

ASSOCIATION OF GREATER MANCHESTER AUTHORITIES

GREATER MANCHESTER TRANSPORTATION UNIT

ROAD CASUALTY STATISTICS GREATER MANCHESTER 2006

COUNTYWIDE TABULATIONS

This is one of two reports produced to accompany the Road Casualty Statistics Greater Manchester 2006 (GMTU Report 1288) report. As a trial, these two supplementary reports will only be produced in electronic format this year. All commentary is included in the main report. The layout of this report follows a similar format to that of Sections 5 to 9 in the 2005 report (GMTU Report 1137).

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 on the recently introduced national contributory factors; 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 pointing out that in 2006 encouraging 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 by almost 14% between 2005 and 2006. This is 27% below the base (the average of 1994 to 1998) and a further 18% reduction or an average year on year reduction of around 4% is now required to meet the 2010 KSI target. Child KSI casualties fell by an encouraging 19% between 2005 and 2006 and only require a further 8% (or approximately 2% per year for the next four years) reduction to meet 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	Target (2010)
All KSI Casualties	1281	1125	1123	1078	1061	1096	1042	1080	934	769
Index	100	88	88	84	83	86	81	84	73	60*
Child KSI Casualties	304	270	236	254	217	225	201	205	166	152
Index	100	89	78	84	71	74	66	67	55	50**
Pedestrian Casualties	2939	2698	2695	2579	2517	2389	2269	2144	1879	
Index	100	92	92	88	86	81	77	73	64	
Pedal Cycle Casualties	1188	1128	1109	975	830	845	815	782	774	
Index	100	95	93	82	70	71	69	66	65	
Slight Casualties	15426	15364	15867	14818	13771	13050	12501	11725	10861	13884
Index	100	100	103	96	89	85	81	76	70	90***
Slight Casualty Rates	95.70	89.90	92.94	84.03	75.77	71.40	66.81	63.62	58.93	86.13
Index	100	94	97	88	79	75	70	66	62	90***

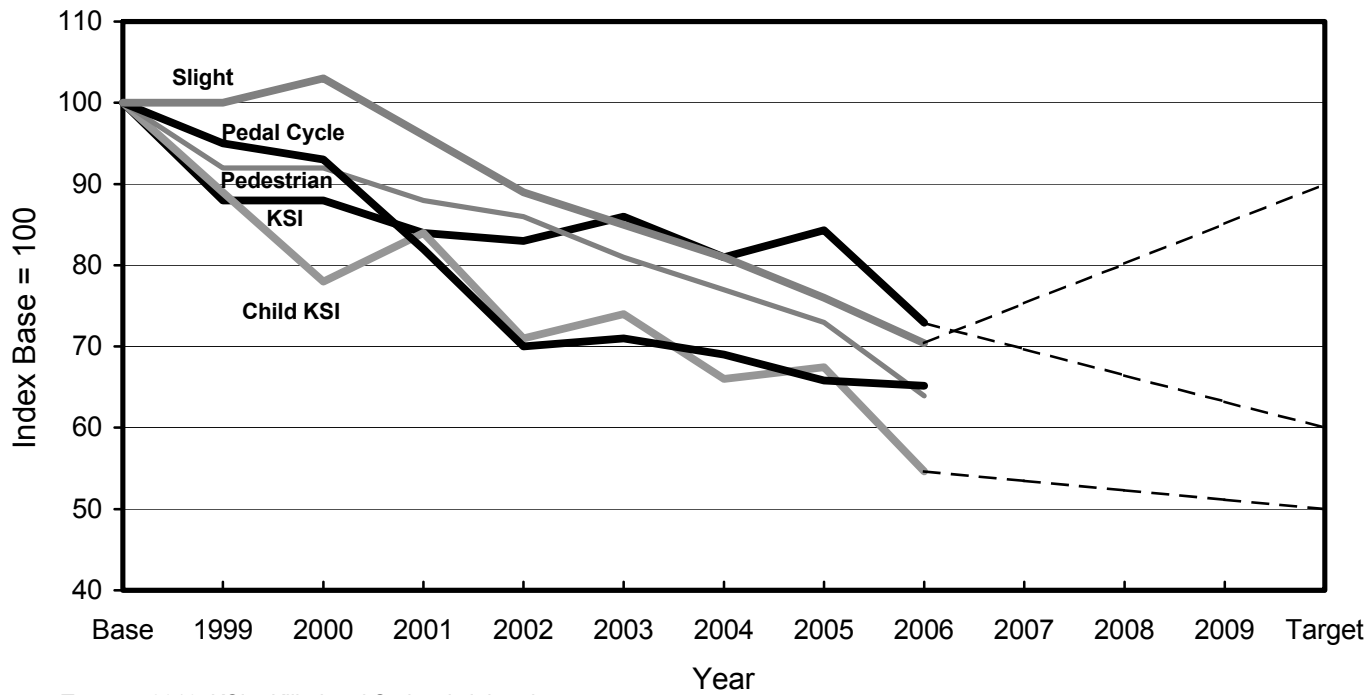
Notes: * - A 40% reduction in all KSIs for all Roads (National Target)
 ** - A 50% reduction in Child KSIs for all Roads (National Target)
 *** - A 10% reduction in Slight casualty rates (Rate per 100m Veh kms - DfT website, revised Oct 2006).
 Casualty rates: rate per 100 million vehicle kilometres (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
Pedestrians:									
Under 16 years	231	200	179	186	162	173	151	149	120
16-29 years	100	86	82	77	98	83	102	105	87
30-59 years	127	94	102	102	94	93	101	116	97
60-74 years	63	58	52	40	42	42	24	32	34
Over 74 years	66	56	53	46	44	55	37	32	29
Total Pedestrians	587	494	468	451	440	446	415	434	367
Pedal Cycle (R&P):									
Under 16 years	40	40	32	35	27	25	27	26	21
16-19 years	10	14	7	8	4	8	5	9	9
Over 20 years	58	53	67	45	46	56	46	51	60
Total Pedal Cycle (R&P)	108	107	106	88	77	89	78	86	90
TWPV (R&P):									
Under 20 years	20	23	35	36	45	41	51	57	39
20-29 years	46	51	43	41	41	47	47	41	47
Over 29 years	62	56	83	68	97	92	79	93	86
Total TWPV (R&P)	127	130	161	145	183	180	177	191	172
Car Drivers:									
Under 20 years	29	31	38	36	30	25	22	26	25
20-29 years	72	61	47	55	65	60	71	65	62
Over 29 years	127	107	101	125	99	110	102	102	69
Total Car Drivers	229	199	186	216	194	195	195	193	156
Car Passengers									
Under 20 years	67	68	54	67	51	47	49	50	49
20-29 years	45	45	47	38	37	52	54	39	43
Over 29 years	61	49	48	41	41	49	53	55	27
Total Car Passengers	173	162	149	146	129	148	156	144	119
Others	57	33	53	32	38	38	21	32	30
Total KSI	1281	1125	1123	1078	1061	1096	1042	1080	934

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

Figure 1.1 Casualty Trends 1999-2006, Base & National Target 2010



Target = 2010, KSI = Killed and Seriously Injured
Base = Average 1994-1998

All Casualties

Casualty	Fatal	Serious	Slight	Total	KSI	Severity Index
TWPV Rider	8	150	444	602	158	0.26
TWPV Pillion	1	13	38	52	14	0.27
Car Driver	17	139	4666	4822	156	0.03
Car Passenger	12	107	2764	2883	119	0.04
Pedestrian	41	326	1512	1879	367	0.20
Cyclists (R&P)	5	85	684	774	90	0.12
PCV Passenger	0	8	338	346	8	0.02
Tram (D&P)	0	0	0	0	0	0.00
Goods (D&P)	0	9	281	290	9	0.03
Other	6	7	134	147	13	0.09
Total	90	844	10861	11795	934	0.08

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
TWPV Rider	1643	1014	536	595	794	776	800	781	741	736	602
TWPV Pillion	172	84	46	38	60	68	50	49	55	44	52
Car Driver	3555	5534	6798	6851	6904	6452	6134	5823	5523	5156	4822
Car Passenger	2682	3627	4029	4045	4169	3787	3562	3222	3327	3032	2883
Pedestrian	3973	3788	2939	2698	2695	2579	2517	2389	2269	2144	1879
Cyclists (R&P)	1344	1349	1188	1128	1109	975	830	845	815	782	774
PCV/Tram (P)	439	4200	491	465	578	651	432	492	328	398	346
Other	545	662	681	669	681	608	507	545	485	513	437
Total	14353	16479	16708	16489	16990	15896	14832	14146	13543	12805	11795

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 1984-2006

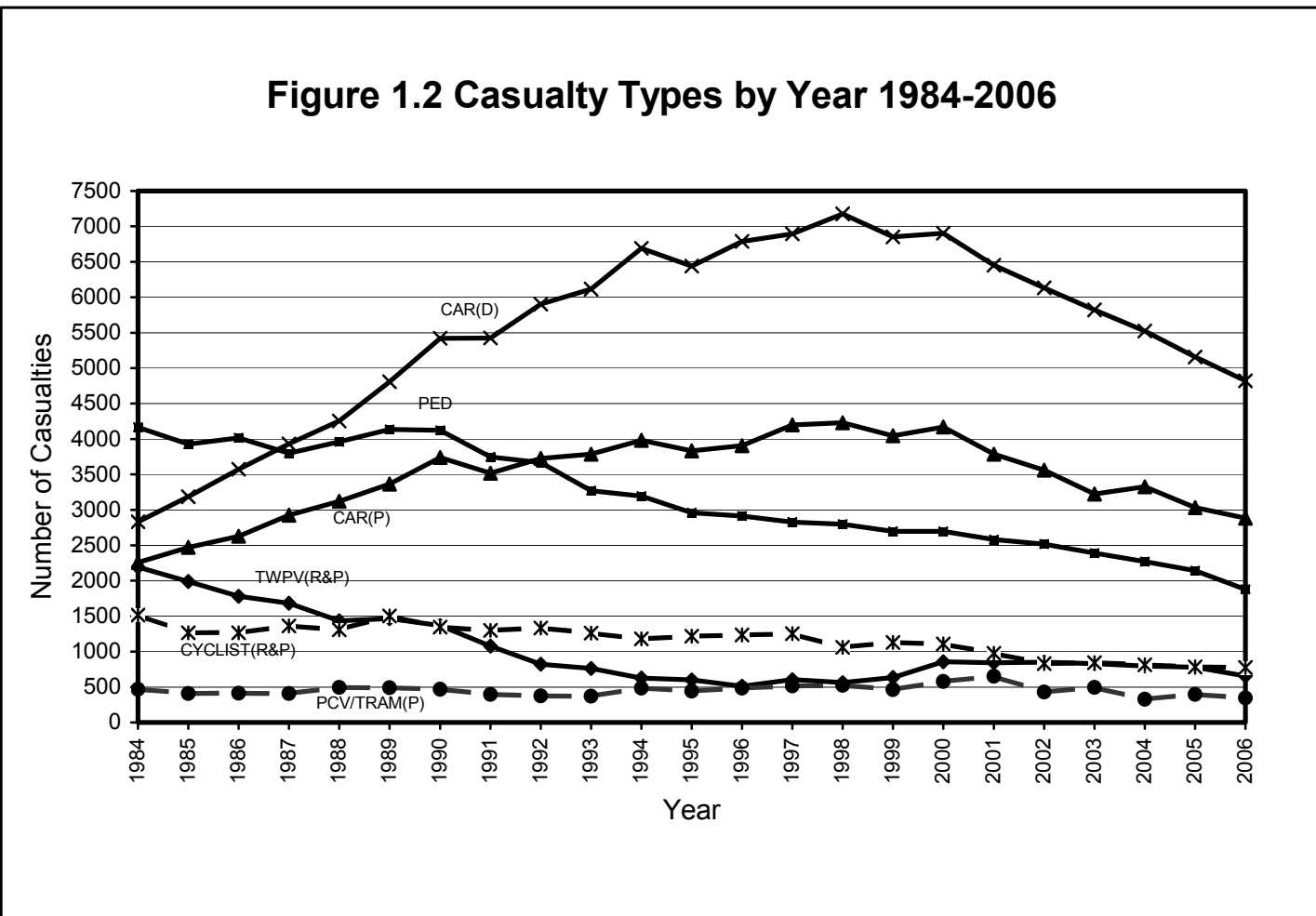
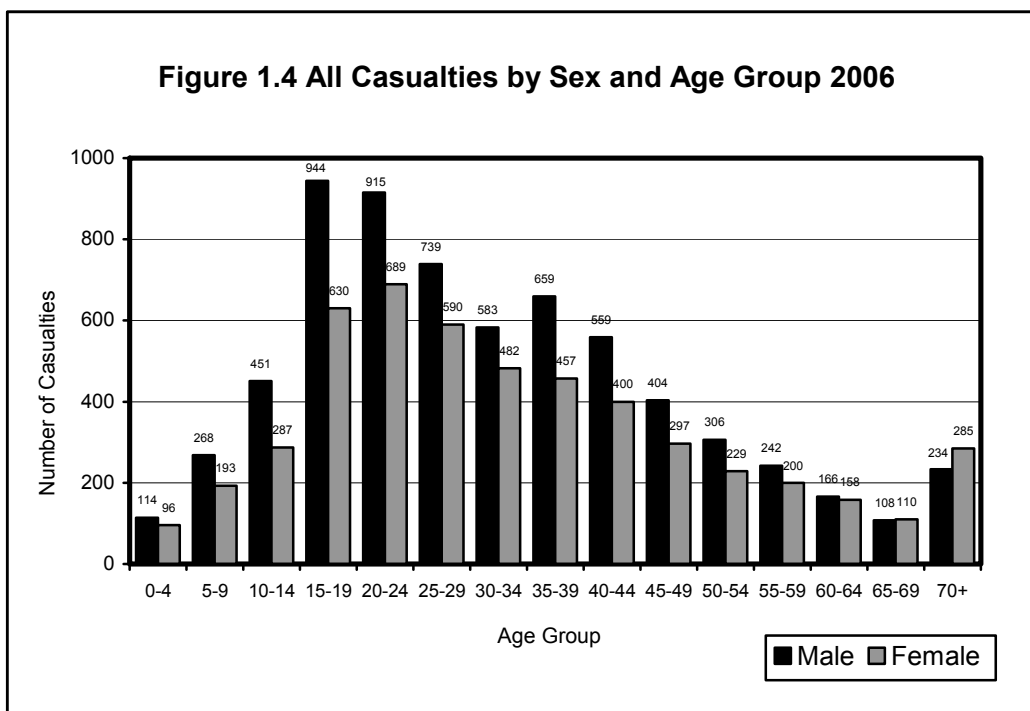
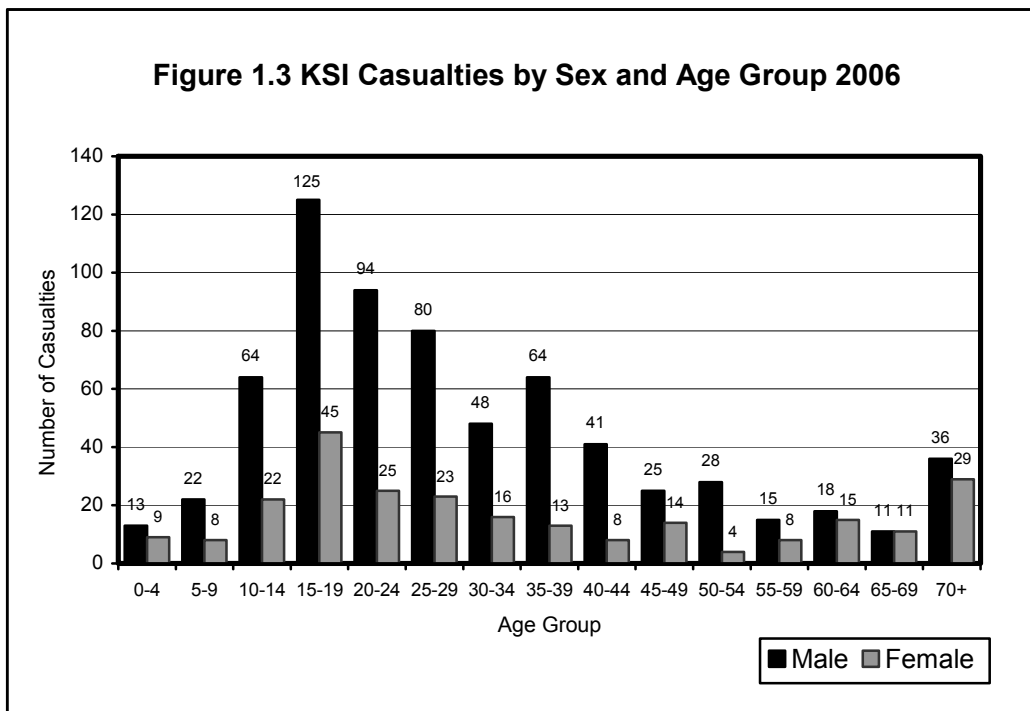


Table 1.5 Casualty Types by Sex and Age Group 2006																
Casualty Type	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total
MALE																
TWPV Rider	0	0	8	150	80	47	53	66	58	44	19	13	15	7	3	563
TWPV Pillion	0	0	7	13	7	2	0	1	0	0	0	1	0	0	0	31
Car Driver	0	0	0	263	409	342	265	324	273	218	159	138	82	59	110	2642
Car Passenger	47	92	107	240	223	153	78	77	52	35	27	15	17	14	32	1209
Pedestrian	59	125	196	171	106	76	61	65	49	28	41	31	22	17	64	1111
Pedal Cycle (R&P)	0	47	123	82	47	66	59	57	62	39	26	17	15	5	10	655
PCV/Tram (P)	5	2	4	15	11	5	12	9	4	2	5	7	4	4	10	99
Other	3	2	6	10	32	48	55	60	61	38	29	20	11	2	5	382
Total Male	114	268	451	944	915	739	583	659	559	404	306	242	166	108	234	6692
FEMALE																
TWPV Rider	0	0	0	12	4	7	3	5	4	0	0	4	0	0	0	39
TWPV Pillion	0	0	3	4	3	3	1	4	0	1	0	1	0	0	1	21
Car Driver	0	0	0	134	361	340	271	314	251	163	112	99	49	34	52	2180
Car Passenger	55	93	105	332	232	158	114	81	94	78	82	60	61	42	87	1674
Pedestrian	33	76	155	122	55	39	45	30	24	29	20	19	22	16	83	768
Pedal Cycle (R&P)	2	13	14	8	9	23	8	10	8	10	2	5	2	3	2	119
PCV/Tram (P)	6	7	10	14	16	18	32	7	14	13	7	11	22	14	56	247
Other	0	4	0	4	9	2	8	6	5	3	6	1	2	1	4	55
Total Female	96	193	287	630	689	590	482	457	400	297	229	200	158	110	285	5103
TOTAL	210	461	738	1574	1604	1329	1065	1116	959	701	535	442	324	218	519	11795

Notes: R&P = Rider and Pillion
 P = Passenger
 Car = From 1999 this definition was revised



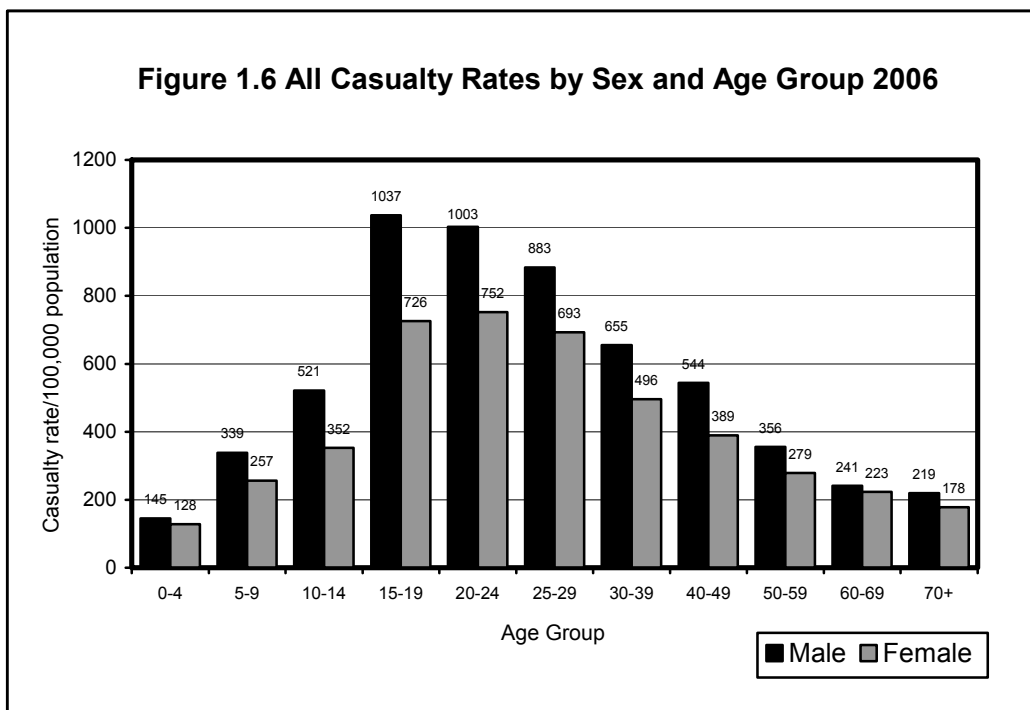
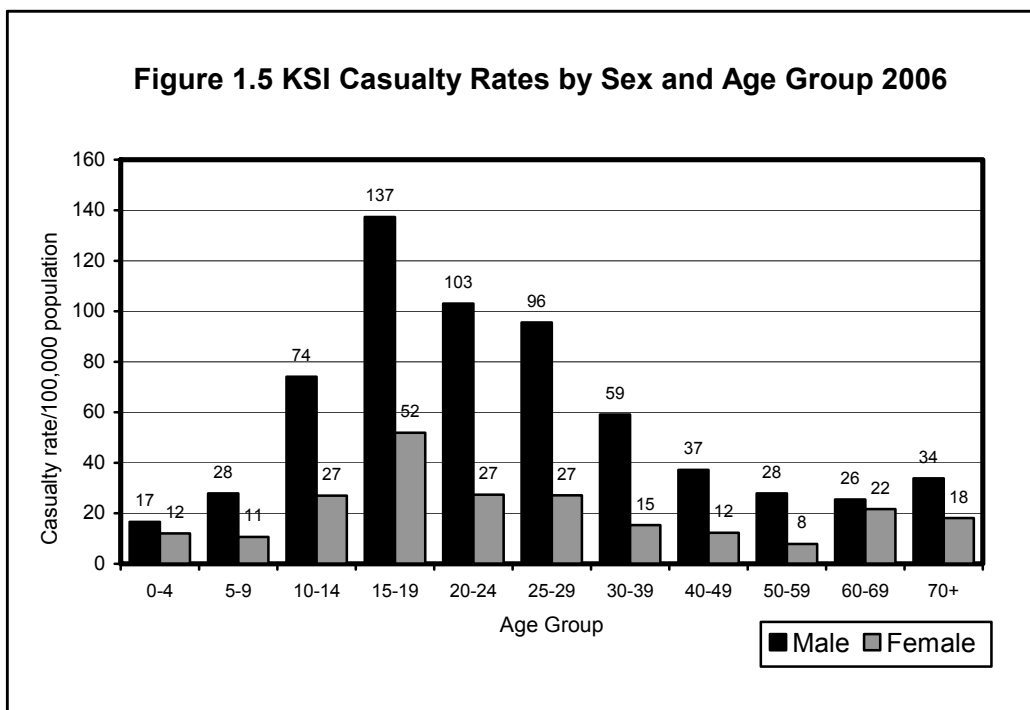
Casualty Rates

Age Group	Population 000's			Casualties		Casualty Rate Per 100,000 Population	
	Total	Males	Females	Male	Female	Male	Female
under 5	153.3	78.5	74.8	13	9	17	12
5 – 9	154.3	79.1	75.2	22	8	28	11
10 – 14	168.0	86.5	81.5	64	22	74	27
15 – 19	177.8	91.0	86.8	125	45	137	52
20 – 24	182.8	91.2	91.6	94	25	103	27
25 – 29	168.8	83.7	85.1	80	23	96	27
30 – 39	378.7	189.5	189.2	112	29	59	15
40 – 49	356.1	177.1	179.0	66	22	37	12
50 – 59	307.6	154.1	153.5	43	12	28	8
60 – 69	233.9	113.7	120.2	29	26	26	22
70+	266.8	106.7	160.1	36	29	34	18
Total	2547.6	1250.9	1296.7	684	250	55	19

Age Group	Population 000's			Casualties		Casualty Rate Per 100,000 Population	
	Total	Males	Females	Male	Female	Male	Female
under 5	153.3	78.5	74.8	114	96	145	128
5 – 9	154.3	79.1	75.2	268	193	339	257
10 – 14	168.0	86.5	81.5	451	287	521	352
15 – 19	177.8	91.0	86.8	944	630	1037	726
20 – 24	182.8	91.2	91.6	915	689	1003	752
25 – 29	168.8	83.7	85.1	739	590	883	693
30 – 39	378.7	189.5	189.2	1242	939	655	496
40 – 49	356.1	177.1	179.0	963	697	544	389
50 – 59	307.6	154.1	153.5	548	429	356	279
60 – 69	233.9	113.7	120.2	274	268	241	223
70+	266.8	106.7	160.1	234	285	219	178
Total	2547.6	1250.9	1296.7	6692	5103	535	394

Note:

The table uses figures provided by the Office for National Statistics for the mid-year estimate of population for 2005.



Casualties on A Class Roads

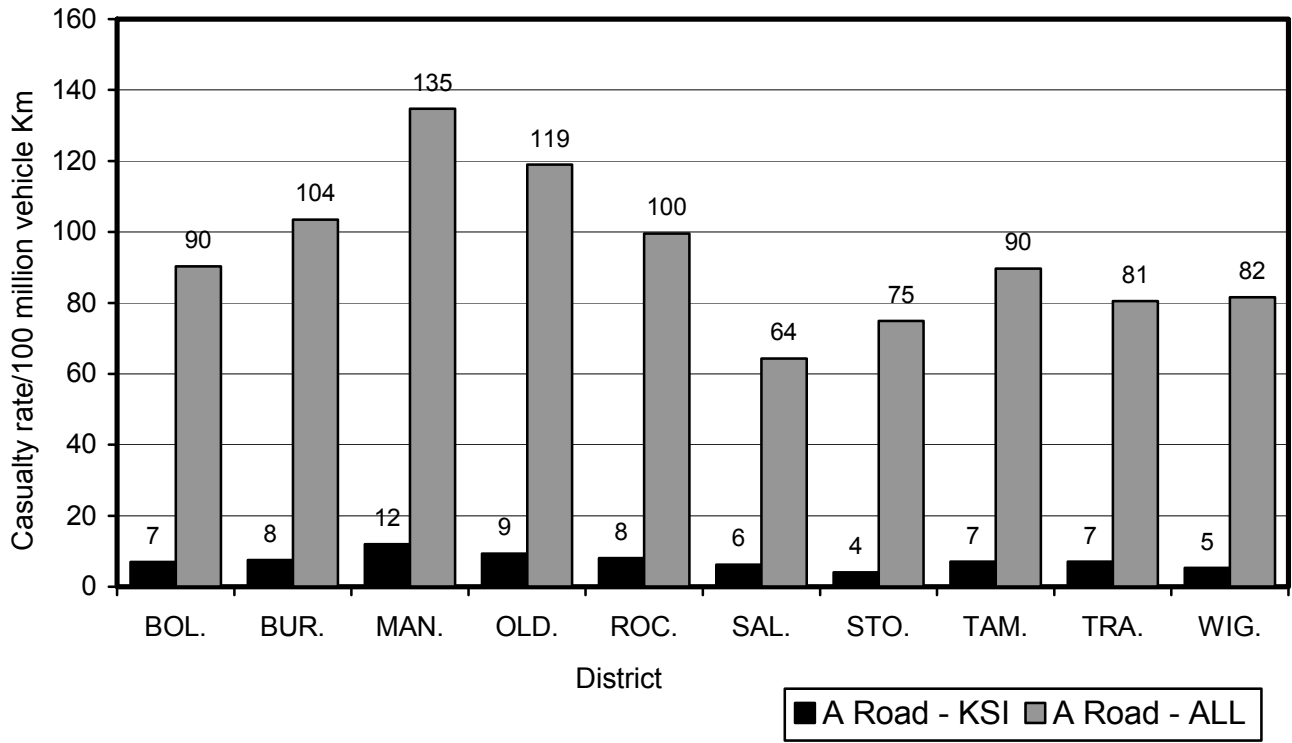
District	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	101	10	2	0	0	50	7
Bury	55	10	3	0	0	28	8
Manchester	116	38	4	1	1	122	12
Oldham	98	20	5	0	0	43	9
Rochdale	80	12	3	1	2	36	8
Salford	87	10	2	0	0	43	6
Stockport	84	8	1	0	0	26	4
Tameside	65	9	3	0	0	26	7
Trafford	58	5	1	2	4	30	7
Wigan	117	12	2	0	0	38	5
Greater Manchester	861	134	3	4	1	442	8

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	421	69	15	16	649	90
Bury	55	274	85	7	17	384	104
Manchester	116	921	105	18	16	1370	135
Oldham	98	411	106	10	16	546	119
Rochdale	80	309	81	7	12	447	100
Salford	87	304	52	10	11	444	64
Stockport	84	331	59	13	18	481	75
Tameside	65	227	74	7	14	329	90
Trafford	58	245	67	5	10	343	81
Wigan	117	391	65	8	8	584	82
Greater Manchester	861	3834	77	100	14	5577	95

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1138 'Transport Statistics Greater Manchester 2005'.
2. A roads include A(M) roads (but exclude the A627(M)).
3. Car – From 1999 this definition was revised to exclude invalid tricycles and motor caravans.

Figure 1.7 All Casualty Rates on A Roads by District 2006



Casualties on B Class Roads

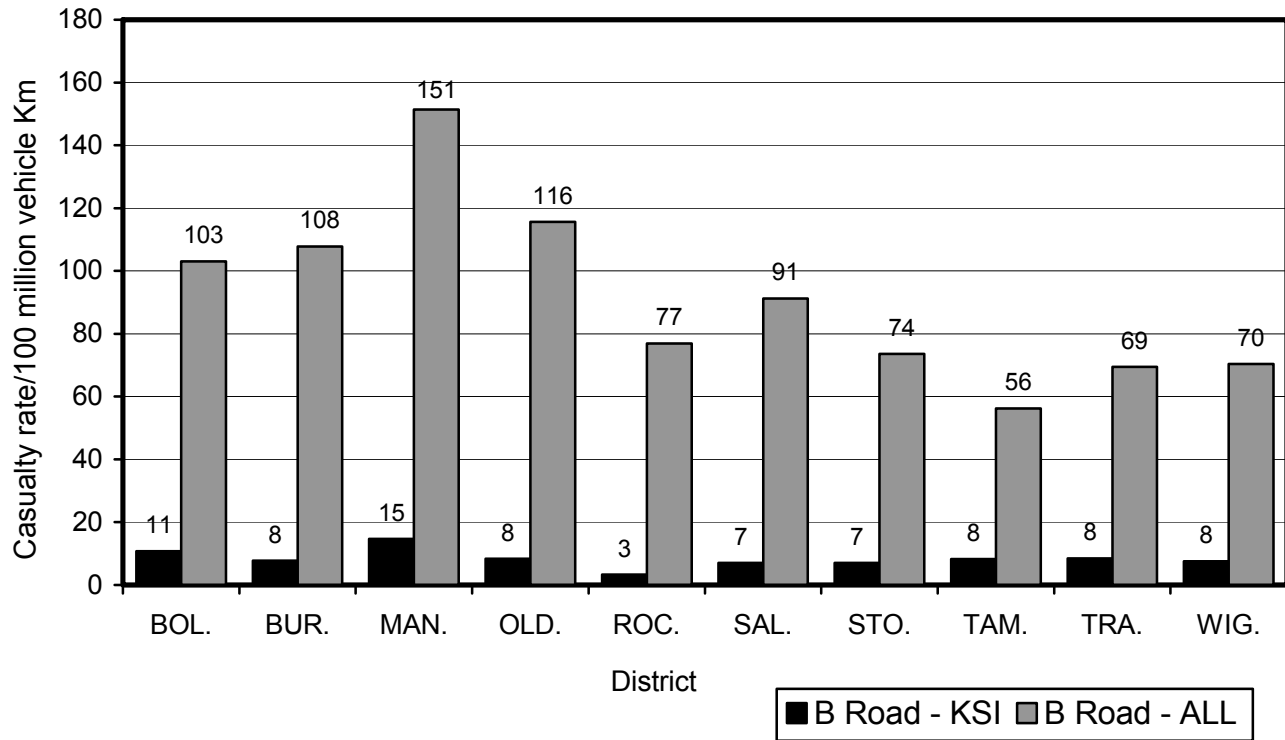
District	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
Bolton	46	8	5	0	0	18	11
Bury	33	1	1	1	10	8	8
Manchester	36	7	5	0	0	26	15
Oldham	30	3	4	0	0	8	8
Rochdale	23	2	3	0	0	3	3
Salford	29	1	1	0	0	8	7
Stockport	36	3	2	0	0	12	7
Tameside	32	1	1	0	0	10	8
Trafford	52	4	2	0	0	18	8
Wigan	56	7	3	0	0	18	8
Greater Manchester	374	37	3	1	1	129	9

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	110	75	6	33	173	103
Bury	33	72	79	4	40	111	108
Manchester	36	141	92	7	41	268	151
Oldham	30	84	102	2	17	111	116
Rochdale	23	48	60	2	20	70	77
Salford	29	61	62	5	42	104	91
Stockport	36	69	46	0	0	125	74
Tameside	32	44	42	1	7	68	56
Trafford	52	89	47	2	10	148	69
Wigan	56	109	53	6	21	169	70
Greater Manchester	374	827	64	35	22	1347	90

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1138 'Transport Statistics Greater Manchester 2005'.
2. KSI = Killed and Seriously Injured.
3. Car – From 1999 this definition was revised to exclude invalid tricycles and motor caravans.

Figure 1.8 All Casualty Rates on B Roads by District 2006



Casualties on Motorways

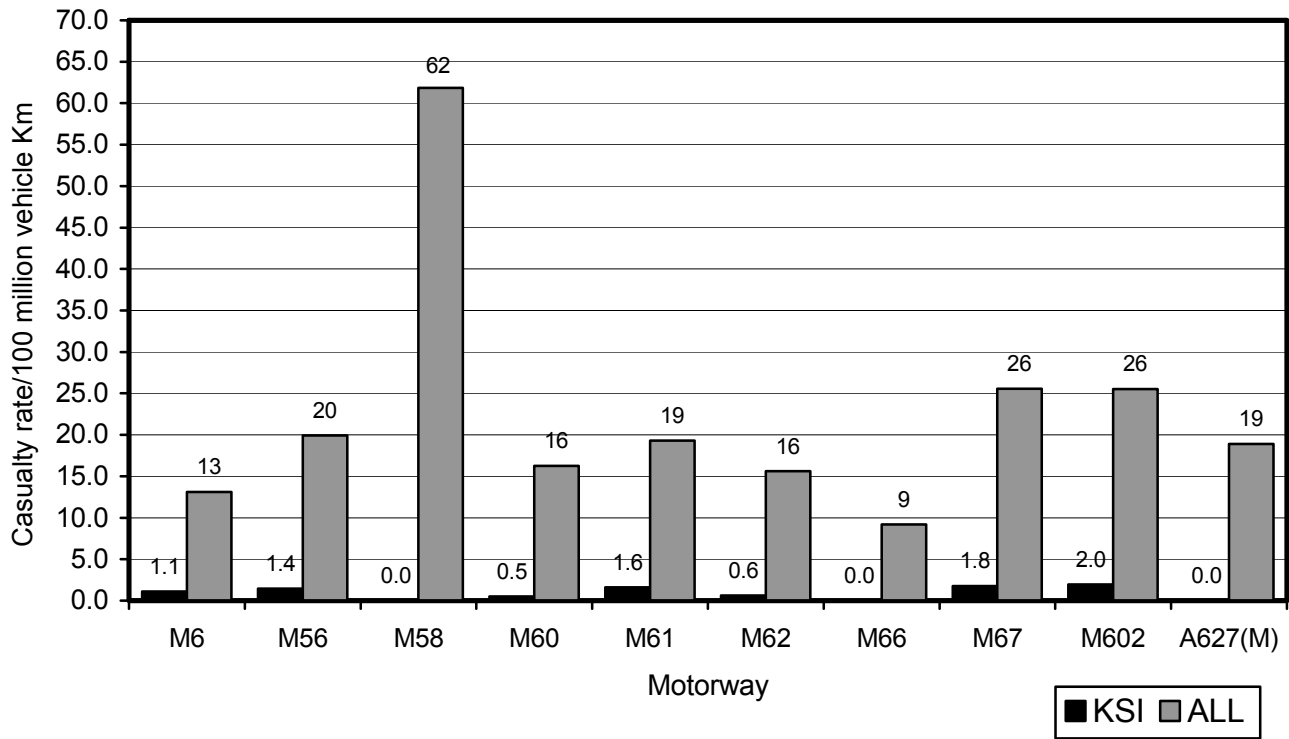
Table 1.12 Car, Goods and All KSI Casualty Rates on Motorways for 2006							
Motorway	Road Length KM	Car KSI Casualties	Casualty Rate Per 100 Million Car Km	Goods KSI Casualties	Casualty Rate Per 100 Million Goods Km	All KSI Casualties	Casualty Rate Per 100 Million Vehicle Km
M6	15	4	1.0	0	0.0	6	1.1
M56	11	5	1.5	0	0.0	6	1.4
M58	1	0	0.0	0	0.0	0	0.0
M60	60	7	0.4	0	0.0	12	0.5
M61	22	8	1.7	0	0.0	10	1.6
M62	27	4	0.5	2	0.6	7	0.6
M66	13	0	0.0	0	0.0	0	0.0
M67	8	2	2.3	0	0.0	2	1.8
M602	7	2	1.6	0	0.0	3	2.0
A627(M)	7	0	0.0	0	0.0	0	0.0
Total	171	32	0.7	2	0.1	46	0.8

Table 1.13 Car, Goods and All Casualty Rates on Motorways for 2006							
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	55	14	13	10	71	13
M56	11	77	22	2	3	83	20
M58	1	9	60	4	69	13	62
M60	60	348	19	25	5	381	16
M61	22	102	21	14	10	121	19
M62	27	149	19	25	8	177	16
M66	13	24	10	5	7	29	9
M67	8	28	32	0	0	29	26
M602	7	35	29	0	0	39	26
A627(M)	7	17	23	0	0	18	19
Total	171	844	19	88	6	961	17

Notes:

1. Casualty rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1138 'Transport Statistics Greater Manchester 2005'.
2. KSI = Killed and Seriously Injured.
3. Car – From 1999 this definition was revised to exclude invalid tricycles and motor caravans.

Figure 1.9 All Casualty Rates on Motorways 2006



Casualty Rates by Road Class and Casualty Type

Table 1.14a Casualty Rates by Road Class and Casualty Type – Casualty Rate Per Km, 2006																		
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	0	0.00	0	0.00	3	0.16	71	3.88	0	0.00	12	0.66	0	0.00	86	4.70
	A	101.4	99	0.98	25	0.25	50	0.49	421	4.15	35	0.35	15	0.15	4	0.04	649	6.40
	B	48.2	33	0.68	9	0.19	10	0.21	110	2.28	2	0.04	6	0.12	3	0.06	173	3.59
	C	46.9	10	0.21	7	0.15	8	0.17	60	1.28	5	0.11	2	0.04	1	0.02	93	1.98
	U	796.6	93	0.12	16	0.02	15	0.02	163	0.20	9	0.01	3	0.00	7	0.01	306	0.38
	Total	1011.4	235	0.23	57	0.06	86	0.09	825	0.82	51	0.05	38	0.04	15	0.01	1307	1.29
Bury	M	20.7	1	0.05	0	0.00	1	0.05	96	4.64	0	0.00	12	0.58	1	0.05	111	5.36
	A	55.1	37	0.67	32	0.58	22	0.40	274	4.97	8	0.15	7	0.13	4	0.07	384	6.97
	B	32.7	19	0.58	4	0.12	10	0.31	72	2.20	1	0.03	4	0.12	1	0.03	111	3.39
	C	37.6	18	0.48	7	0.19	7	0.19	71	1.89	0	0.00	1	0.03	0	0.00	104	2.77
	U	473.1	34	0.07	14	0.03	3	0.01	63	0.13	2	0.00	4	0.01	0	0.00	120	0.25
	Total	619.2	109	0.18	57	0.09	43	0.07	576	0.93	11	0.02	28	0.05	6	0.01	830	1.34
Manchester	M	17.4	0	0.00	0	0.00	4	0.23	87	5.00	0	0.00	5	0.29	0	0.00	96	5.52
	T	2.2	0	0.00	1	0.45	0	0.00	20	9.09	0	0.00	2	0.91	0	0.00	23	10.45
	A	114.7	225	1.96	85	0.74	58	0.51	901	7.86	54	0.47	16	0.14	8	0.07	1347	11.74
	B	38.1	58	1.52	36	0.94	17	0.45	141	3.70	8	0.21	7	0.18	1	0.03	268	7.03
	C	84.1	60	0.71	31	0.37	26	0.31	252	3.00	12	0.14	14	0.17	4	0.05	399	4.74
	U	1117.8	166	0.15	74	0.07	29	0.03	404	0.36	22	0.02	8	0.01	8	0.01	711	0.64
Total	1374.3	509	0.37	227	0.17	134	0.10	1805	1.31	96	0.07	52	0.04	21	0.02	2844	2.07	
Oldham	M	6.6	0	0.00	0	0.00	1	0.15	11	1.67	0	0.00	0	0.00	0	0.00	12	1.82
	T	4.2	2	0.48	2	0.48	0	0.00	36	8.57	1	0.24	0	0.00	0	0.00	41	9.76
	A	94.1	69	0.73	15	0.16	17	0.18	375	3.99	13	0.14	10	0.11	6	0.06	505	5.37
	B	31.2	14	0.45	5	0.16	3	0.10	84	2.69	3	0.10	2	0.06	0	0.00	111	3.56
	C	31.6	33	1.04	5	0.16	9	0.28	112	3.54	9	0.28	2	0.06	0	0.00	170	5.38
	U	653.8	76	0.12	16	0.02	5	0.01	101	0.15	9	0.01	1	0.00	5	0.01	213	0.33
Total	821.5	194	0.24	43	0.05	35	0.04	719	0.88	35	0.04	15	0.02	11	0.01	1052	1.28	
Rochdale	M	24.2	0	0.00	0	0.00	1	0.04	111	4.59	0	0.00	19	0.79	0	0.00	131	5.41
	A	79.6	66	0.83	18	0.23	29	0.36	309	3.88	16	0.20	7	0.09	2	0.03	447	5.62
	B	23.7	7	0.30	5	0.21	6	0.25	48	2.03	2	0.08	2	0.08	0	0.00	70	2.95
	C	34.3	16	0.47	4	0.12	5	0.15	52	1.52	1	0.03	4	0.12	2	0.06	84	2.45
	U	615.3	42	0.07	21	0.03	8	0.01	97	0.16	0	0.00	1	0.00	0	0.00	169	0.27
	Total	777.1	131	0.17	48	0.06	49	0.06	617	0.79	19	0.02	33	0.04	4	0.01	901	1.16

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 2006 differ slightly from 2005 but are consistent with previous years.

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	0	0.00	0	0.00	7	0.23	216	7.18	0	0.00	13	0.43	3	0.10	239	7.94
	A	87.0	58	0.67	25	0.29	30	0.34	304	3.49	15	0.17	10	0.11	2	0.02	444	5.10
	B	29.3	18	0.61	7	0.24	12	0.41	61	2.08	1	0.03	5	0.17	0	0.00	104	3.55
	C	28.6	12	0.42	2	0.07	2	0.07	35	1.22	2	0.07	0	0.00	0	0.00	53	1.85
	U	625.5	44	0.07	15	0.02	9	0.01	74	0.12	4	0.01	2	0.00	3	0.00	151	0.24
	Total	800.5	132	0.16	49	0.06	60	0.07	690	0.86	22	0.03	30	0.04	8	0.01	991	1.24
Stockport	M	12.4	1	0.08	0	0.00	1	0.08	68	5.48	0	0.00	5	0.40	0	0.00	75	6.05
	A	84.1	46	0.55	31	0.37	30	0.36	331	3.94	28	0.33	13	0.15	2	0.02	481	5.72
	B	37.6	30	0.80	12	0.32	6	0.16	69	1.84	7	0.19	0	0.00	1	0.03	125	3.32
	C	43.4	17	0.39	7	0.16	12	0.28	78	1.80	5	0.12	2	0.05	2	0.05	123	2.83
	U	806.8	50	0.06	39	0.05	18	0.02	107	0.13	16	0.02	5	0.01	5	0.01	240	0.30
	Total	984.3	144	0.15	89	0.09	67	0.07	653	0.66	56	0.06	25	0.03	10	0.01	1044	1.06
Tameside	M	15.3	1	0.07	0	0.00	1	0.07	63	4.12	0	0.00	3	0.20	0	0.00	68	4.44
	T	3.2	0	0.00	1	0.31	0	0.00	10	3.13	0	0.00	0	0.00	0	0.00	11	3.44
	A	62.0	37	0.60	16	0.26	21	0.34	217	3.50	16	0.26	7	0.11	4	0.06	318	5.13
	B	31.9	12	0.38	3	0.09	8	0.25	44	1.38	0	0.00	1	0.03	0	0.00	68	2.13
	C	37.4	31	0.83	6	0.16	6	0.16	92	2.46	5	0.13	6	0.16	1	0.03	147	3.93
	U	605.6	47	0.08	12	0.02	9	0.01	70	0.12	2	0.00	2	0.00	2	0.00	144	0.24
	Total	755.4	128	0.17	38	0.05	45	0.06	496	0.66	23	0.03	19	0.03	7	0.01	756	1.00
Trafford	M	9.5	0	0.00	0	0.00	0	0.00	57	6.00	0	0.00	2	0.21	0	0.00	59	6.21
	A	58.4	25	0.43	34	0.58	19	0.33	245	4.20	10	0.17	5	0.09	5	0.09	343	5.87
	B	53.3	21	0.39	19	0.36	11	0.21	89	1.67	6	0.11	2	0.04	0	0.00	148	2.78
	C	48.5	14	0.29	10	0.21	3	0.06	74	1.53	7	0.14	0	0.00	1	0.02	109	2.25
	U	633.3	27	0.04	25	0.04	10	0.02	61	0.10	4	0.01	2	0.00	1	0.00	130	0.21
	Total	803.0	87	0.11	88	0.11	43	0.05	526	0.66	27	0.03	11	0.01	7	0.01	789	0.98
Wigan	M	16.7	1	0.06	0	0.00	2	0.12	64	3.83	0	0.00	17	1.02	0	0.00	84	5.03
	A	117.1	80	0.68	28	0.24	38	0.32	391	3.34	32	0.27	8	0.07	7	0.06	584	4.99
	B	55.9	26	0.47	4	0.07	20	0.36	109	1.95	2	0.04	6	0.11	2	0.04	169	3.02
	C	67.7	34	0.50	11	0.16	4	0.06	110	1.62	6	0.09	4	0.06	1	0.01	170	2.51
	U	866.1	69	0.08	35	0.04	28	0.03	124	0.14	13	0.02	4	0.00	1	0.00	274	0.32
	Total	1123.5	210	0.19	78	0.07	92	0.08	798	0.71	53	0.05	39	0.03	11	0.01	1281	1.14
Greater Manchester	M	171.2	4	0.02	0	0.00	21	0.12	844	4.93	0	0.00	88	0.51	4	0.02	961	5.61
	T	9.6	2	0.21	4	0.42	0	0.00	66	6.88	1	0.10	2	0.21	0	0.00	75	7.81
	A	853.5	742	0.87	309	0.36	314	0.37	3768	4.41	227	0.27	98	0.11	44	0.05	5502	6.45
	B	381.9	238	0.62	104	0.27	103	0.27	827	2.17	32	0.08	35	0.09	8	0.02	1347	3.53
	C	460.1	245	0.53	90	0.20	82	0.18	936	2.03	52	0.11	35	0.08	12	0.03	1452	3.16
	U	7193.9	648	0.09	267	0.04	134	0.02	1264	0.18	81	0.01	32	0.00	32	0.00	2458	0.34
	Total	9070.2	1879	0.21	774	0.09	654	0.07	7705	0.85	393	0.04	290	0.03	100	0.01	11795	1.30

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

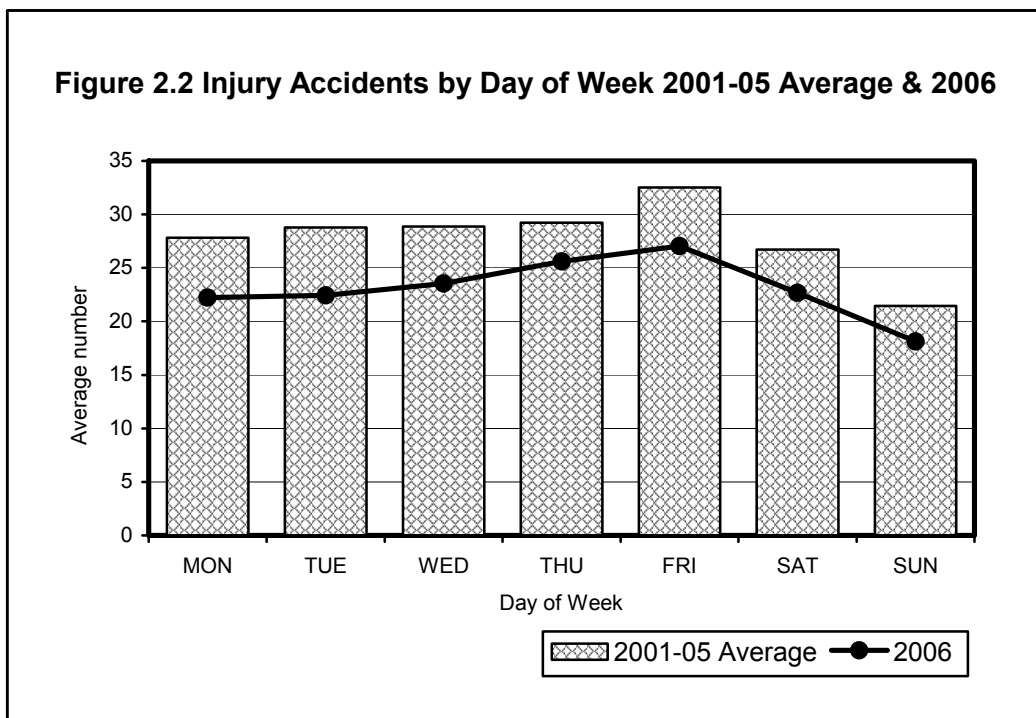
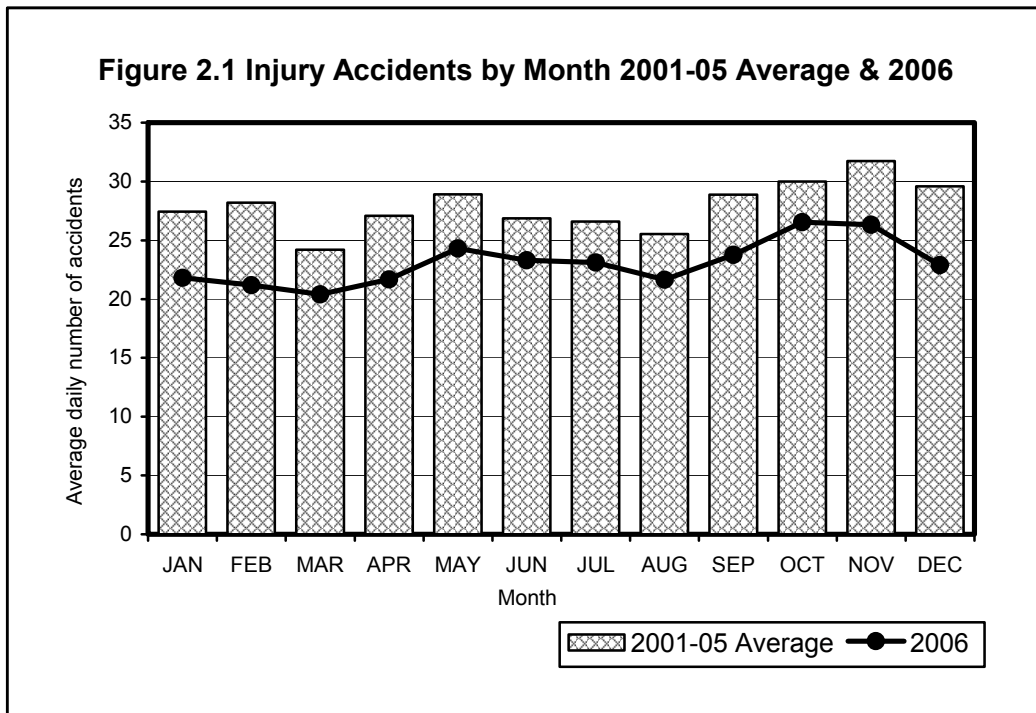
2. Accident Statistics

Accidents by Month

Table 2.1 Accidents by Month and Severity in 2006						
Month	Fatal	Serious	Slight	Total	KSI	Severity Index
January	5	57	614	676	62	0.09
February	5	59	529	593	64	0.11
March	8	65	559	632	73	0.12
April	4	49	597	650	53	0.08
May	3	64	687	754	67	0.09
June	11	71	617	699	82	0.12
July	6	73	638	717	79	0.11
August	5	62	604	671	67	0.10
September	10	64	639	713	74	0.10
October	10	73	740	823	83	0.10
November	11	72	707	790	83	0.11
December	8	76	626	710	84	0.12
Total 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 2006								
Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Average
January	17.4	21.8	18.8	25.5	26.3	24.5	20.3	21.8
February	22.3	24.5	19.5	23.0	21.3	21.5	16.3	21.2
March	20.0	19.3	28.8	20.4	23.2	17.8	13.3	20.4
April	18.4	20.8	17.3	23.5	24.8	27.8	20.4	21.7
May	30.8	20.4	25.2	22.0	27.8	24.5	21.0	24.3
June	17.3	21.5	25.0	29.8	29.0	21.2	18.5	23.3
July	25.8	15.4	28.5	23.5	26.8	24.8	19.4	23.1
August	20.8	25.3	21.0	25.6	21.0	22.0	15.3	21.6
September	24.3	24.0	23.0	31.0	29.8	27.0	19.3	23.8
October	25.4	25.0	24.0	32.0	34.0	24.3	22.5	26.5
November	27.0	29.5	32.3	26.4	26.6	22.5	20.0	26.3
December	18.8	23.5	20.8	26.5	36.3	21.8	15.8	22.9
Total 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	% KSI accidents % traffic volume
0000	2.4	2.8	2.4	2.0	3.0	2.8	2.6	2.8	2.6	3.3
0100	1.8	2.4	1.8	0.6	2.0	1.2	2.4	2.6	0.8	1.8
0200	1.2	2.0	1.8	1.2	2.6	1.8	1.6	1.8	2.2	6.6
0300	1.0	0.4	0.8	1.4	1.8	1.0	2.4	1.2	0.4	1.4
0400	0.7	0.6	0.0	1.0	0.2	0.2	0.4	0.2	0.4	0.9
0500	1.1	0.6	1.0	2.0	1.6	1.0	1.6	1.2	1.6	1.4
0600	2.2	2.4	1.6	1.6	0.6	2.6	1.8	1.4	2.4	0.7
0700	5.7	5.0	6.2	5.4	7.4	6.2	5.2	4.0	5.8	0.7
0800	8.5	9.6	7.2	8.6	6.0	7.8	9.0	7.6	6.6	0.7
0900	5.6	5.2	6.2	3.6	4.6	4.0	3.4	6.0	2.6	0.3
1000	6.2	4.4	4.0	3.4	4.6	4.8	3.8	3.4	5.2	0.8
1100	6.4	4.6	4.2	5.0	5.6	5.0	5.4	5.6	4.2	0.6
1200	7.2	8.0	6.0	6.0	6.0	5.8	3.4	6.8	5.8	0.8
1300	8.5	5.8	5.0	6.8	6.2	6.6	3.8	8.2	4.4	0.6
1400	7.6	7.0	8.0	9.0	9.0	7.4	5.8	6.6	7.4	0.9
1500	13.0	9.4	13.0	11.4	10.0	12.0	10.2	11.0	8.0	0.9
1600	16.2	12.8	15.4	9.4	17.4	11.6	13.0	12.0	12.6	1.3
1700	16.6	15.4	11.8	13.2	12.0	15.0	12.8	14.4	9.2	0.9
1800	13.3	13.0	11.4	14.4	9.0	10.2	10.0	9.0	10.0	1.3
1900	12.2	9.2	8.6	10.6	8.4	9.0	8.2	9.0	8.2	1.4
2000	10.2	7.8	7.0	6.2	8.0	7.4	8.4	5.8	9.6	2.2
2100	7.5	4.8	5.4	6.2	4.0	5.0	6.8	5.4	4.2	1.3
2200	6.4	4.6	4.6	4.4	5.8	3.2	4.6	4.4	4.4	1.7
2300	5.8	4.0	7.2	4.4	6.2	5.0	4.0	5.8	4.8	2.9
Total	167.4	141.8	140.6	137.8	142.0	136.6	130.6	136.2	123.4	

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	% accidents % traffic volume
0000	16.8	19.0	17.0	15.0	18.4	16.0	15.4	15.2	14.4	1.8
0100	9.0	12.2	10.6	8.8	10.6	10.4	10.4	8.6	8.4	1.9
0200	8.0	8.6	8.8	9.0	9.4	10.2	10.8	8.4	9.6	2.8
0300	3.8	4.4	5.6	5.8	6.0	5.0	6.4	4.4	4.4	1.5
0400	3.5	4.4	2.6	4.8	1.8	3.2	3.2	4.2	2.6	0.6
0500	6.8	6.6	7.4	7.4	5.4	6.8	7.4	5.6	5.6	0.5
0600	17.5	17.6	19.8	16.4	13.4	16.8	17.0	13.0	18.4	0.5
0700	77.5	70.6	80.0	68.2	63.0	61.2	63.2	55.6	49.4	0.6
0800	147.7	146.8	146.8	129.4	127.6	128.0	111.6	107.2	96.8	1.0
0900	93.3	91.8	106.0	87.2	79.0	78.6	73.0	71.8	59.4	0.7
1000	78.8	79.6	68.8	63.0	71.4	62.0	58.6	60.6	54.6	0.8
1100	86.7	80.2	80.0	75.0	66.2	73.0	63.8	64.8	56.8	0.8
1200	97.1	100.8	90.4	94.4	88.8	79.2	76.2	78.4	68.6	0.9
1300	109.0	102.6	106.2	99.0	90.2	91.2	75.6	77.8	65.8	0.8
1400	101.5	95.2	100.6	99.6	93.8	86.0	81.0	76.8	75.4	0.9
1500	145.9	139.2	147.6	143.2	137.6	137.4	133.2	117.8	105.0	1.2
1600	171.9	159.2	160.2	153.0	146.0	145.8	140.2	120.4	112.0	1.1
1700	186.8	183.8	173.0	171.6	156.0	157.6	147.2	136.6	118.8	1.2
1800	131.9	139.4	131.4	133.4	121.8	111.8	106.6	101.0	92.8	1.1
1900	104.9	104.4	99.8	91.6	90.4	87.6	83.6	76.2	70.4	1.2
2000	83.7	79.8	78.8	77.4	75.2	66.0	62.8	59.0	59.6	1.4
2100	62.1	56.4	60.4	57.4	47.2	54.4	53.0	45.6	41.4	1.2
2200	46.5	39.6	44.0	45.4	41.6	37.8	40.6	36.8	41.6	1.6
2300	39.2	30.4	39.2	31.4	35.2	27.2	29.0	31.2	29.4	1.7
Total	1829.8	1772.6	1785.0	1687.4	1596.0	1553.2	1469.8	1377.0	1261.2	

Note: The percentage of weekday traffic volumes used in the above tables is based on results from ATC sites on 54 A roads throughout the county in 2005 (Table 12, GMTU Report 1138)

Figure 2.3 KSI Accidents & Traffic Flow by Time of Day 2006 - Weekday

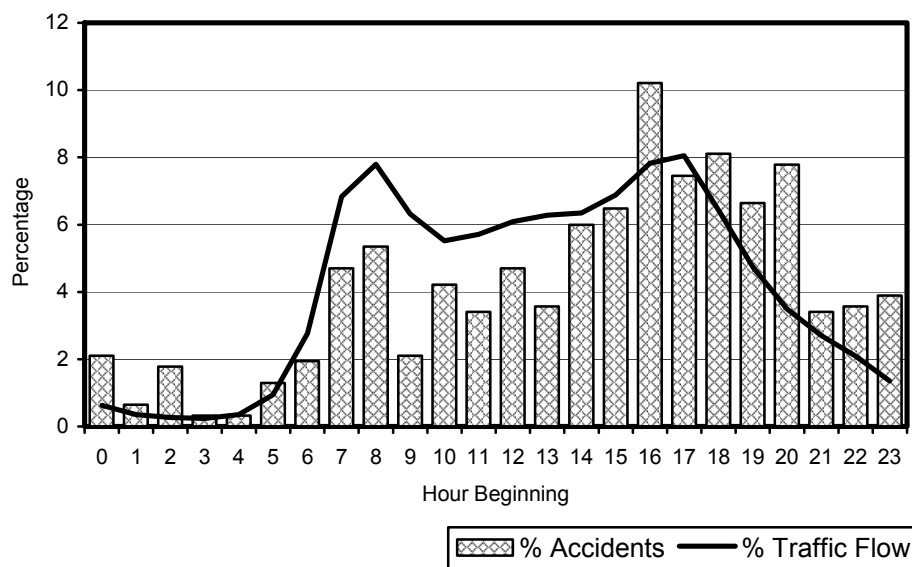
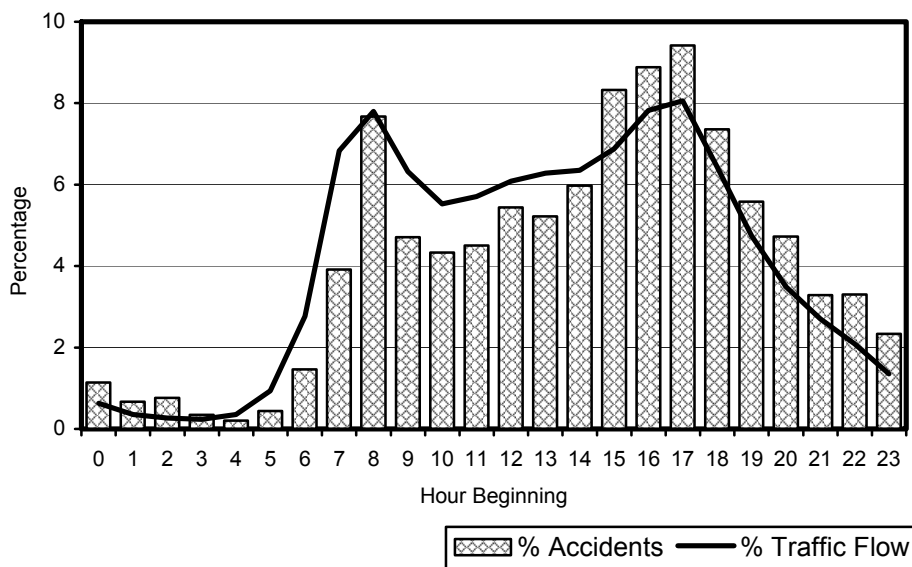


Figure 2.4 Accidents & Traffic Flow by Time of Day 2006 - Weekday



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

Table 2.5 KSI Accidents by Time of Day – Saturday										
From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	% KSI accidents % traffic volume
0000	7	9	9	8	7	6	9	6	6	2.6
0100	6	9	6	11	6	7	4	9	9	5.5
0200	8	5	6	9	3	11	19	5	10	7.4
0300	2	6	4	3	1	2	3	5	6	6.4
0400	1	0	6	3	3	3	2	3	2	2.7
0500	1	2	1	2	4	3	1	2	3	2.6
0600	2	2	1	3	1	1	4	3	2	0.9
0700	3	2	3	2	2	0	3	3	1	0.3
0800	2	4	5	2	1	3	2	7	3	0.5
0900	3	2	1	1	3	4	0	2	4	0.5
1000	7	8	6	2	7	10	4	4	3	0.3
1100	8	7	13	6	7	6	6	5	2	0.2
1200	8	11	8	9	3	7	8	8	5	0.4
1300	10	13	11	6	10	6	9	3	6	0.5
1400	11	6	7	12	8	9	5	15	10	0.9
1500	10	9	12	15	8	7	4	14	5	0.5
1600	15	13	7	6	12	17	8	10	3	0.3
1700	15	6	7	10	14	10	5	12	13	1.4
1800	13	17	19	11	6	13	11	5	6	0.7
1900	9	13	9	12	8	17	11	12	12	1.7
2000	9	11	8	5	7	10	12	11	10	1.8
2100	9	10	2	5	5	12	10	10	7	1.7
2200	6	8	5	6	9	8	5	9	8	2.2
2300	10	10	12	9	10	2	14	8	8	2.4
Total	175	183	168	158	145	174	159	171	144	

Table 2.6 Accidents by Time of Day – Saturday										
From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	% accidents % traffic volume
0000	53	49	70	65	39	48	48	45	44	2.3
0100	32	36	37	39	37	39	32	31	40	3.0
0200	39	29	43	51	41	51	48	25	35	3.2
0300	13	17	23	26	28	20	33	20	22	2.9
0400	10	9	16	15	8	11	9	15	22	3.6
0500	6	10	8	10	6	10	6	5	14	1.5
0600	11	16	7	11	9	7	17	10	11	0.6
0700	25	20	21	20	17	15	16	17	13	0.4
0800	36	44	31	35	26	26	29	20	26	0.5
0900	53	38	46	37	41	37	31	28	34	0.5
1000	71	73	72	67	62	75	68	44	46	0.6
1100	106	93	135	89	81	85	72	81	66	0.7
1200	129	144	153	105	92	100	100	105	79	0.8
1300	137	102	137	121	124	100	79	97	88	0.9
1400	137	118	124	107	127	100	93	97	79	0.9
1500	118	105	113	121	105	84	85	93	75	0.9
1600	118	106	113	116	95	94	84	74	73	0.9
1700	119	98	102	117	96	87	85	91	84	1.1
1800	104	106	120	98	78	87	103	84	61	0.9
1900	92	99	104	91	69	77	82	89	72	1.3
2000	87	71	86	70	74	65	81	70	59	1.3
2100	63	61	53	59	48	51	50	55	50	1.5
2200	45	54	51	56	57	32	52	52	40	1.4
2300	56	67	74	57	45	37	51	43	46	1.7
Total	1658	1565	1739	1583	1405	1338	1354	1291	1179	

Note: The percentage of Saturday traffic volumes used in the above tables is based on results from ATC sites on 54 A roads throughout the county in 2005. (Table 12, GMTU Report 1138)

Figure 2.5 KSI Accidents & Traffic Flow by Time of Day 2006 - Saturday

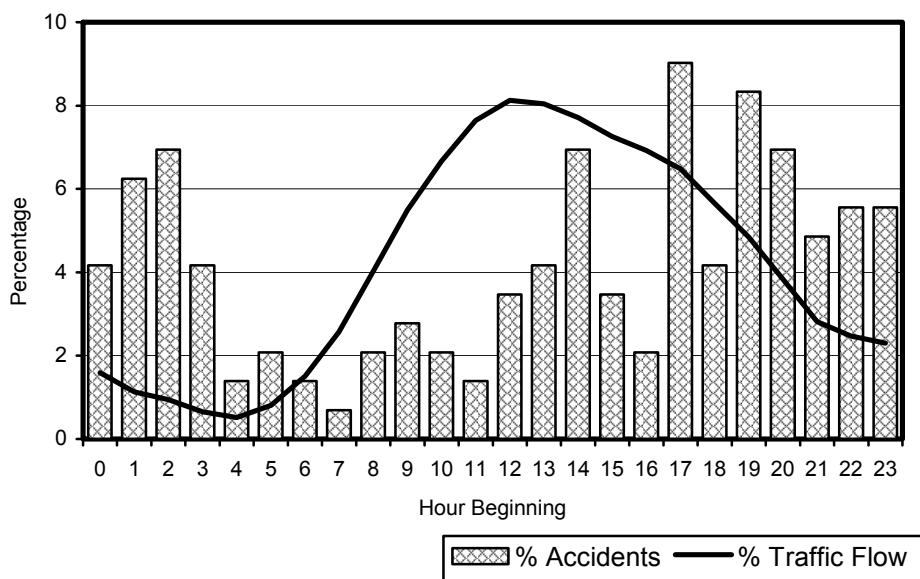
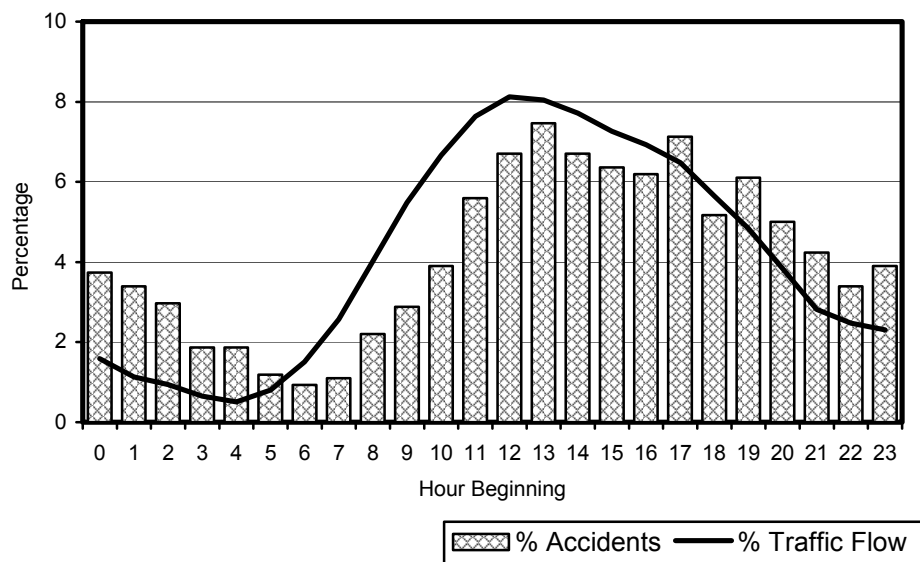


Figure 2.6 Accidents & Traffic Flow by Time of Day 2006 - Saturday



From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	% KSI accidents % traffic volume
0000	7	4	6	5	9	7	10	7	13	5.5
0100	4	8	4	5	6	8	5	8	2	1.2
0200	7	5	6	12	12	3	10	9	5	3.4
0300	3	4	6	5	6	6	9	2	1	1.0
0400	1	2	4	1	2	2	1	2	6	9.2
0500	1	0	0	2	2	3	1	0	2	2.7
0600	1	0	0	1	0	2	2	0	2	1.6
0700	2	4	2	2	3	5	0	0	0	0.0
0800	1	2	2	5	1	0	1	1	0	0.0
0900	2	2	2	4	3	4	2	0	0	0.0
1000	3	1	2	3	1	5	4	1	5	0.7
1100	4	2	6	2	4	5	1	4	7	0.8
1200	7	10	5	3	1	7	2	10	1	0.1
1300	9	7	3	6	4	7	6	10	8	0.8
1400	9	6	2	13	10	9	10	10	8	0.8
1500	11	11	6	10	8	5	6	13	11	1.2
1600	9	5	10	6	6	7	10	4	6	0.7
1700	10	8	6	6	5	13	7	14	5	0.7
1800	9	7	8	6	10	11	12	8	7	1.1
1900	8	13	7	9	8	8	5	4	4	0.8
2000	9	4	7	8	6	7	6	3	1	0.2
2100	7	7	6	6	5	6	3	4	7	2.1
2200	6	2	7	4	4	5	7	5	7	2.8
2300	9	7	10	6	6	6	6	4	2	1.1
Total	140	121	117	130	122	141	126	123	110	

From Hour	Average 1994-98	1999	2000	2001	2002	2003	2004	2005	2006	% accidents % traffic volume
0000	48	56	49	57	55	37	42	42	47	2.3
0100	31	31	38	38	32	31	32	41	30	2.0
0200	39	36	47	47	57	43	51	48	33	2.6
0300	21	24	30	22	35	31	26	25	17	2.0
0400	8	11	18	16	14	11	11	12	15	2.7
0500	6	4	4	7	8	13	7	2	7	1.1
0600	8	5	4	6	7	7	5	5	7	0.7
0700	13	12	10	10	11	11	13	14	8	0.5
0800	14	12	16	21	7	11	14	12	12	0.6
0900	25	25	22	22	22	21	19	22	19	0.5
1000	49	48	54	41	40	28	46	25	33	0.6
1100	63	54	78	63	55	39	50	49	60	0.8
1200	93	91	95	79	57	76	65	72	62	0.7
1300	106	123	126	94	75	102	83	74	74	0.9
1400	96	114	103	118	95	78	82	76	77	0.9
1500	96	87	89	109	73	73	60	65	68	0.9
1600	95	78	107	86	78	77	74	72	65	0.9
1700	83	80	90	70	92	80	73	68	59	1.0
1800	82	77	72	68	75	80	69	73	59	1.1
1900	75	82	72	65	71	66	54	53	51	1.2
2000	73	75	75	64	60	57	59	65	42	1.1
2100	51	48	55	46	61	46	44	45	40	1.4
2200	44	31	44	44	50	34	40	52	32	1.5
2300	50	52	48	37	30	30	38	34	26	1.6
Total	1269	1256	1346	1230	1160	1082	1057	1046	943	

Note: The percentage of Sunday traffic volumes used in the above tables is based on results from ATC sites on 54 A roads throughout the county in 2005. (Table 12, GMTU Report 1138)

Figure 2.7 KSI Accidents & Traffic Flow by Time of Day 2006 - Sunday

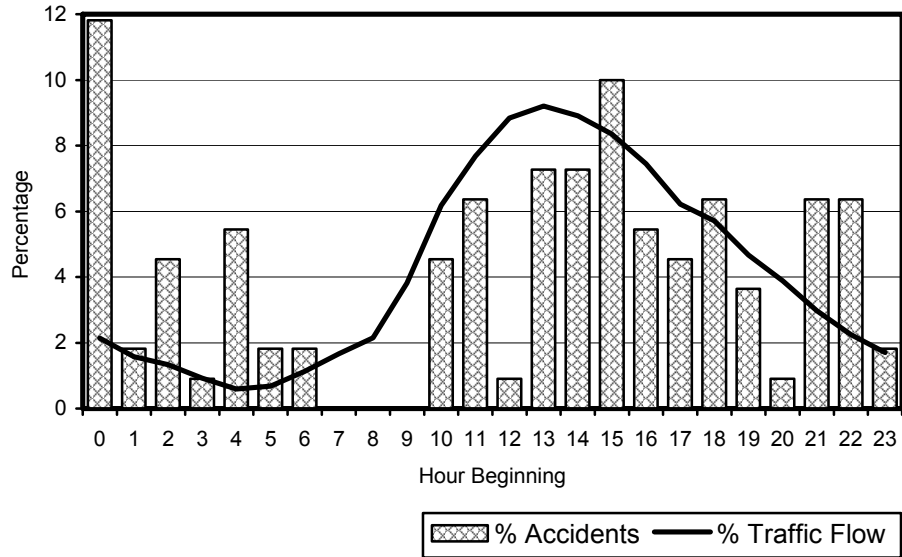
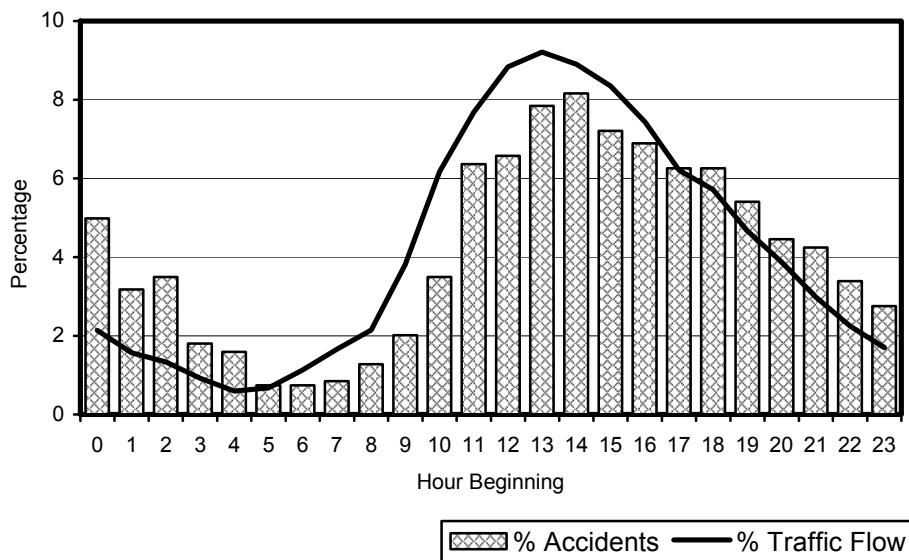


Figure 2.8 Accidents & Traffic Flow by Time of Day 2006 - Sunday



Accidents on A Class Roads

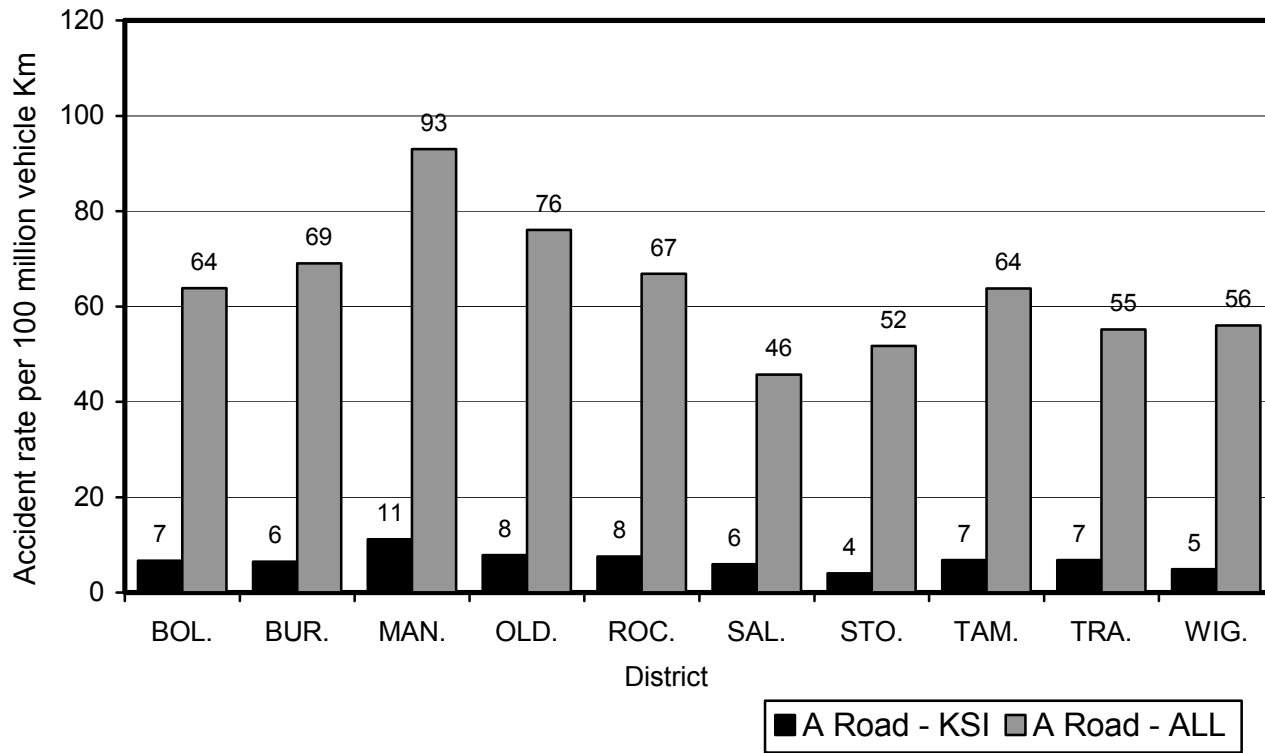
District	Road Length KM	Car KSI Accidents	Accident Rate Per 100 Million Car Km	Goods KSI Accidents	Accident Rate Per 100 Million Goods Km	All KSI Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	101	42	7	5	5	48	7
Bury	55	19	6	4	10	24	6
Manchester	116	97	11	9	8	114	11
Oldham	98	31	8	2	3	36	8
Rochdale	80	27	7	4	7	34	8
Salford	87	35	6	2	2	41	6
Stockport	84	23	4	0	0	26	4
Tameside	65	22	7	3	6	25	7
Trafford	58	20	5	6	12	29	7
Wigan	117	30	5	5	5	35	5
Total (All GM)	861	346	7	40	5	412	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	425	69	35	38	459	64
Bury	55	243	76	24	57	256	69
Manchester	116	852	97	71	63	946	93
Oldham	98	318	82	37	61	349	76
Rochdale	80	281	73	24	42	300	67
Salford	87	300	51	31	33	316	46
Stockport	84	314	56	29	40	332	52
Tameside	65	212	69	28	55	234	64
Trafford	58	211	57	30	58	235	55
Wigan	117	361	60	54	52	401	56
Total (All GM)	861	3517	70	363	49	3828	65

Notes:

1. Accident rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1138 'Transport Statistics Greater Manchester 2005'.
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 2006



Accidents on B Class Roads

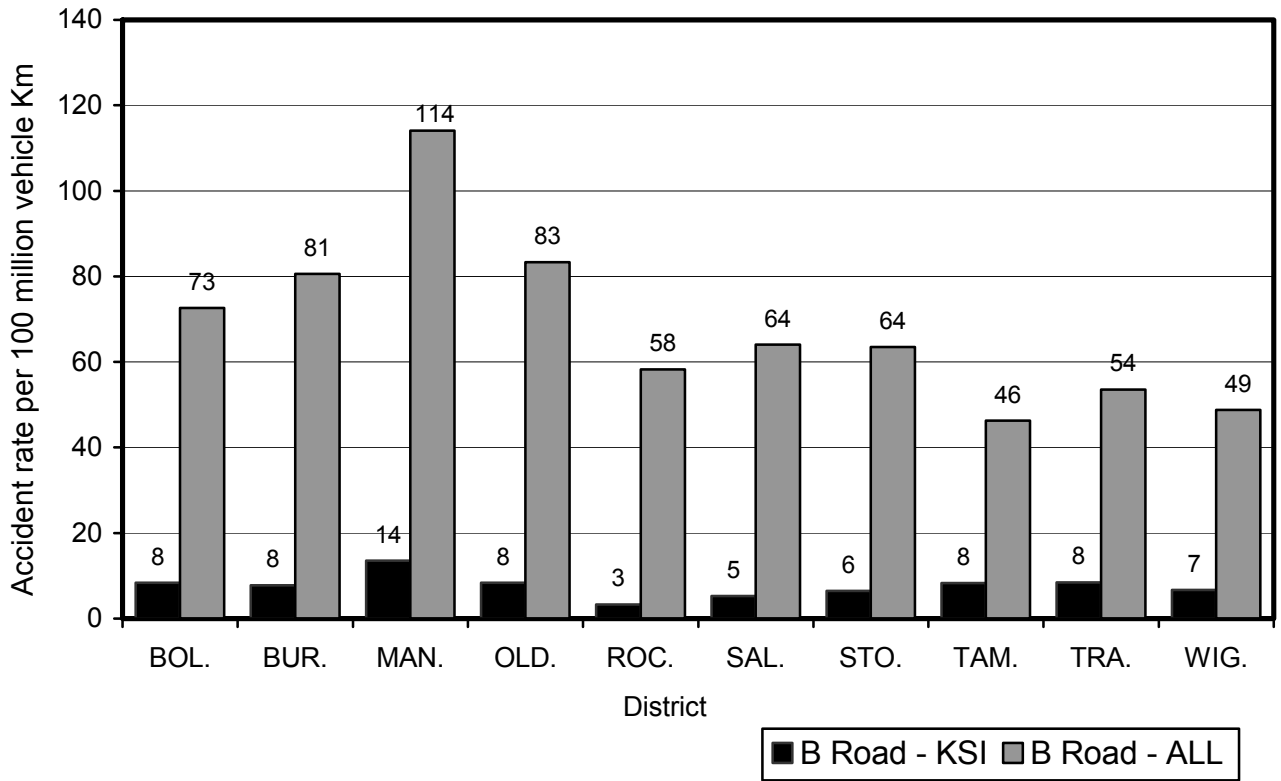
District	Road Length KM	Car KSI Accidents	Accident Rate Per 100 Million Car Km	Goods KSI Accidents	Accident Rate Per 100 Million Goods Km	All KSI Accidents	Accident Rate Per 100 Million Vehicle Km
Bolton	46	11	8	1	6	14	8
Bury	33	7	8	1	10	8	8
Manchester	36	19	12	3	18	24	14
Oldham	30	6	7	1	8	8	8
Rochdale	23	2	3	0	0	3	3
Salford	29	6	6	0	0	6	5
Stockport	36	9	6	2	12	11	6
Tameside	32	9	9	0	0	10	8
Trafford	52	16	8	2	10	18	8
Wigan	56	12	6	2	7	16	7
Total (All GM)	374	97	7	12	8	118	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	109	75	13	72	122	73
Bury	33	79	87	11	110	83	81
Manchester	36	178	116	18	106	202	114
Oldham	30	74	90	3	25	80	83
Rochdale	23	49	61	7	70	53	58
Salford	29	69	70	9	75	73	64
Stockport	36	98	66	4	24	108	64
Tameside	32	51	49	4	27	56	46
Trafford	52	107	57	16	80	114	54
Wigan	56	104	50	15	54	117	49
Total (All GM)	374	918	71	100	63	1008	68

Notes:

1. Accident rates per 100 million vehicle kilometres are derived from figures quoted in the GMTU Report 1138 'Transport Statistics Greater Manchester 2005'.
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 2006



Accidents on Motorways

Table 2.13 Injury Accident Rates Per 100 Million Vehicle Motorway Kilometres															
Road Number	2002			2003			2004			2005			2006		
	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	30	405	7	43	399	11	40	413	10	33	416	8	55	416	13
M61	63	576	11	64	587	11	68	619	11	62	627	10	75	627	12
M62 (M63 to Boundary)	21	340	6	32	346	9	15	337	4	31	349	9	29	349	8
OM62 (M66 to Boundary)	85	730	12	98	719	14	90	751	12	77	783	10	90	783	11
M66 (North of M62)	30	305	10	29	308	9	24	312	8	23	316	7	24	316	8
M67	15	108	14	12	105	11	11	108	10	13	113	12	20	113	18
M60 Formerly M63 (Spur)							1	9	11	0	9	0	0	9	0
Total	244	2474	10	281	2473	11	249	2549	10	239	2613	9	293	2613	11
M60 Ring (Northern Section)															
Formerly M62 (M63 to M66)	80	671	12	93	669	14	90	684	13	72	689	10	84	689	12
Formerly M66 (South of M62)	10	68	15	9	69	13	10	72	14	6	72	8	8	72	11
M60 (Middleton to Denton)	19	440	4	15	466	3	32	495	6	30	509	6	38	509	7
Total	109	1179	9	117	1204	10	132	1251	11	108	1270	9	130	1270	10
M60 (Southern Section)															
Formerly M63	118	936	13	107	935	11	99	956	10	104	912	11	102	912	11
Formerly M66 (Brinnington to Denton)	16	144	11	10	146	7	10	152	7	10	158	6	13	158	8
Total	134	1080	12	117	1081	11	109	1108	10	114	1070	11	115	1070	11
Others															
M602	15	144	10	23	145	16	30	148	20	24	153	16	30	153	20
M6	28	498	6	27	494	5	30	495	6	44	541	8	44	541	8
M58	8	18	44	10	19	53	6	21	29	1	21	5	7	21	33
A627(M)	12	90	13	26	89	29	28	94	30	18	95	19	12	95	13
Total	63	750	8	86	747	12	94	758	12	87	810	11	93	810	11
Grand Total	550	5482	10	601	5505	11	584	5665	10	548	5763	10	631	5763	11

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

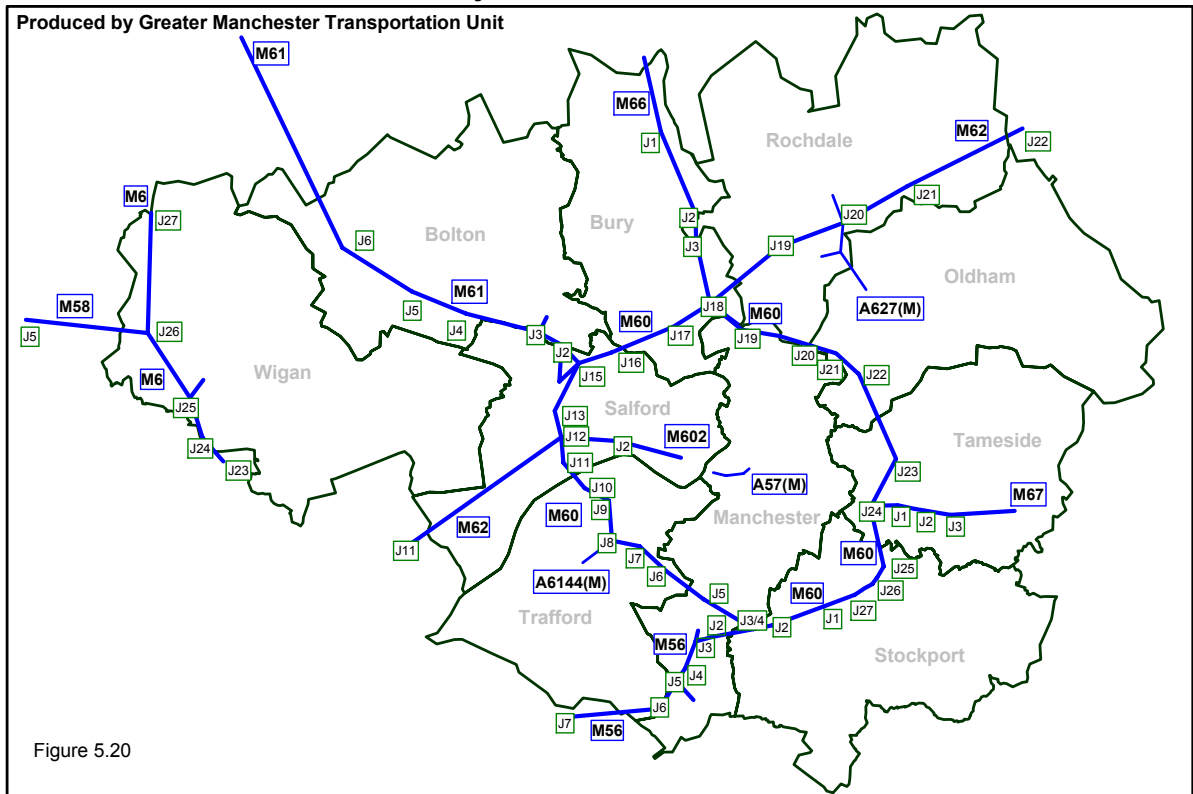
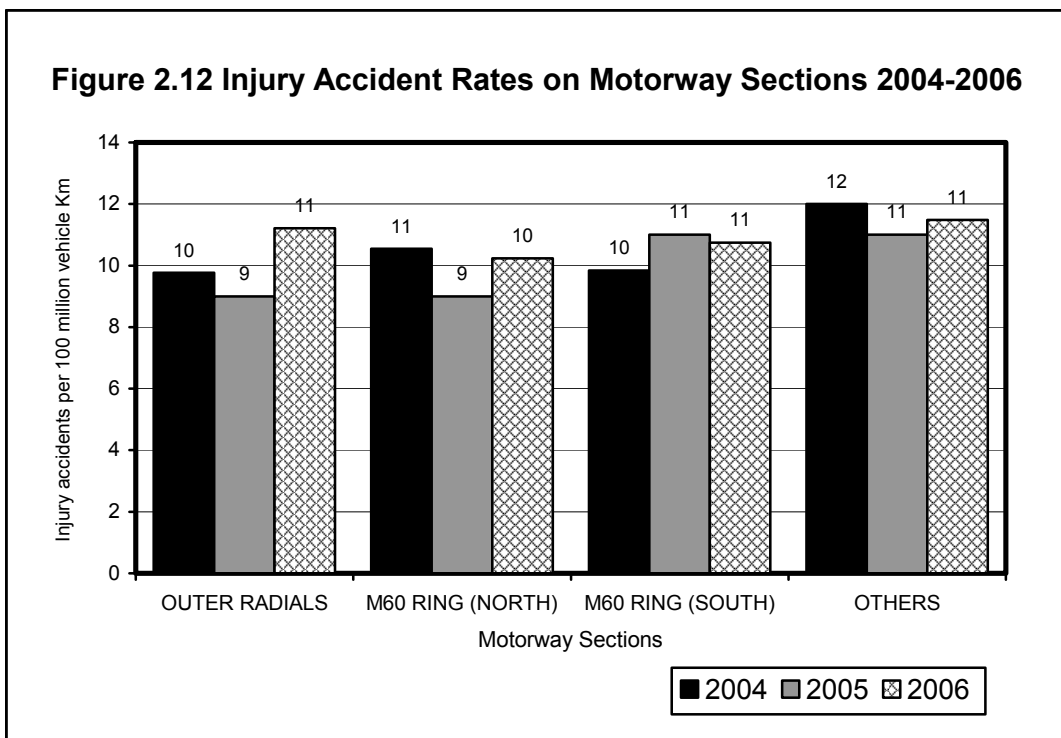


Figure 2.12 Injury Accident Rates on Motorway Sections 2004-2006



3. Vehicle Statistics

Vehicles Involved in Injury Accidents

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

Notes: Change of goods vehicle weight definition from 1994.

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

Vehicle Drivers Involved in Accidents by Sex and Age

Table 3.3 Drivers by Vehicle Type, Sex and Age of Driver – 2006																				
	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	1	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	1	2	0	3
5-9	1	1	0	2	47	13	0	60	0	0	0	0	0	0	1	1	48	14	1	63
10-14	1	0	0	1	121	14	0	135	9	0	0	9	3	0	0	3	134	14	0	148
15-19	597	241	4	842	81	8	0	89	173	12	0	185	15	1	0	16	866	262	4	1132
20-24	1008	619	10	1637	53	9	0	62	90	5	2	97	90	7	2	99	1241	640	14	1895
25-29	954	585	12	1551	66	24	0	90	51	7	0	58	160	11	1	172	1231	627	13	1871
30-34	994	571	53	1618	60	8	1	69	56	4	1	61	229	10	7	246	1339	593	62	1994
35-39	919	586	26	1531	57	10	0	67	69	5	0	74	222	18	9	249	1267	619	35	1921
40-44	797	479	14	1290	63	8	1	72	62	4	0	66	233	11	3	247	1155	502	18	1675
45-49	541	330	6	877	39	12	0	51	43	0	0	43	167	6	0	173	790	348	6	1144
50-54	472	224	1	697	26	2	0	28	20	0	0	20	151	7	2	160	669	233	3	905
55-59	368	180	0	548	18	5	0	23	16	5	0	21	123	1	0	124	525	191	0	716
60-64	259	101	1	361	15	2	0	17	15	0	0	15	73	1	0	74	362	104	1	467
65-69	163	73	0	236	5	3	0	8	9	0	0	9	14	1	0	15	191	77	0	268
70+	267	86	3	356	10	2	0	12	3	0	0	3	8	4	0	12	288	92	3	383
Unknown	452	83	428	963	2	0	0	2	10	0	10	20	57	6	84	147	521	89	522	1132
All Ages	7794	4159	558	12511	663	122	2	787	626	42	13	681	1545	84	109	1738	10628	4407	682	15717

Notes: M = Male
 F = Female
 NT = not traced
 Car= from 1999 this definition was revised to exclude invalid tricycles and motor caravans.

Vehicles Involved in Injury Accidents by Road Class

Table 3.4 Vehicle Involvement Rates: By Vehicle Type and Road Class 2002-2006															
	2002			2003			2004			2005			2006		
	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	4096	998	24	4133	1042	25	4231	1036	24	4361	1031	24	4361	1103	25
Goods	1348	234	17	1332	279	21	1396	234	17	1362	219	16	1362	279	20
All Vehicles	5482	1266	23	5505	1360	25	5665	1321	23	5763	1285	22	5763	1416	25
A Road															
Cars	4958	7262	146	4993	6963	139	4972	7022	141	5002	6462	129	5002	5888	118
Goods	717	625	87	721	620	86	746	473	63	738	518	70	738	385	52
All Vehicles	5800	9040	156	5834	8719	149	5834	8676	149	5858	8183	140	5858	7298	125
B Road															
Cars	1279	2042	160	1282	1899	148	1287	1725	134	1299	1677	129	1299	1432	110
Goods	152	146	96	153	136	89	159	108	68	159	99	62	159	105	66
All Vehicles	1465	2568	175	1468	2390	163	1479	2152	146	1492	2106	141	1492	1839	123

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).

Car – From 1999 this definition was revised to exclude invalid tricycles and motor caravans.

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 March 2007

Drivers Involved in		Male	Female	Not Traced	All
All Accidents	All Ages	14897	8313	1178	24388
	17-25	3705	2016	80	5801
	%17-25/All	24.9	24.3	6.8	23.8
All KSI Accidents	All Ages	1236	520	142	1898
	17-25	375	135	11	521
	%17-25/All	30.3	26.0	7.7	27.4
All 'Speeding' Accidents	All Ages	4242	2056	470	6768
	17-25	1250	529	37	1816
	%17-25/All	29.5	25.7	7.9	26.8
All KSI 'Speeding' Accidents	All Ages	440	147	70	657
	17-25	165	41	3	209
	%17-25/All	37.5	27.9	4.3	31.8

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	287	69	40	396	130	25	12	167
0100	196	37	34	267	97	10	20	127
0200	193	40	47	280	65	13	24	102
0300	118	26	27	171	72	17	17	106
0400	102	17	12	131	59	7	5	71
0500	78	19	11	108	25	8	2	35
0600	194	63	16	273	70	22	12	104
0700	500	268	29	797	121	49	9	179
0800	773	716	36	1525	211	154	10	375
0900	540	445	28	1013	155	99	13	267
1000	607	351	38	996	150	78	12	240
1100	688	449	47	1184	158	118	18	294
1200	892	528	53	1473	221	127	16	364
1300	900	574	49	1523	282	153	16	451
1400	909	530	49	1488	233	114	14	361
1500	1086	689	78	1853	258	166	23	447
1600	1176	722	73	1971	322	169	27	518
1700	1357	829	95	2281	349	208	35	592
1800	1066	611	78	1755	286	154	30	470
1900	937	469	67	1473	226	109	27	362
2000	769	328	70	1167	217	87	34	338
2100	584	233	77	894	181	66	41	288
2200	539	195	71	805	191	74	28	293
2300	406	105	53	564	163	29	25	217
Total	14897	8313	1178	24388	4242	2056	470	6768

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	33	12	9	54	18	5	3	26
0100	39	4	4	47	28	3	1	32
0200	37	10	14	61	21	5	10	36
0300	15	5	8	28	12	4	5	21
0400	23	3	3	29	14	2	1	17
0500	17	1	4	22	7	0	1	8
0600	14	7	2	23	10	2	1	13
0700	33	13	3	49	6	2	0	8
0800	35	29	5	69	11	9	2	22
0900	28	24	0	52	4	6	0	10
1000	30	15	1	46	7	4	0	11
1100	42	17	7	66	14	3	3	20
1200	53	29	6	88	18	5	0	23
1300	46	31	3	80	16	10	1	27
1400	73	36	9	118	17	9	2	28
1500	77	42	9	128	20	8	6	34
1600	80	37	1	118	21	8	0	29
1700	100	52	6	158	25	9	4	38
1800	83	43	8	134	22	10	3	35
1900	97	33	5	135	25	9	3	37
2000	68	30	10	108	28	11	7	46
2100	64	21	12	97	36	10	9	55
2200	70	18	8	96	23	9	5	37
2300	79	8	5	92	37	4	3	44
Total	1236	520	142	1898	440	147	70	657

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 March 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	2067	1173	161	3401	545	278	68	891
Tuesday	1990	1212	144	3346	538	296	50	884
Wednesday	2158	1334	171	3663	620	336	59	1015
Thursday	2126	1287	131	3544	622	293	47	962
Friday	2450	1439	177	4066	640	346	68	1054
Saturday	2211	1010	222	3443	665	283	91	1039
Sunday	1895	858	172	2925	612	224	87	923
Total	14897	8313	1178	24388	4242	2056	470	6768

Table 4.5 Numbers of Car Drivers Involved in KSI Accidents by Day of Week and Sex, from April 2005 to March 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	142	81	14	237	49	18	6	73
Tuesday	137	70	9	216	37	20	4	61
Wednesday	154	67	8	229	54	26	4	84
Thursday	176	73	17	266	65	20	6	91
Friday	210	91	23	324	54	14	10	78
Saturday	229	83	47	359	96	31	25	152
Sunday	188	55	24	267	85	18	15	118
Total	1236	520	142	1898	440	147	70	657

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'.

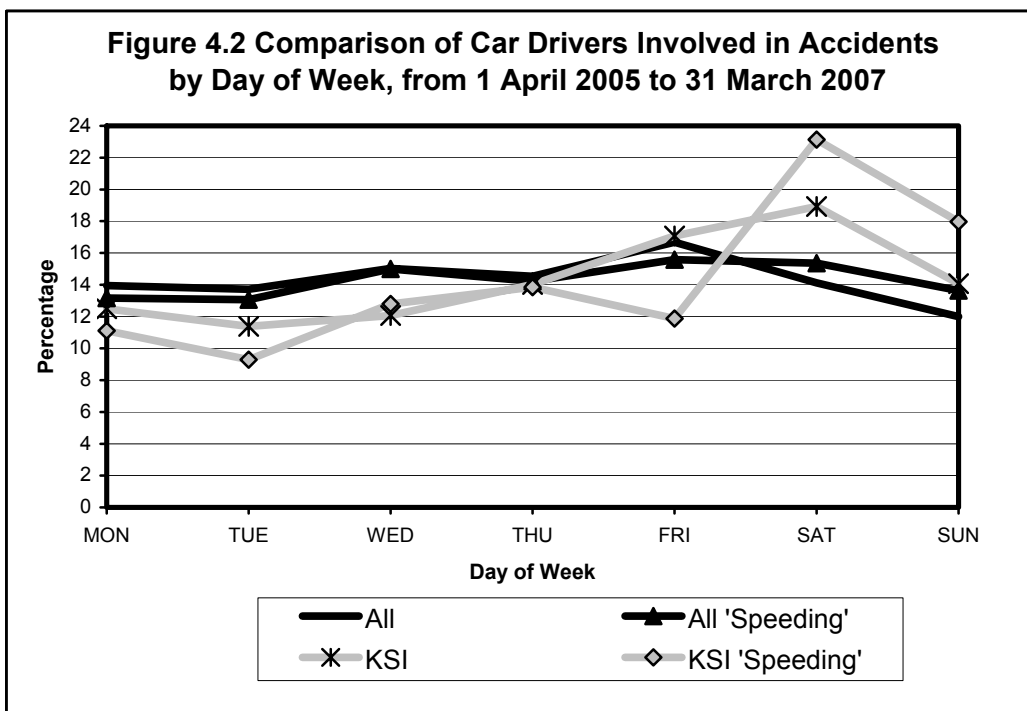
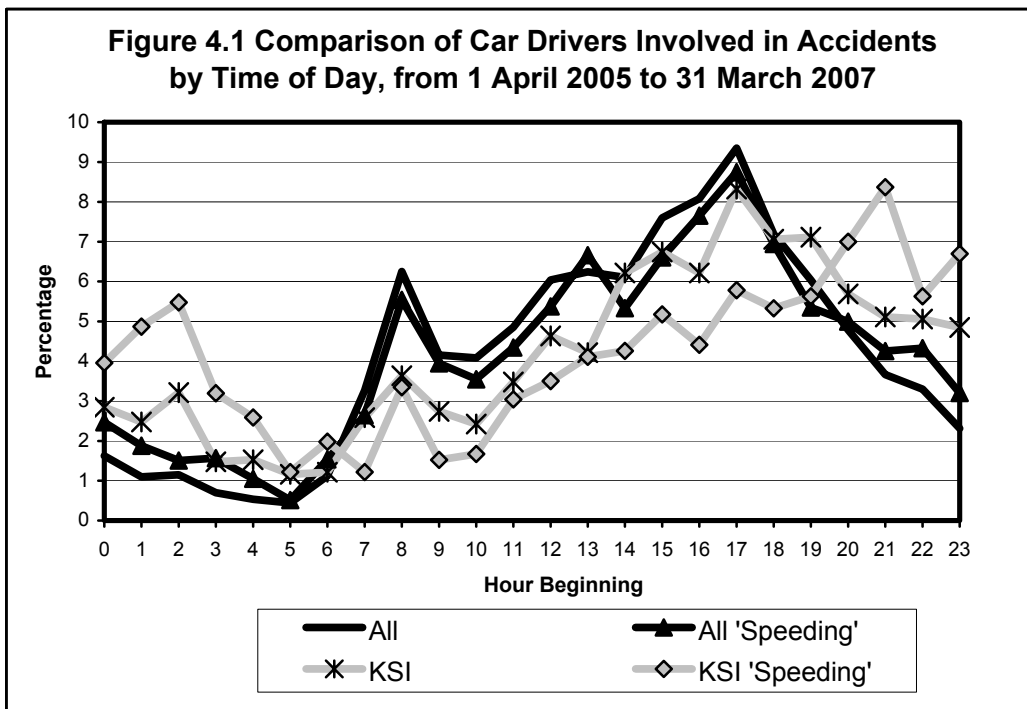


Table 4.6 Drivers by Age and Gender Involved in Child (0-15) Pedestrian Accidents on All Roads, from 2002 to 2006					
Age	2002	2003	2004	2005	2006
Male					
Under 15	2	7	4	2	4
15-19	36	37	27	27	21
20-24	73	79	64	58	44
25-29	90	80	66	64	44
30-34	78	97	80	74	48
35-39	88	86	64	73	56
40-44	69	67	58	55	46
45-49	62	44	51	48	26
50-54	42	53	41	36	42
55-59	50	36	40	34	25
60-64	32	31	22	21	26
65-69	23	16	26	7	15
70-74	16	8	11	17	7
75-79	7	9	3	3	5
80-84	2	1	3	3	1
85-89	0	2	1	0	1
Unknown	7	9	1	25	30
All Male	677	662	562	547	441
Female					
Under 15	1	0	0	0	0
15-19	8	12	13	8	10
20-24	46	40	40	19	29
25-29	43	44	51	25	31
30-34	85	49	50	37	30
35-39	62	55	39	43	32
40-44	46	40	44	31	35
45-49	24	28	26	25	19
50-54	30	31	16	16	14
55-59	10	14	14	20	8
60-64	5	9	2	6	14
65-69	9	5	8	5	7
70-74	5	0	4	2	3
75-79	1	1	1	0	1
80-84	2	0	0	0	2
Unknown	1	1	0	5	6
All Female	378	329	308	242	241
Not Traced (NT)					
15-19	1	0	0	0	0
20-24	0	0	0	2	1
25-29	0	1	1	0	1
30-34	1	1	3	0	4
35-39	1	1	0	0	1
Unknown	43	53	50	33	31
All Ages NT	46	56	54	35	38
All					
Under 15	3	7	4	2	4
15-19	45	49	40	35	31
20-24	119	119	104	79	74
25-29	133	125	118	89	76
30-34	164	147	133	111	82
35-39	151	142	103	116	89
40-44	115	107	102	86	81
45-49	86	72	77	73	45
50-54	72	84	57	52	56
55-59	60	50	54	54	33
60-64	37	40	24	27	40
65-69	32	21	34	12	22
70-74	21	8	15	19	10
75-79	8	10	4	3	6
80-84	4	1	3	3	3
85-89	0	2	1	0	1
Unknown	51	63	51	63	67
All Ages	1101	1047	924	824	720

Table 4.7 Drivers by Age and Gender Involved in Child (0-15) Pedestrian Accidents on Minor Roads, from 2002 to 2006					
Age	2002	2003	2004	2005	2006
Male					
Under 15	2	5	2	2	3
15-19	28	27	17	16	10
20-24	49	47	36	34	25
25-29	57	53	43	36	26
30-34	56	49	47	50	23
35-39	47	51	39	47	34
40-44	39	39	38	34	29
45-49	35	22	22	26	13
50-54	20	27	27	15	22
55-59	26	15	24	21	17
60-64	19	18	12	14	13
65-69	14	9	14	5	8
70-74	6	5	6	7	5
75-79	1	3	2	2	2
80-84	1	1	2	2	0
85-89	0	2	0	0	1
Unknown	1	6	0	16	23
All Male	401	379	331	327	254
Female					
Under 15	1	0	0	0	0
15-19	3	8	7	4	7
20-24	23	23	23	8	21
25-29	27	22	31	11	17
30-34	53	39	25	20	20
35-39	34	37	25	21	19
40-44	29	24	27	21	26
45-49	13	16	15	15	12
50-54	17	16	7	11	10
55-59	7	8	6	13	7
60-64	4	6	1	1	7
65-69	5	5	4	2	3
70-74	2	0	3	1	2
75-79	1	0	1	0	0
80-84	0	0	0	0	1
Unknown	0	1	0	4	3
All Female	219	205	175	132	155
Not Traced (NT)					
15-19	1	0	0	0	0
20-24	0	0	0	2	0
30-34	1	0	3	0	4
35-39	0	1	0	0	1
Unknown	22	35	27	16	20
All Ages NT	24	36	30	18	25
All					
Under 15	3	5	2	2	3
15-19	32	35	24	20	17
20-24	72	70	59	44	46
25-29	84	75	74	47	43
30-34	110	88	75	70	47
35-39	81	89	64	68	54
40-44	68	63	65	55	55
45-49	48	38	37	41	25
50-54	37	43	34	26	32
55-59	33	23	30	34	24
60-64	23	24	13	15	20
65-69	19	14	18	7	11
70-74	8	5	9	8	7
75-79	2	3	3	2	2
80-84	1	1	2	2	1
85-89	0	2	0	0	1
Unknown	23	42	27	36	46
All Ages	644	620	536	477	434

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 2006. See GMTU Report 1137 (Tables 9.1 to 9.10) for tabulations of the local causation factors between April 1999 and March 2005

Code	Contributory Factor	April 2005 to December 2006			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	2408	2208	4616	14.52
406	Driver/Rider failed to judge other person's path or speed	1293	1798	3091	9.72
602	Driver/Rider - Careless/reckless/in a hurry	984	1180	2164	6.81
403	Poor turn or manoeuvre	991	965	1956	6.15
802	Pedestrian failed to look properly	1231	672	1903	5.99
410	Loss of control	698	438	1136	3.57
103	Slippery road (due to weather)	504	494	998	3.14
808	Pedestrian - Careless/reckless/in a hurry	490	361	851	2.68
408	Sudden braking	403	431	834	2.62
307	Travelling too fast for conditions	350	459	809	2.54
601	Aggressive driving	457	315	772	2.43
308	Following too close	338	433	771	2.42
501	Driver/Rider impaired by alcohol	510	210	720	2.26
701	Stationary or parked vehicle(s)	377	304	681	2.14
306	Exceeding speed limit	300	372	672	2.11
605	Learner or inexperienced driver/rider	287	359	646	2.03
803	Failed to judge vehicle's path or speed	250	391	641	2.02
801	Crossed road masked by stationary or parked vehicle	383	158	541	1.70
302	Disobeyed Give Way or Stop sign or markings	334	184	518	1.63
301	Driver/Rider disobeyed automatic traffic signal	262	234	496	1.56
401	Junction overshoot	241	228	469	1.48
999	Other	309	118	427	1.34
806	Pedestrian impaired by alcohol	289	125	414	1.30
409	Swerved	164	142	306	0.96
509	Distraction in vehicle	103	184	287	0.90
706	Dazzling sun	129	146	275	0.86
707	Rain, sleet, snow, or fog	124	149	273	0.86
404	Failed to signal/misleading signal	108	157	265	0.83
603	Nervous/uncertain/panic	70	187	257	0.81
407	Passing too close to cyclist, horse rider or pedestrian	130	118	248	0.78
510	Distraction outside vehicle	84	154	238	0.75
805	Pedestrian - Dangerous action in carriageway (eg playing)	129	96	225	0.71
108	Road layout (eg bend, hill, narrow carriageway)	82	109	191	0.60
402	Junction restart	94	92	186	0.58
710	Vehicle blind spot	88	96	184	0.58
901	Stolen vehicle	133	31	164	0.52
310	Cyclist entering road from pavement	103	38	141	0.44
703	Road layout (eg bend, winding road, hill crest)	51	87	138	0.43
809	Pedestrian wearing dark clothing at night	63	72	135	0.42
305	Illegal turn or direction of travel	105	27	132	0.42
607	Inexperience with type of vehicle	37	92	129	0.41
804	Pedestrian - Wrong use of pedestrian crossing facility	66	54	120	0.38
505	Driver/Rider - Illness or disability, mental or physical	61	58	119	0.37
104	Inadequate/masked signs or road markings	58	52	110	0.35
102	Deposit on road (eg oil, mud, chippings)	55	50	105	0.33
503	Fatigue	33	57	90	0.28
203	Defective brakes	35	52	87	0.27
903	Emergency vehicle on call	63	19	82	0.26
810	Pedestrian - Disability or illness, mental or physical	47	34	81	0.25
502	Driver/Rider impaired by drugs (illicit or medicinal)	24	55	79	0.25
902	Vehicle in course of crime	56	21	77	0.24
109	Animal or object in carriageway	48	26	74	0.23
	Total (Top 52)	16032	14892	30924	97.3

KSI Accidents

Code	Contributory Factor	April 2005 to December 2006			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	181	176	357	9.68
802	Pedestrian failed to look properly	209	147	356	9.65
602	Driver/Rider - Careless/reckless/in a hurry	104	126	230	6.24
410	Loss of control	133	79	212	5.75
406	Driver/Rider failed to judge other person's path or speed	69	122	191	5.18
403	Poor turn or manoeuvre	98	86	184	4.99
808	Pedestrian - Careless/reckless/in a hurry	94	87	181	4.91
601	Aggressive driving	87	64	151	4.09
306	Exceeding speed limit	67	74	141	3.82
501	Driver/Rider impaired by alcohol	86	49	135	3.66
803	Failed to judge vehicle's path or speed	38	96	134	3.63
801	Crossed road masked by stationary or parked vehicle	79	39	118	3.20
806	Pedestrian impaired by alcohol	71	45	116	3.15
307	Travelling too fast for conditions	44	58	102	2.77
605	Learner or inexperienced driver/rider	40	45	85	2.30
701	Stationary or parked vehicle(s)	52	18	70	1.90
103	Slippery road (due to weather)	31	34	65	1.76
999	Other	42	17	59	1.60
301	Driver/Rider disobeyed automatic traffic signal	23	25	48	1.30
805	Pedestrian - Dangerous action in carriageway (eg playing)	24	20	44	1.19
408	Sudden braking	17	23	40	1.08
302	Disobeyed Give Way or Stop sign or markings	22	15	37	1.00
401	Junction overshoot	15	19	34	0.92
804	Pedestrian - Wrong use of pedestrian crossing facility	20	13	33	0.89
409	Swerved	16	16	32	0.87
809	Pedestrian wearing dark clothing at night	13	18	31	0.84
901	Stolen vehicle	23	6	29	0.79
707	Rain, sleet, snow, or fog	6	21	27	0.73
603	Nervous/uncertain/panic	8	18	26	0.70
407	Passing too close to cyclist, horse rider or pedestrian	13	11	24	0.65
710	Vehicle blind spot	8	16	24	0.65
706	Dazzling sun	7	16	23	0.62
607	Inexperience with type of vehicle	6	15	21	0.57
810	Pedestrian - Disability or illness, mental or physical	8	11	19	0.52
505	Driver/Rider - Illness or disability, mental or physical	7	11	18	0.49
703	Road layout (eg bend, winding road, hill crest)	6	12	18	0.49
310	Cyclist entering road from pavement	13	4	17	0.46
308	Following too close	3	13	16	0.43
404	Failed to signal/misleading signal	5	11	16	0.43
509	Distraction in vehicle	6	10	16	0.43
510	Distraction outside vehicle	3	12	15	0.41
201	Tyres illegal, defective or under inflated	7	5	12	0.33
102	Deposit on road (eg oil, mud, chippings)	2	9	11	0.30
108	Road layout (eg bend, hill, narrow carriageway)	4	7	11	0.30
304	Driver/Rider disobeyed pedestrian crossing facility	3	8	11	0.30
502	Driver/Rider impaired by drugs (illicit or medicinal)	4	7	11	0.30
305	Illegal turn or direction of travel	7	3	10	0.27
503	Fatigue	5	5	10	0.27
101	Poor or defective road surface	1	8	9	0.24
807	Pedestrian impaired by drugs (illicit or medicinal)	4	5	9	0.24
203	Defective brakes	2	6	8	0.22
702	Vegetation	4	4	8	0.22
	Total (Top 52)	1840	1765	3605	97.75

Child KSI Accidents

Code	Contributory Factor	April 2005 to December 2006			
		Confidence Level		Total	%
		Very Likely	Possible		
802	Pedestrian failed to look properly	93	54	147	22.58
808	Pedestrian - Careless/reckless/in a hurry	54	30	84	12.90
801	Crossed road masked by stationary or parked vehicle	52	19	71	10.91
405	Driver/Rider failed to look properly	25	17	42	6.45
803	Failed to judge vehicle's path or speed	10	22	32	4.92
602	Driver/Rider - Careless/reckless/in a hurry	12	13	25	3.84
701	Stationary or parked vehicle(s)	14	7	21	3.23
410	Loss of control	10	10	20	3.07
805	Pedestrian - Dangerous action in carriageway (eg playing)	13	7	20	3.07
403	Poor turn or manoeuvre	10	7	17	2.61
601	Aggressive driving	8	8	16	2.46
605	Learner or inexperienced driver/rider	11	3	14	2.15
310	Cyclist entering road from pavement	9	2	11	1.69
406	Driver/Rider failed to judge other person's path or speed	4	7	11	1.69
804	Pedestrian - Wrong use of pedestrian crossing facility	7	3	10	1.54
999	Other	6	4	10	1.54
301	Driver/Rider disobeyed automatic traffic signal	3	5	8	1.23
307	Travelling too fast for conditions	1	6	7	1.08
809	Pedestrian wearing dark clothing at night	3	4	7	1.08
401	Junction overshoot	3	3	6	0.92
103	Slippery road (due to weather)	4	1	5	0.77
302	Disobeyed Give Way or Stop sign or markings	3	2	5	0.77
306	Exceeding speed limit	2	3	5	0.77
501	Driver/Rider impaired by alcohol	2	3	5	0.77
304	Driver/Rider disobeyed pedestrian crossing facility	0	4	4	0.61
407	Passing too close to cyclist, horse rider or pedestrian	2	2	4	0.61
603	Nervous/uncertain/panic	2	2	4	0.61
702	Vegetation	3	1	4	0.61
806	Pedestrian impaired by alcohol	2	2	4	0.61
607	Inexperience with type of vehicle	2	1	3	0.46
707	Rain, sleet, snow, or fog	2	1	3	0.46
710	Vehicle blind spot	3	0	3	0.46
901	Stolen vehicle	3	0	3	0.46
408	Sudden braking	0	2	2	0.31
506	Not displaying lights at night or in poor visibility	1	1	2	0.31
101	Poor or defective road surface	0	1	1	0.15
102	Deposit on road (eg oil, mud, chippings)	0	1	1	0.15
104	Inadequate/masked signs or road markings	1	0	1	0.15
108	Road layout (eg bend, hill, narrow carriageway)	0	1	1	0.15
204	Defective steering or suspension	0	1	1	0.15
206	Overloaded or poorly loaded vehicle or trailer	1	0	1	0.15
305	Illegal turn or direction of travel	1	0	1	0.15
404	Failed to signal/misleading signal	0	1	1	0.15
409	Swerved	1	0	1	0.15
502	Driver/Rider impaired by drugs (illicit or medicinal)	0	1	1	0.15
505	Driver/Rider - Illness or disability, mental or physical	1	0	1	0.15
509	Distraction in vehicle	0	1	1	0.15
606	Inexperience of driving on the left	0	1	1	0.15
703	Road layout (eg bend, winding road, hill crest)	0	1	1	0.15
706	Dazzling sun	0	1	1	0.15
709	Visor or windscreen dirty or scratched	1	0	1	0.15
	All	385	266	651	100.00

Pedal Cycle Accidents

Code	Contributory Factor	April 2005 to December 2006			
		Confidence Level		Total	%
		Very Likely	Possible		
405	Driver/Rider failed to look properly	394	283	677	25.74
406	Driver/Rider failed to judge other person's path or speed	88	139	227	8.63
602	Driver/Rider - Careless/reckless/in a hurry	92	104	196	7.45
403	Poor turn or manoeuvre	99	85	184	7.00
310	Cyclist entering road from pavement	96	37	133	5.06
407	Passing too close to cyclist, horse rider or pedestrian	69	51	120	4.56
701	Stationary or parked vehicle(s)	47	32	79	3.00
401	Junction overshoot	43	28	71	2.70
802	Pedestrian failed to look properly	42	22	64	2.43
605	Learner or inexperienced driver/rider	23	28	51	1.94
302	Disobeyed Give Way or Stop sign or markings	30	19	49	1.86
410	Loss of control	23	26	49	1.86
507	Cyclist wearing dark clothing at night	21	21	42	1.60
601	Aggressive driving	20	17	37	1.41
999	Other	25	10	35	1.33
706	Dazzling sun	21	12	33	1.25
404	Failed to signal/misleading signal	16	14	30	1.14
409	Swerved	16	14	30	1.14
506	Not displaying lights at night or in poor visibility	18	12	30	1.14
904	Vehicle door opened or closed negligently	22	8	30	1.14
707	Rain, sleet, snow, or fog	10	16	26	0.99
710	Vehicle blind spot	10	15	25	0.95
203	Defective brakes	16	8	24	0.91
501	Driver/Rider impaired by alcohol	14	9	23	0.87
103	Slippery road (due to weather)	7	15	22	0.84
301	Driver/Rider disobeyed automatic traffic signal	9	12	21	0.80
307	Travelling too fast for conditions	7	13	20	0.76
603	Nervous/uncertain/panic	6	14	20	0.76
309	Vehicle travelling along pavement	14	5	19	0.72
803	Failed to judge vehicle's path or speed	7	12	19	0.72
402	Junction restart	10	8	18	0.68
305	Illegal turn or direction of travel	13	4	17	0.65
808	Pedestrian - Careless/reckless/in a hurry	11	4	15	0.57
304	Driver/Rider disobeyed pedestrian crossing facility	8	6	14	0.53
408	Sudden braking	6	7	13	0.49
509	Distraction in vehicle	1	11	12	0.46
510	Distraction outside vehicle	3	8	11	0.42
703	Road layout (eg bend, winding road, hill crest)	3	8	11	0.42
801	Crossed road masked by stationary or parked vehicle	7	4	11	0.42
202	Defective lights or indicators	7	3	10	0.38
306	Exceeding speed limit	5	5	10	0.38
702	Vegetation	7	2	9	0.34
108	Road layout (eg bend, hill, narrow carriageway)	4	4	8	0.30
308	Following too close	5	3	8	0.30
704	Buildings, road signs, street furniture	6	2	8	0.30
101	Poor or defective road surface	3	4	7	0.27
805	Pedestrian - Dangerous action in carriageway (eg playing)	3	3	6	0.23
502	Driver/Rider impaired by drugs (illicit or medicinal)	0	5	5	0.19
607	Inexperience with type of vehicle	2	3	5	0.19
902	Vehicle in course of crime	3	2	5	0.19
503	Fatigue	2	2	4	0.15
901	Stolen vehicle	3	1	4	0.15
	Total (Top 52)	1417	1180	2597	98.75

Pedestrian Accidents

Code	Contributory Factor	April 2005 to December 2006			
		Confidence Level		Total	%
		Very Likely	Possible		
802	Pedestrian failed to look properly	1150	593	1743	25.19
808	Pedestrian - Careless/reckless/in a hurry	462	331	793	11.46
803	Failed to judge vehicle's path or speed	213	320	533	7.70
801	Crossed road masked by stationary or parked vehicle	370	152	522	7.54
405	Driver/Rider failed to look properly	169	285	454	6.56
806	Pedestrian impaired by alcohol	275	117	392	5.66
602	Driver/Rider - Careless/reckless/in a hurry	93	139	232	3.35
805	Pedestrian - Dangerous action in carriageway (eg playing)	123	91	214	3.09
701	Stationary or parked vehicle(s)	84	77	161	2.33
809	Pedestrian wearing dark clothing at night	61	70	131	1.89
406	Driver/Rider failed to judge other person's path or speed	39	89	128	1.85
601	Aggressive driving	64	54	118	1.71
403	Poor turn or manoeuvre	56	60	116	1.68
804	Pedestrian - Wrong use of pedestrian crossing facility	65	51	116	1.68
999	Other	87	29	116	1.68
407	Passing too close to cyclist, horse rider or pedestrian	49	56	105	1.52
501	Driver/Rider impaired by alcohol	49	25	74	1.07
810	Pedestrian - Disability or illness, mental or physical	44	28	72	1.04
103	Slippery road (due to weather)	26	42	68	0.98
410	Loss of control	38	24	62	0.90
306	Exceeding speed limit	15	39	54	0.78
307	Travelling too fast for conditions	21	31	52	0.75
707	Rain, sleet, snow, or fog	17	30	47	0.68
710	Vehicle blind spot	20	26	46	0.66
304	Driver/Rider disobeyed pedestrian crossing facility	23	19	42	0.61
807	Pedestrian impaired by drugs (illicit or medicinal)	16	24	40	0.58
706	Dazzling sun	16	19	35	0.51
605	Learner or inexperienced driver/rider	14	20	34	0.49
510	Distraction outside vehicle	12	21	33	0.48
301	Driver/Rider disobeyed automatic traffic signal	17	14	31	0.45
603	Nervous/uncertain/panic	6	25	31	0.45
509	Distraction in vehicle	6	24	30	0.43
409	Swerved	8	16	24	0.35
309	Vehicle travelling along pavement	18	3	21	0.30
408	Sudden braking	8	10	18	0.26
302	Disobeyed Give Way or Stop sign or markings	6	9	15	0.22
901	Stolen vehicle	11	3	14	0.20
902	Vehicle in course of crime	10	4	14	0.20
108	Road layout (eg bend, hill, narrow carriageway)	2	11	13	0.19
305	Illegal turn or direction of travel	9	3	12	0.17
401	Junction overshoot	3	9	12	0.17
703	Road layout (eg bend, winding road, hill crest)	3	9	12	0.17
607	Inexperience with type of vehicle	3	7	10	0.14
508	Driver using mobile phone	5	3	8	0.12
704	Buildings, road signs, street furniture	2	6	8	0.12
107	Temporary road layout (eg contraflow)	1	6	7	0.10
109	Animal or object in carriageway	6	1	7	0.10
404	Failed to signal/misleading signal	3	4	7	0.10
504	Uncorrected, defective eyesight	2	5	7	0.10
505	Driver/Rider - Illness or disability, mental or physical	4	3	7	0.10
702	Vegetation	4	3	7	0.10
104	Inadequate/masked signs or road markings	1	5	6	0.09
203	Defective brakes	1	5	6	0.09
705	Dazzling headlights	3	3	6	0.09
	Total (Top 54)	3813	3053	6866	99.22