table 5.1 Top 52 Contributory Factors - All Accidents, from April 2005 to December 2007					
Code	Contributory Factor	April 2005 to December 2007			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	3670	3472	7142	15.14
406	Driver/Rider failed to judge other person's path or speed	1941	2712	4653	9.86
602	Driver/Rider - Careless/reckless/in a hurry	1477	1712	3189	6.76
403	Poor turn or manoeuvre	1440	1451	2891	6.13
802	Pedestrian failed to look properly	1828	1025	2853	6.05
410	Loss of control	1020	672	1692	3.59
103	Slippery road (due to weather)	758	739	1497	3.17
307	Travelling too fast for conditions	520	711	1231	2.61
808	Pedestrian - Careless/reckless/in a hurry	706	524	1230	2.61
408	Sudden braking	579	648	1227	2.60
308	Following too close	488	638	1126	2.39
601	Aggressive driving	661	462	1123	2.38
501	Driver/Rider impaired by alcohol	734	292	1026	2.17
306	Exceeding speed limit	441	576	1017	2.16
701	Stationary or parked vehicle(s)	561	447	1008	2.14
803	Failed to judge vehicle's path or speed	366	559	925	1.96
605	Learner or inexperienced driver/rider	419	480	899	1.91
801	Crossed road masked by stationary or parked vehicle	577	248	825	1.75
301	Driver/Rider disobeyed automatic traffic signal	383	350	733	1.55
302	Disobeyed Give Way or Stop sign or markings	452	271	723	1.53
401	Junction overshoot	353	318	671	1.42
999	Other	447	177	624	1.32
806	Pedestrian impaired by alcohol	409	195	604	1.28
409	Swerved	260	211	471	1.00
706	Dazzling sun	203	225	428	0.91
509	Distraction in vehicle	143	263	406	0.86
707	Rain, sleet, snow, or fog	187	216	403	0.85
404	Failed to signal/misleading signal	167	230	397	0.84
603	Nervous/uncertain/panic	104	254	358	0.76
407	Passing too close to cyclist, horse rider or pedestrian	177	179	356	0.75
510	Distraction outside vehicle	122	214	336	0.71
805	Pedestrian - Dangerous action in carriageway (eg playing)	180	126	306	0.65
710	Vehicle blind spot	134	152	286	0.61
108	Road layout (eg bend, hill, narrow carriageway)	119	165	284	0.60
402	Junction restart	132	142	274	0.58
901	Stolen vehicle	198	40	238	0.50
703	Road layout (eg bend, winding road, hill crest)	83	125	208	0.44
809	Pedestrian wearing dark clothing at night	102	97	199	0.42
310	Cyclist entering road from pavement	146	50	196	0.42
804	Pedestrian - Wrong use of pedestrian crossing facility	107	85	192	0.41
305	Illegal turn or direction of travel	144	43	187	0.40
505	Driver/Rider - Illness or disability, mental or physical	90	89	179	0.38
607	Inexperience with type of vehicle	51	123	174	0.37
104	Inadequate/masked signs or road markings	84	72	156	0.33
102	Deposit on road (eg oil, mud, chippings)	85	68	153	0.32
503	Fatigue	47	92	139	0.29
903	Emergency vehicle on call	94	25	119	0.25
203	Defective brakes	45	73	118	0.25
810	Pedestrian - Disability or illness, mental or physical	59	54	113	0.24
109	Animal or object in carriageway	72	39	111	0.24
502	Driver/Rider impaired by drugs (illicit or medicinal)	33	73	106	0.22
902	Vehicle in course of crime	73	26	99	0.21
	Total (Top 52)	23671	22230	45901	97.30

KSI Accidents

Code	Contributory Factor	April 2005 to December 2007			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	290	300	590	10.40
802	Pedestrian failed to look properly	347	233	580	10.23
602	Driver/Rider - Careless/reckless/in a hurry	156	176	332	5.85
410	Loss of control	203	125	328	5.78
406	Driver/Rider failed to judge other person's path or speed	111	187	298	5.25
403	Poor turn or manoeuvre	146	145	291	5.13
808	Pedestrian - Careless/reckless/in a hurry	143	144	287	5.06
306	Exceeding speed limit	111	119	230	4.06
601	Aggressive driving	124	90	214	3.77
803	Failed to judge vehicle's path or speed	62	144	206	3.63
501	Driver/Rider impaired by alcohol	133	69	202	3.56
801	Crossed road masked by stationary or parked vehicle	119	61	180	3.17
806	Pedestrian impaired by alcohol	102	65	167	2.94
307	Travelling too fast for conditions	73	89	162	2.86
605	Learner or inexperienced driver/rider	55	62	117	2.06
103	Slippery road (due to weather)	54	50	104	1.83
701	Stationary or parked vehicle(s)	72	29	101	1.78
999	Other	67	24	91	1.60
408	Sudden braking	30	38	68	1.20
301	Driver/Rider disobeyed automatic traffic signal	33	34	67	1.18
805	Pedestrian - Dangerous action in carriageway (eg playing)	36	27	63	1.11
409	Swerved	28	29	57	1.00
302	Disobeyed Give Way or Stop sign or markings	36	20	56	0.99
401	Junction overshoot	25	28	53	0.93
809	Pedestrian wearing dark clothing at night	25	25	50	0.88
804	Pedestrian - Wrong use of pedestrian crossing facility	24	25	49	0.86
710	Vehicle blind spot	15	25	40	0.71
706	Dazzling sun	14	25	39	0.69
901	Stolen vehicle	30	8	38	0.67
407	Passing too close to cyclist, horse rider or pedestrian	17	18	35	0.62
707	Rain, sleet, snow, or fog	9	26	35	0.62
603	Nervous/uncertain/panic	9	23	32	0.56
810	Pedestrian - Disability or illness, mental or physical	13	17	30	0.53
607	Inexperience with type of vehicle	9	19	28	0.49
505	Driver/Rider - Illness or disability, mental or physical	12	15	27	0.48
703	Road layout (eg bend, winding road, hill crest)	9	17	26	0.46
509	Distraction in vehicle	7	18	25	0.44
308	Following too close	7	17	24	0.42
310	Cyclist entering road from pavement	19	5	24	0.42
510	Distraction outside vehicle	5	17	22	0.39
404	Failed to signal/misleading signal	6	15	21	0.37
108	Road layout (eg bend, hill, narrow carriageway)	8	11	19	0.33
502	Driver/Rider impaired by drugs (illicit or medicinal)	5	11	16	0.28
503	Fatigue	7	9	16	0.28
102	Deposit on road (eg oil, mud, chippings)	4	11	15	0.26
201	Tyres illegal, defective or under inflated	8	6	14	0.25
304	Driver/Rider disobeyed pedestrian crossing facility	5	9	14	0.25
305	Illegal turn or direction of travel	10	3	13	0.23
807	Pedestrian impaired by drugs (illicit or medicinal)	4	9	13	0.23
101	Poor or defective road surface	2	10	12	0.21
203	Defective brakes	3	9	12	0.21
	Total (Top 51)	2842	2691	5533	97.55

Child KSI Accidents

Table 5.3 Distribution of Contributory Factors - Child KSI Accidents, from April 2005 to December 2007

Code	Contributory Factor	April 2005 to December 20067			
		Confidence Level		Total	%
		Very Likely	Possible		
802	Pedestrian failed to look properly	155	82	237	24.51
808	Pedestrian - Careless/reckless/in a hurry	75	53	128	13.24
801	Crossed road masked by stationary or parked vehicle	76	31	107	11.07
405	Driver/Rider failed to look properly	37	31	68	7.03
803	Failed to judge vehicle's path or speed	17	38	55	5.69
602	Driver/Rider - Careless/reckless/in a hurry	19	18	37	3.83
701	Stationary or parked vehicle(s)	20	8	28	2.90
805	Pedestrian - Dangerous action in carriageway (eg playing)	17	9	26	2.69
410	Loss of control	12	12	24	2.48
403	Poor turn or manoeuvre	13	8	21	2.17
406	Driver/Rider failed to judge other person's path or speed	8	12	20	2.07
601	Aggressive driving	9	8	17	1.76
310	Cyclist entering road from pavement	14	2	16	1.65
605	Learner or inexperienced driver/rider	13	3	16	1.65
804	Pedestrian - Wrong use of pedestrian crossing facility	8	8	16	1.65
999	Other	7	6	13	1.34
307	Travelling too fast for conditions	2	8	10	1.03
301	Driver/Rider disobeyed automatic traffic signal	4	5	9	0.93
306	Exceeding speed limit	2	7	9	0.93
809	Pedestrian wearing dark clothing at night	4	5	9	0.93
401	Junction overshoot	4	3	7	0.72
501	Driver/Rider impaired by alcohol	2	5	7	0.72
302	Disobeyed Give Way or Stop sign or markings	4	2	6	0.62
103	Slippery road (due to weather)	4	1	5	0.52
603	Nervous/uncertain/panic	3	2	5	0.52
304	Driver/Rider disobeyed pedestrian crossing facility	0	4	4	0.41
407	Passing too close to cyclist, horse rider or pedestrian	2	2	4	0.41
408	Sudden braking	1	3	4	0.41
409	Swerved	3	1	4	0.41
702	Vegetation	3	1	4	0.41
707	Rain, sleet, snow, or fog	2	2	4	0.41
806	Pedestrian impaired by alcohol	2	2	4	0.41
607	Inexperience with type of vehicle	2	1	3	0.31
704	Buildings, road signs, street furniture	0	3	3	0.31
710	Vehicle blind spot	3	0	3	0.31
901	Stolen vehicle	3	0	3	0.31
101	Poor or defective road surface	0	2	2	0.21
108	Road layout (eg bend, hill, narrow carriageway)	0	2	2	0.21
203	Defective brakes	0	2	2	0.21
206	Overloaded or poorly loaded vehicle or trailer	2	0	2	0.21
305	Illegal turn or direction of travel	2	0	2	0.21
506	Not displaying lights at night or in poor visibility	1	1	2	0.21
507	Cyclist wearing dark clothing at night	1	1	2	0.21
703	Road layout (eg bend, winding road, hill crest)	1	1	2	0.21
706	Dazzling sun	0	2	2	0.21
102	Deposit on road (eg oil, mud, chippings)	0	1	1	0.10
104	Inadequate/masked signs or road markings	1	0	1	0.10
109	Animal or object in carriageway	0	1	1	0.10
204	Defective steering or suspension	0	1	1	0.10
404	Failed to signal/misleading signal	0	1	1	0.10
502	Driver/Rider impaired by drugs (illicit or medicinal)	0	1	1	0.10
505	Driver/Rider - Illness or disability, mental or physical	1	0	1	0.10
509	Distraction in vehicle	0	1	1	0.10
510	Distraction outside vehicle	0	1	1	0.10
606	Inexperience of driving on the left	0	1	1	0.10
708	Spray from other vehicles	0	1	1	0.10
709	Visor or windscreen dirty or scratched	1	0	1	0.10
810	Pedestrian - Disability or illness, mental or physical	0	1	1	0.10
	All	560	407	967	100.00

Pedal Cycle Accidents

Code	Contributory Factor	April 2005 to December 2007			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	607	475	1082	27.17
406	Driver/Rider failed to judge other person's path or speed	130	226	356	8.94
602	Driver/Rider - Careless/reckless/in a hurry	151	172	323	8.11
403	Poor turn or manoeuvre	149	124	273	6.85
310	Cyclist entering road from pavement	137	48	185	4.64
407	Passing too close to cyclist, horse rider or pedestrian	94	78	172	4.32
701	Stationary or parked vehicle(s)	74	44	118	2.96
401	Junction overshoot	60	37	97	2.44
410	Loss of control	37	42	79	1.98
507	Cyclist wearing dark clothing at night	40	36	76	1.91
605	Learner or inexperienced driver/rider	36	40	76	1.91
302	Disobeyed Give Way or Stop sign or markings	43	27	70	1.76
802	Pedestrian failed to look properly	43	23	66	1.66
706	Dazzling sun	32	24	56	1.41
601	Aggressive driving	28	26	54	1.36
409	Swerved	27	24	51	1.28
404	Failed to signal/misleading signal	23	27	50	1.26
999	Other	32	17	49	1.23
904	Vehicle door opened or closed negligently	34	11	45	1.13
710	Vehicle blind spot	19	25	44	1.10
506	Not displaying lights at night or in poor visibility	25	17	42	1.05
501	Driver/Rider impaired by alcohol	18	20	38	0.95
707	Rain, sleet, snow, or fog	13	22	35	0.88
203	Defective brakes	21	13	34	0.85
301	Driver/Rider disobeyed automatic traffic signal	16	17	33	0.83
103	Slippery road (due to weather)	11	21	32	0.80
307	Travelling too fast for conditions	13	18	31	0.78
402	Junction restart	13	15	28	0.70
603	Nervous/uncertain/panic	8	19	27	0.68
305	Illegal turn or direction of travel	18	6	24	0.60
309	Vehicle travelling along pavement	17	7	24	0.60
408	Sudden braking	13	11	24	0.60
304	Driver/Rider disobeyed pedestrian crossing facility	12	9	21	0.53
803	Failed to judge vehicle's path or speed	7	13	20	0.50
306	Exceeding speed limit	9	10	19	0.48
509	Distraction in vehicle	2	17	19	0.48
510	Distraction outside vehicle	5	12	17	0.43
308	Following too close	8	7	15	0.38
703	Road layout (eg bend, winding road, hill crest)	5	10	15	0.38
808	Pedestrian - Careless/reckless/in a hurry	11	4	15	0.38
202	Defective lights or indicators	9	4	13	0.33
702	Vegetation	7	5	12	0.30
704	Buildings, road signs, street furniture	8	4	12	0.30
108	Road layout (eg bend, hill, narrow carriageway)	5	6	11	0.28
801	Crossed road masked by stationary or parked vehicle	7	4	11	0.28
101	Poor or defective road surface	4	5	9	0.23
502	Driver/Rider impaired by drugs (illicit or medicinal)	0	9	9	0.23
503	Fatigue	2	4	6	0.15
607	Inexperience with type of vehicle	2	4	6	0.15
805	Pedestrian - Dangerous action in carriageway (eg playing)	3	3	6	0.15
902	Vehicle in course of crime	3	3	6	0.15
505	Driver/Rider - Illness or disability, mental or physical	2	3	5	0.13
901	Stolen vehicle	4	1	5	0.13
	Total (Top 53)	2097	1849	3946	99.07

Pedestrian Accidents

Table 5.5 Top 54 Contributory Factors - Pedestrian Accidents, from April 2005 to December 2007

Code	Contributory Factor	April 2005 to December 2007			
		Confidence Level		Total	%
		Very Likely	Possible		
802	Pedestrian failed to look properly	1744	944	2688	25.90
808	Pedestrian - Careless/reckless/in a hurry	675	493	1168	11.26
803	Failed to judge vehicle's path or speed	329	486	815	7.85
801	Crossed road masked by stationary or parked vehicle	564	242	806	7.77
405	Driver/Rider failed to look properly	260	425	685	6.60
806	Pedestrian impaired by alcohol	395	187	582	5.61
602	Driver/Rider - Careless/reckless/in a hurry	139	200	339	3.27
805	Pedestrian - Dangerous action in carriageway (eg playing)	173	121	294	2.83
701	Stationary or parked vehicle(s)	124	106	230	2.22
809	Pedestrian wearing dark clothing at night	99	95	194	1.87
804	Pedestrian - Wrong use of pedestrian crossing facility	105	82	187	1.80
406	Driver/Rider failed to judge other person's path or speed	54	131	185	1.78
999	Other	126	47	173	1.67
601	Aggressive driving	97	75	172	1.66
403	Poor turn or manoeuvre	76	86	162	1.56
407	Passing too close to cyclist, horse rider or pedestrian	67	83	150	1.45
103	Slippery road (due to weather)	40	68	108	1.04
810	Pedestrian - Disability or illness, mental or physical	56	47	103	0.99
501	Driver/Rider impaired by alcohol	61	33	94	0.91
306	Exceeding speed limit	30	63	93	0.90
410	Loss of control	55	37	92	0.89
307	Travelling too fast for conditions	32	47	79	0.76
710	Vehicle blind spot	31	45	76	0.73
707	Rain, sleet, snow, or fog	24	44	68	0.66
807	Pedestrian impaired by drugs (illicit or medicinal)	26	37	63	0.61
706	Dazzling sun	23	34	57	0.55
304	Driver/Rider disobeyed pedestrian crossing facility	27	28	55	0.53
605	Learner or inexperienced driver/rider	24	23	47	0.45
510	Distraction outside vehicle	15	29	44	0.42
603	Nervous/uncertain/panic	11	33	44	0.42
301	Driver/Rider disobeyed automatic traffic signal	22	18	40	0.39
409	Swerved	15	23	38	0.37
509	Distraction in vehicle	7	31	38	0.37
408	Sudden braking	12	21	33	0.32
309	Vehicle travelling along pavement	27	4	31	0.30
901	Stolen vehicle	19	4	23	0.22
108	Road layout (eg bend, hill, narrow carriageway)	6	16	22	0.21
703	Road layout (eg bend, winding road, hill crest)	4	16	20	0.19
302	Disobeyed Give Way or Stop sign or markings	8	11	19	0.18
902	Vehicle in course of crime	15	4	19	0.18
305	Illegal turn or direction of travel	13	5	18	0.17
401	Junction overshoot	7	10	17	0.16
607	Inexperience with type of vehicle	6	9	15	0.14
402	Junction restart	9	3	12	0.12
704	Buildings, road signs, street furniture	2	10	12	0.12
404	Failed to signal/misleading signal	4	7	11	0.11
702	Vegetation	6	5	11	0.11
504	Uncorrected, defective eyesight	4	6	10	0.10
508	Driver using mobile phone	6	4	10	0.10
109	Animal or object in carriageway	7	2	9	0.09
505	Driver/Rider - Illness or disability, mental or physical	6	3	9	0.09
705	Dazzling headlights	3	6	9	0.09
107	Temporary road layout (eg contraflow)	2	6	8	0.08
904	Vehicle door opened or closed negligently	5	3	8	0.08
	Total (Top 54)	5697	4598	10295	99.21