

Injury attendances to Wythenshawe Hospital Emergency Department

April 2010 to March 2011

This report summarises recorded injury attendances to Wythenshawe Hospital Emergency Department (ED) between April 2010 and March 2011.

Between April 2010 and March 2011 there were 13,000 injury attendances to Wythenshawe Hospital ED. Males accounted for over half (54%) of all attendances. The month with the highest attendances was June (n=1,430) with May having the lowest attendances (n=814) (**Figure 1**). Falls (58%) accounted for the highest proportion of injuries, followed by sports injury (15%), road traffic collision (RTC) (14%), assault (8%) and burns/scalds (4%) (**Table 1**).

For all injuries the highest proportion of attendances was for persons aged 20-34 (24%) and 5-19 (22%) years (**Figure 2**). Over three in ten (31%) of fall attendees were aged 65 or over. Nearly four in ten (39%) of sports injury attendees were aged 5-19 years. Nearly four in ten (38%) of RTC attendees were aged 20-34 years (**Figure 3**).

Table 2 shows the ethnicity of injury attendees to Wythenshawe Hospital ED. The large majority (85%) were white.

The disposal of a patient can give an indication of the severity of the injuries sustained. A half (50%) of attendees were discharged, 20% were referred and 17% were admitted to hospital (**Table 3**). Over two-

thirds (68%) of RTC attendees were discharged. Nearly four in ten (39%) of burns & scald attendees were referred for follow-up treatment. Over a third (34%) of deliberate self-harm (DSH) attendees were admitted. (**Table 4**).

Table 5 shows the arrival methods of attendances at Wythenshawe Hospital ED. Over a quarter (27%) arrived by ambulance.

Table 6 shows the incident location of injury attendances. Nearly three in ten (29%) occurred in the home (14%).

Table 7 presents data for assault attendances to Wythenshawe Hospital ED. Over seven in ten (71%) were male, nearly two-fifths (39%) were aged 20-34 years. A quarter (26%) occurred on weekend nights and over a third (66%) arrived by ambulance.

Figure 4 (a-d) shows crude rates of attendance at Wythenshawe Hospital ED by attendee's area of residence, in this case Middle Super Output Area (MSOA). The MSOAs with the highest crude rates are indicated beneath each figure.¹

¹ Population figures are drawn from mid-2008 population estimates from the Office for National Statistics.

Figure 1: Wythenshawe Hospital ED: Total injury attendances by gender and month, April 2010 to March 2011

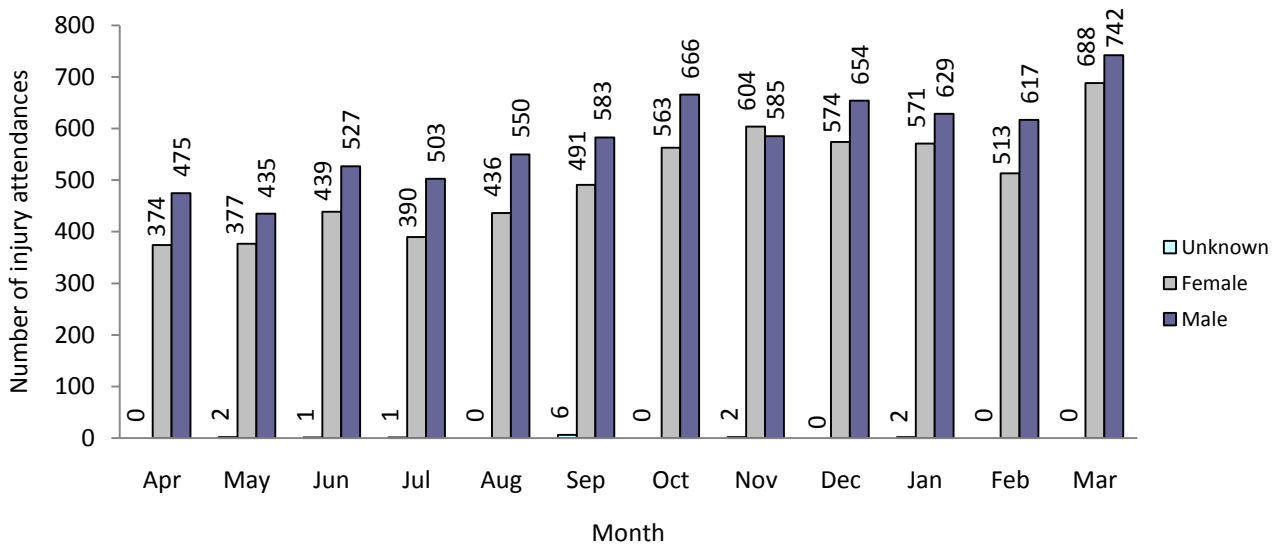
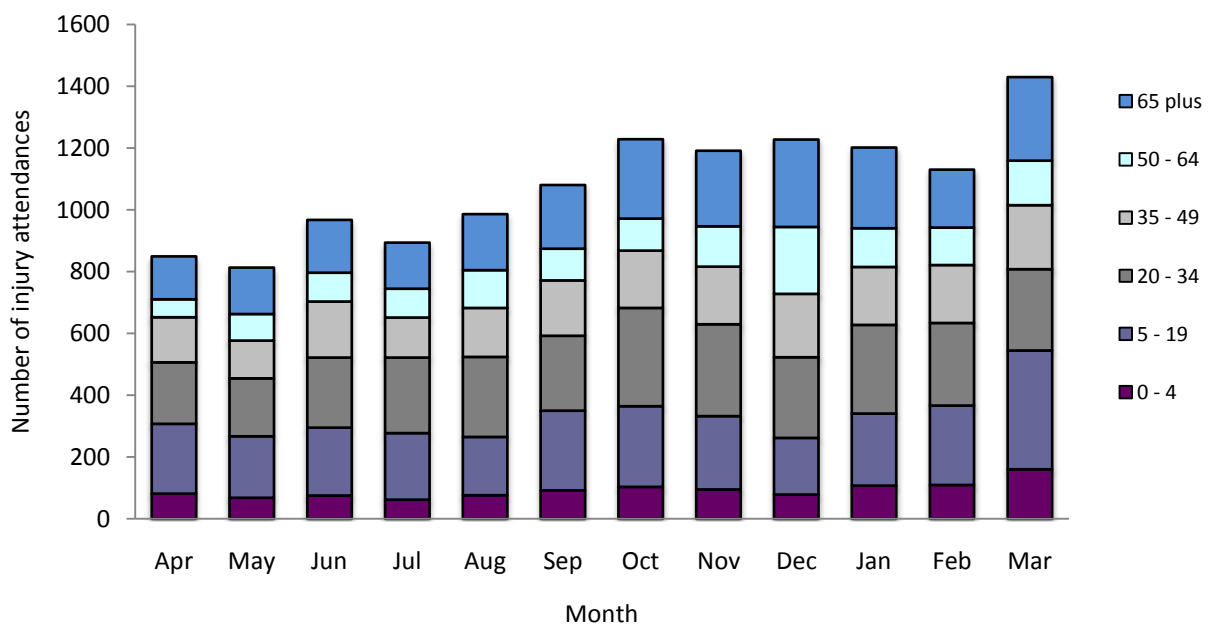


Table 1: Wythenshawe Hospital ED: Total injury attendances by injury group and month, April 2010 to March 2011²

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	444	376	477	423	514	621	691	708	869	766	674	941	7504	58
Sports injury	138	218	213	211	154	168	160	120	60	124	148	176	1890	15
RTC	150	130	174	154	149	143	181	203	168	126	134	152	1864	14
Assault	69	47	55	62	92	85	127	97	79	121	121	96	1051	8
Burn/Scald	38	41	36	32	60	52	67	55	47	53	44	48	573	4
DSH	***	***	***	***	***	***	***	***	***	***	***	***	110	1
Electrical accident	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Total	849	814	967	894	986	1080	1229	1191	1228	1202	1130	1430	13000	100

Figure 2: Wythenshawe Hospital ED: Total injury attendances by age group and month, April 2010 to March 2011



² Please note that all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number <5 in a category then two numbers will be suppressed at the next level.

Figure 3: Wythenshawe Hospital ED: Total injury attendances by age group and injury group, April 2010 to March 2011

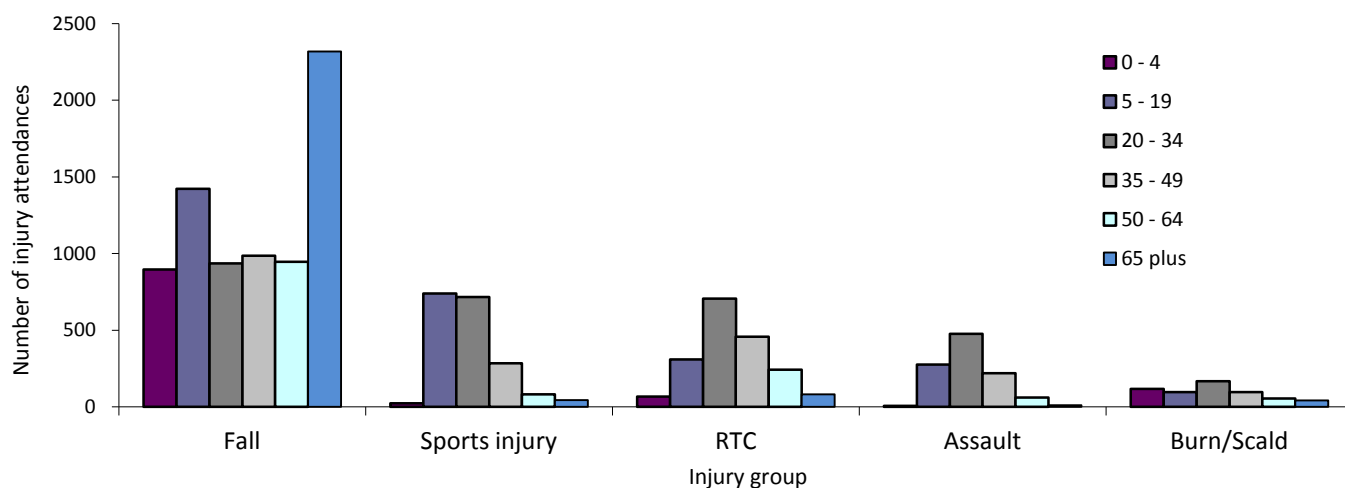


Table 2: Wythenshawe Hospital ED: Total injury attendances by ethnicity and month, April 2010 to March 2011³

Ethnicity	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
White	739	727	841	744	844	912	1012	985	1031	1036	977	1227	11075	85
Not known	70	39	80	80	71	110	131	129	130	82	58	109	1089	8
Pakistani	10	19	9	16	18	16	24	21	10	14	23	26	206	2
Mixed	6	8	5	16	6	10	23	14	12	22	28	19	169	1
Indian	7	8	***	7	19	***	14	10	6	15	12	11	117	1
Any other ethnic group	***	***	12	11	8	5	10	18	12	11	12	10	114	1
Black	9	***	7	13	10	16	9	***	10	10	10	14	113	1
Other Asian b/ground	5	***	5	***	5	5	***	7	12	9	7	8	74	1
Chinese	***	***	***	***	5	***	***	***	***	***	***	***	35	0
Bangladeshi	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Total	849	814	967	894	986	1080	1229	1191	1228	1202	1130	1430	13000	100

Table 3: Wythenshawe Hospital ED: Total injury attendances by method of disposal and month, April 2010 to March 2011⁴

Disposal	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged	560	482	594	568	530	510	546	556	589	472	455	622	6484	50
Referral/follow-up	138	152	175	136	185	227	266	223	251	276	267	336	2632	20
Admitted	113	127	149	143	175	193	214	196	229	244	191	219	2193	17
Other	38	53	49	47	96	150	203	216	159	210	217	253	1691	13
Total	849	814	967	894	986	1080	1229	1191	1228	1202	1130	1430	13000	100

Table 4: Wythenshawe Hospital ED: Total injury attendances by method of disposal and injury group, April 2010 to March 2011

Disposal	Assault		Burn/Scald		DSH		Electrical accident		Fall		RTC		Sports injury		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	531	51	245	43	43	39	***	***	3336	44	1269	68	1056	56	6484	50
Referral/follow-up	185	18	222	39	22	20	***	***	1566	21	147	8	489	26	2632	20
Admitted	148	14	51	9	37	34	***	***	1744	23	104	6	108	6	2193	17
Other	187	18	55	10	8	7	***	***	858	11	344	18	237	13	1691	13
Total	1051	100	573	100	110	100	8	100	7504	100	1864	100	1890	100	13000	100

³ White=Irish, British, other white background; Mixed=white and black, white and Asian, mixed any other; Other=any other ethnic group, any other Asian background; Black=African, Caribbean, other black.

⁴ Admitted=admitted to ED bed/became a lodged patient of the same health care provider; Discharged=discharged - did not require any follow up treatment; Referral/follow up=discharged - follow up treatment to be provided by GP, referred to ED clinic, referred to fracture clinic, referred to other out-patient clinic, transferred to other health care provider, referred to other health care professional; Other=died in department, left department before being treated, left department having refused treatment, other.

Table 5: Wythenshawe Hospital ED: Total injury attendances by mode of arrival and month, April 2010 to March 2011

Mode	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Other	630	621	717	672	695	770	870	864	873	872	850	1083	9517	73
Ambulance	219	193	250	222	291	310	359	327	355	330	280	347	3483	27
Total	849	814	967	894	986	1080	1229	1191	1228	1202	1130	1430	13000	100

Table 6: Wythenshawe Hospital ED: Total injury attendances by injury location and month, April 2010 to March 2011

Location	Assault		Burn/Scald		DSH		Fall		RTC		Sports injury		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Own home	255	24	273	48	41	37	3213	43	0	0	0	0	3783	29
Not recorded	374	36	212	37	58	53	2243	30	0	0	0	0	2890	22
Sport	21	2	5	1	***	***	285	4	0	0	1890	100	2201	17
RTC	***	***	***	***	***	***	41	1	1864	100	0	0	1910	15
Public place	240	23	19	3	***	***	884	12	0	0	0	0	1148	9
Educational establishment	26	2	***	***	***	***	320	4	0	0	0	0	348	3
Street	66	6	***	***	***	***	265	4	0	0	0	0	335	3
Work	20	2	53	9	***	***	156	2	0	0	0	0	232	2
Another's home	26	2	7	1	***	***	79	1	0	0	0	0	115	1
Bar/Pub	16	2	***	***	***	***	***	***	0	0	0	0	32	0
Club	***	***	***	***	***	***	***	***	0	0	0	0	6	0
Total	1051	100	573	100	110	100	7504	100	1864	100	1890	100	13000	100

*Due to low numbers electrical accident is not included (n=8) but is included in the totals.

Table 7: Wythenshawe Hospital ED: Total injury attendances by injury location and month, April 2010 to March 2011

Injury type	Assault attendees		All injuries % (n=13,000)
Gender	n	%	%
Female	119	29	49
Male	297	71	51
Mode	n	%	%
Ambulance	141	34	27
Other	275	66	73
Age group	n	%	%
0 - 4	***	1	9
5 - 19	109	26	22
20 - 34	161	39	24
35 - 49	97	23	16
50 - 64	37	9	11
65 plus	***	2	19
Day & time	n	%	%
Weekend nights*	119	25	10
Weekend days	19	23	22
Weekdays	207	51	68


*8pm to 4am Friday night/Saturday morning, Saturday night/Sunday morning, Sunday night/Monday morning


For further information please contact: Centre for Public Health, Research Directorate, Liverpool John Moores University, 2nd Floor, Henry Cotton Building, 15-21 Webster Street, Liverpool, L3 2ET, Tel: 0151 231 4513 or Email: i.j.warren@ljmu.ac.uk

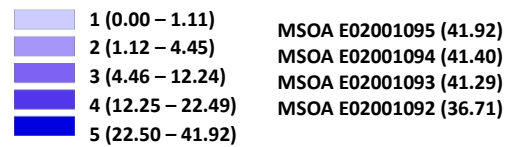
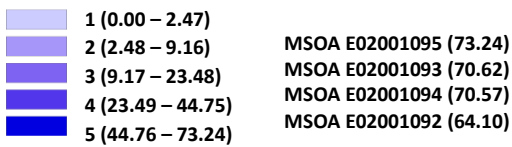
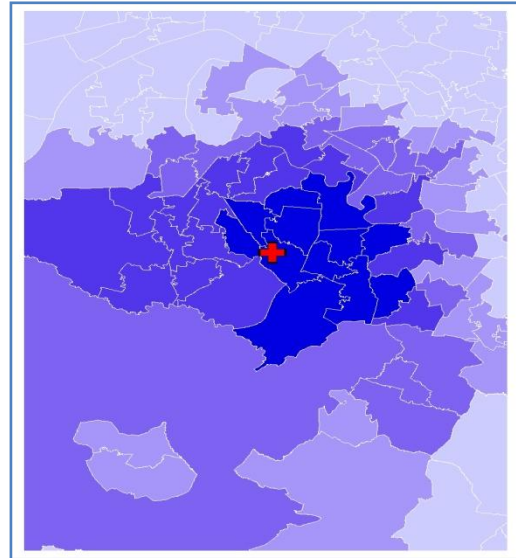
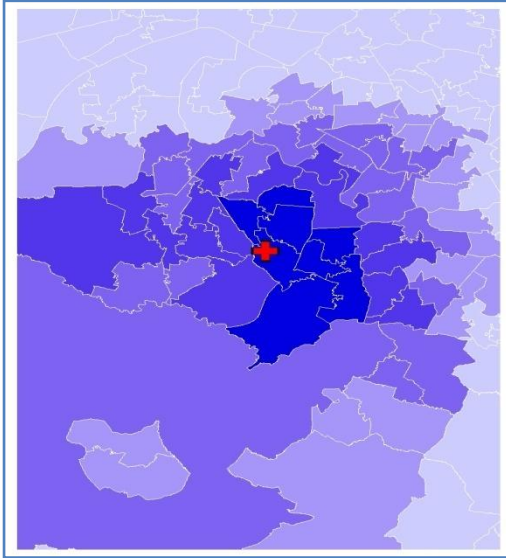
Website: www.tiig.info (data requests should be made through the website)

Figure 4a,b,c,d: Middle Super Output Area of residence for injury attendances to Wythenshawe Hospital ED. Quintiles of crude rates per 1,000 population, April 2010 to March 2011

a) All injury attendances: quintiles of crude rates per 1,000 population b) Fall: quintiles of crude rates per 1,000 population


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c) Sports injury: quintiles of crude rates per 1,000 population

d) RTC: quintiles of crude rates per 1,000 population

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