

Trauma and Injury Intelligence Group Biannual Bulletin

Wythenshawe Hospital Emergency Department
April 2014 to March 2015

July 2015



Centre for Public Health,
Faculty of Education, Health and Community,
Liverpool John Moores University,
Henry Cotton Campus,
15-21 Webster Street,
Liverpool, L3 2ET

cph.org.uk

0151 231 4500

tiig@ljmu.ac.uk

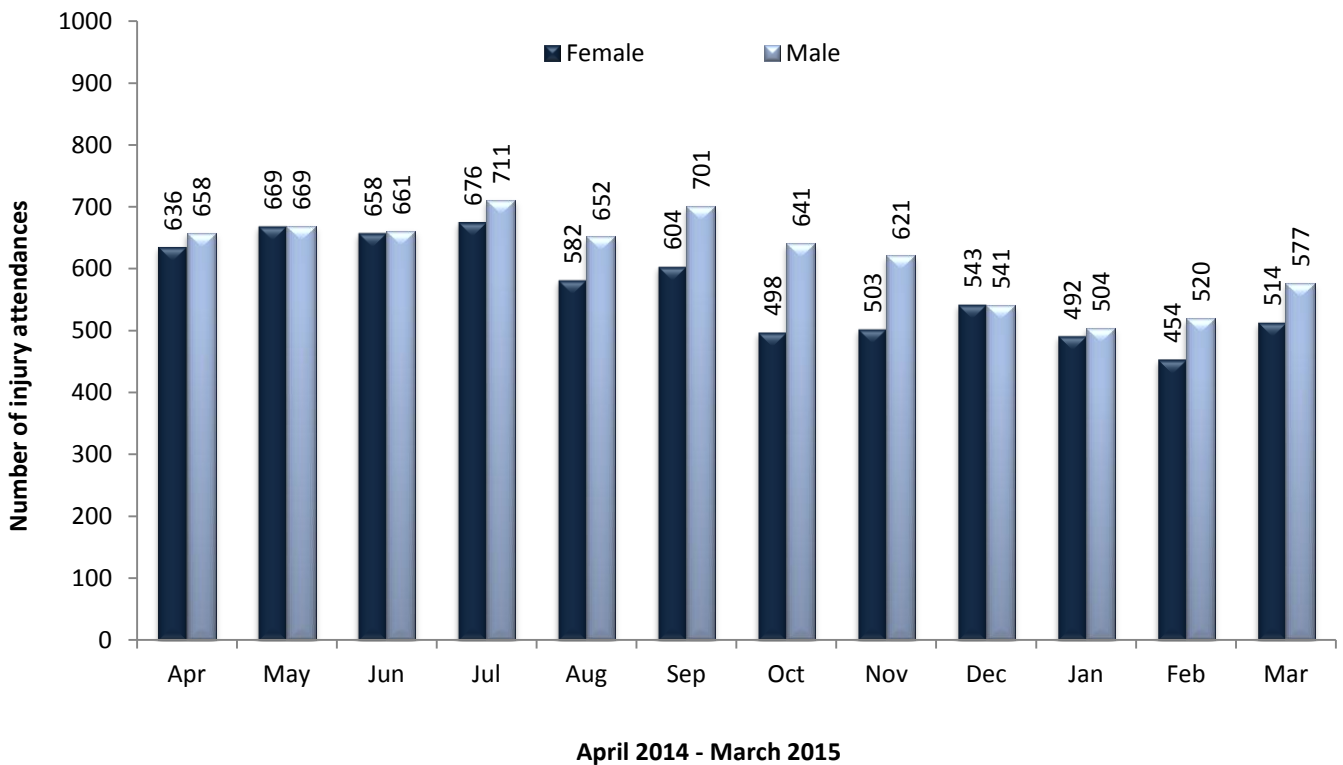
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ALL INJURY ATTENDANCES

This bulletin provides a breakdown of all injury attendances to Wythenshawe Hospital Emergency Department (ED) between April 2014 and March 2015. During this twelve month period there were 14,287 injury attendances to the ED; Males accounted for over half (52%) of all attendances. The month with the highest number of attendances, calculated as a daily average, was July 2014 (45 per day), while January 2015 had the fewest attendances (32 per day; figure 1).

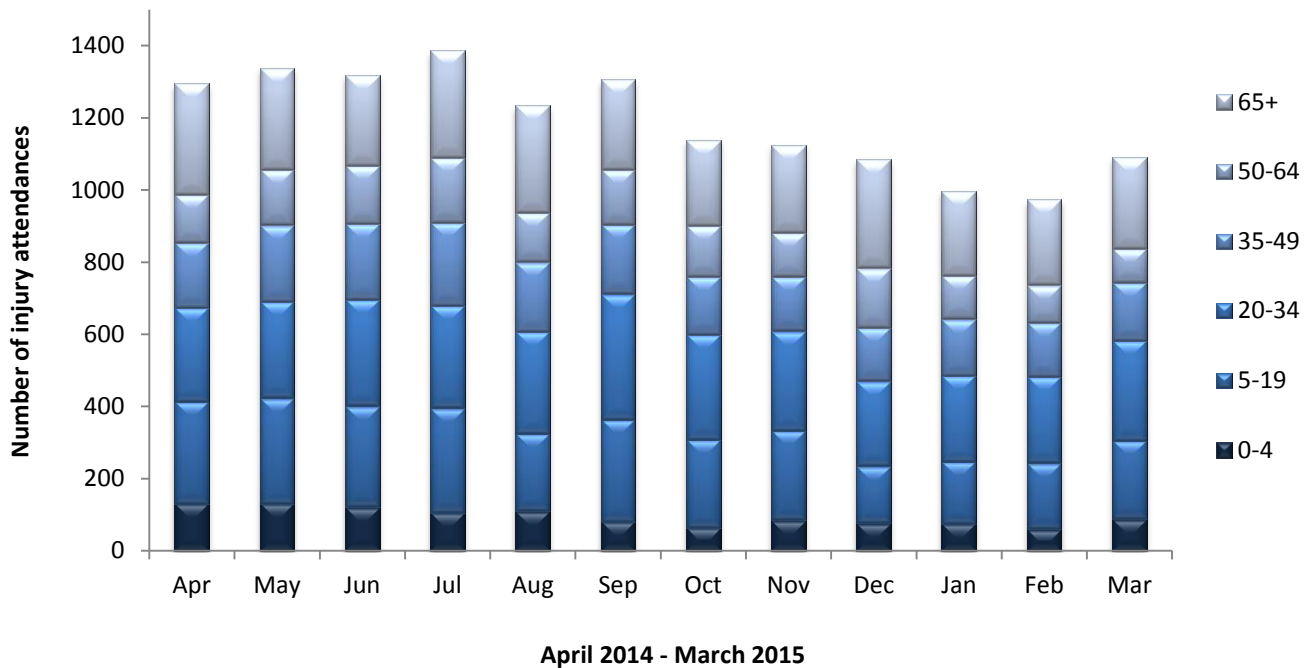
Figure 1: ED injury attendances by gender and month, April 2014 to March 2015⁺



⁺ There were less than five records where the gender was unknown; these have been omitted from the chart.

The highest proportion of attendances was for those aged between 20 and 34 years (23%), while those aged between 5 and 19 years accounted for 20% (figure 2).

Figure 2: ED injury attendances by age group and month, April 2014 to March 2015



Falls accounted for the highest proportion of injuries (51%), followed by sports injury (15%), road traffic collisions (RTCs; 14%) and bites and stings (7%; table 1).

Table 1: ED injury attendances by injury group and month, April 2014 to March 2015^{1,2}

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	718	738	713	686	641	614	498	548	607	518	459	510	7250	51
Sports injury	184	181	148	168	161	237	220	212	101	145	185	215	2157	15
RTC	145	193	189	181	152	161	198	150	154	148	111	154	1936	14
Bites and Stings	76	<75	121	171	104	98	<70	52	49	<35	39	50	933	7
Burns & Scalds	<70	73	54	<75	52	62	62	53	57	50	52	64	719	5
DSH	43	20	<50	55	74	<90	29	<75	78	59	94	58	718	5
Assault	61	60	45	50	<50	43	61	35	38	44	<35	40	558	4
Other	***	***	***	***	***	***	***	***	0	***	***	0	16	0
Total	1295	1338	1319	1387	1234	1305	1139	1124	1084	997	974	1091	14287	100

Close to four in ten (39%) fall attendees were aged 65 years or over. Just under four in ten sports injury attendees were aged between 5 and 19 years (39%), while four in ten (40%) were aged between 20 and 34 years. Close to four in ten (37%) RTC attendees were aged between 20 and 34 years (figure 3).

¹ Please note that for all tables, all numbers less than five have been suppressed (***) in line with patient confidentiality. If there is only one number less than five in a category then two numbers will be suppressed to prevent back calculation from totals.

² Due to low numbers 'Other' includes drowning/immersion (n=<5), and electrical accident (n=15) attendance records.

Figure 3: ED injury attendances by age group and injury group (excluding other injury), April 2014 to March 2015²

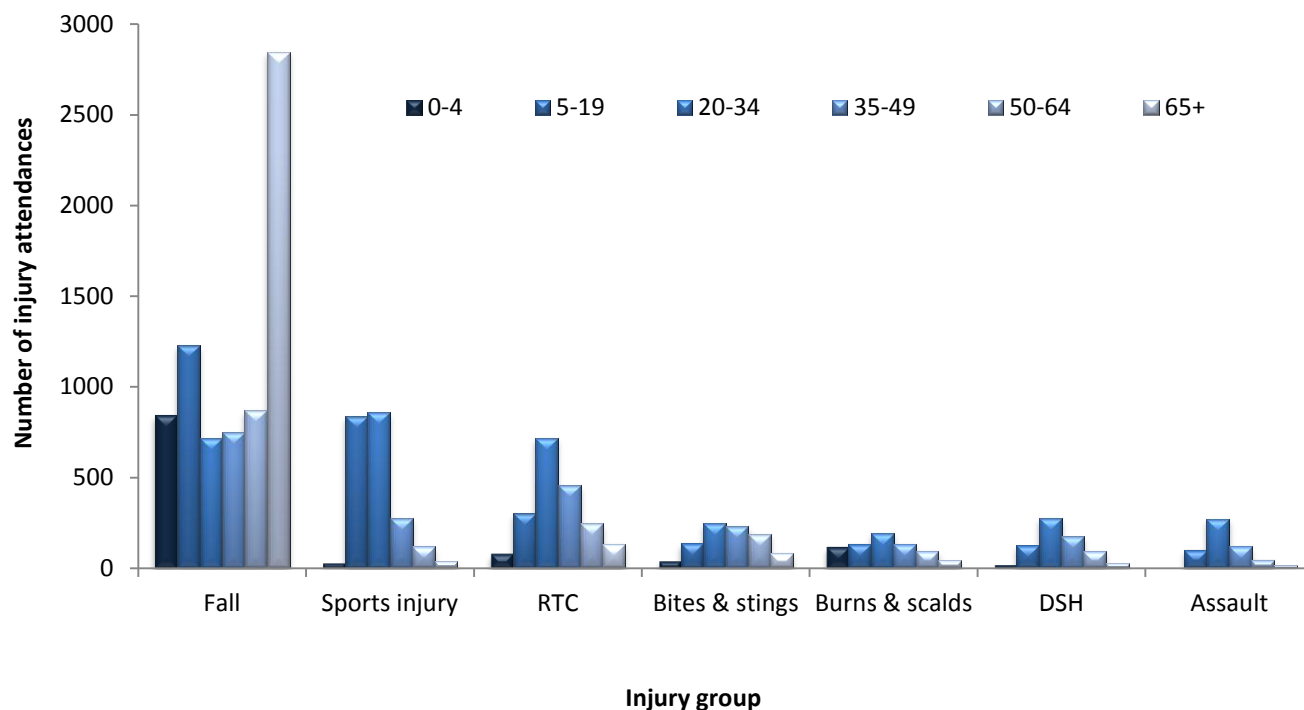


Table 2 shows the ethnicity of injury attendees to Wythenshawe Hospital ED; the majority (89%) were White.

Table 2: ED injury attendances by ethnicity and month, April 2014 to March 2015^{1,3}

Ethnicity	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
White	1152	1157	1174	1226	1112	1187	998	1003	967	870	877	955	12678	89
Pakistani	21	42	27	24	21	26	37	21	26	36	18	26	325	2
Mixed	31	32	24	24	26	24	32	23	20	14	27	17	294	2
Not known	22	31	20	37	29	16	19	23	14	22	16	33	282	2
Any other ethnic group	25	22	21	<20	<20	17	14	17	16	<15	12	11	204	1
Black	15	21	23	24	7	6	14	14	13	14	9	19	179	1
Indian	<10	10	16	11	6	16	11	8	12	11	***	8	122	1
Asian other	10	11	9	10	5	***	8	8	6	10	9	<10	99	1
Not stated	7	6	***	8	***	6	***	***	5	5	***	***	56	0
Chinese	***	6	***	***	6	***	***	***	5	***	***	9	48	0
Total	1295	1338	1319	1387	1234	1305	1139	1124	1084	997	974	1091	14287	100

The disposal of a patient can give an indication of the severity of the injuries sustained. Over six in ten (61%) attendees were discharged, 18% were admitted to hospital and 18% were referred for further treatment (table 3).

³ White = Irish, British, other White background; Mixed = White and Black, White and Asian, mixed - any other; Black = African, Caribbean, other Black.

Table 3: ED injury attendances by disposal method and month, April 2014 to March 2015^{2,4}

Disposal method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged	800	860	823	873	758	774	725	666	655	593	604	650	8781	61
Admitted	248	214	226	233	218	257	212	217	224	193	187	195	2624	18
Referral/follow-up	220	230	231	235	207	251	181	209	182	182	164	220	2512	18
Other	27	34	39	46	51	23	21	32	23	29	19	26	370	3
Total	1295	1338	1319	1387	1234	1305	1139	1124	1084	997	974	1091	14287	100

Over four-fifths (81%) of RTC attendees were discharged; one third (33%) of deliberate self-harm (DSH) attendees were admitted to hospital; and over three in ten (31%) of burns and scald attendees were referred for follow-up treatment (table 4).

Table 4: ED injury attendances by disposal method and injury group (excluding other injury), April 2014 to March 2015^{2,4}

Disposal method	Fall		Sports injury		RTC		Bites & stings		Burns & scalds		DSH		Assault		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	4056	56	1411	65	1567	81	660	71	401	56	329	46	344	62	8768	61
Admitted	1792	25	108	5	184	10	155	17	68	9	240	33	100	18	2647	19
Referral/follow-up	1279	18	571	26	123	6	103	11	223	31	104	14	83	15	2486	17
Other	123	2	67	3	62	3	15	2	27	4	45	6	31	6	370	3
Total	7250	100	2157	100	1936	100	933	100	719	100	718	100	558	100	14271	100

Table 5 shows the arrival method of attendances to Wythenshawe Hospital ED; three in ten (30%) attendees arrived by ambulance.

Table 5: ED injury attendances by mode of arrival and month, April 2014 to March 2015

Arrival mode	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Not Known	880	1004	975	1003	822	937	769	806	720	668	680	785	10049	70
Ambulance	415	334	344	384	412	368	370	318	364	329	294	306	4238	30
Total	1295	1338	1319	1387	1234	1305	1139	1124	1084	997	974	1091	14287	100

Table 6 shows the incident location of injury attendances; four in ten (40%) occurred in the home, while 17% occurred at a sports venue.

Table 6: ED injury attendances by incident location and injury group (excluding other injury), April 2014 to March 2015^{1,2}

Incident location	Fall		Sports injury		RTC		Bites & stings		Burns & scalds		DSH		Assault		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Home	4186	58	0	0	0	0	493	53	401	56	409	57	192	34	5681	40
Sport	241	3	2157	100	0	0	<20	2	6	1	***	0	11	2	2432	17
Not recorded	1317	18	0	0	0	0	238	26	159	22	239	33	132	24	2085	15
RTC	46	1	0	0	1936	100	0	0	***	0	***	0	***	0	1988	14
Public place	640	9	0	0	0	0	84	9	27	4	38	5	110	20	899	6
Street	221	3	0	0	0	0	26	3	***	0	***	1	46	8	299	2
School/college	302	4	0	0	0	0	***	0	<10	1	9	1	14	3	335	2
Work	166	2	0	0	0	0	53	6	96	13	0	0	33	6	348	2
Another's home	117	2	0	0	0	0	20	2	18	3	15	2	15	3	185	1
Bar/Pub	<15	0	0	0	0	0	0	0	0	0	***	0	***	1	18	0
Club	***	0	0	0	0	0	0	0	0	0	0	0	0	0	<5	0
Total	7250	100	2157	100	1936	100	933	100	719	100	718	100	558	100	14271	100

ASSAULT ATTENDANCES

Between April 2014 and March 2015 there were 558 assault-related injury attendances to Wythenshawe Hospital ED. Close to seven in ten (67%) were male and 49% were aged between 20 and 34 years. Almost a third (30%) arrived at the ED by ambulance (table 7).

Table 7: ED assault attendances by gender, arrival mode and age group, April 2014 to March 2015¹

	Assaults (n=558)		All injuries (n=14,287)
	n	%	%
Gender			
Female	185	33	48
Male	373	67	52
Arrival mode			
Ambulance	167	30	30
Not known	391	70	70
Age group			
0-4	***	0	8
5-19	101	18	20
20-34	273	49	23
35-49	121	22	15
50-64	47	8	12
65+	<20	3	22