

Trauma and Injury Intelligence Group Biannual Bulletin

Wythenshawe Hospital Emergency Department
October 2014 to September 2015

December 2015



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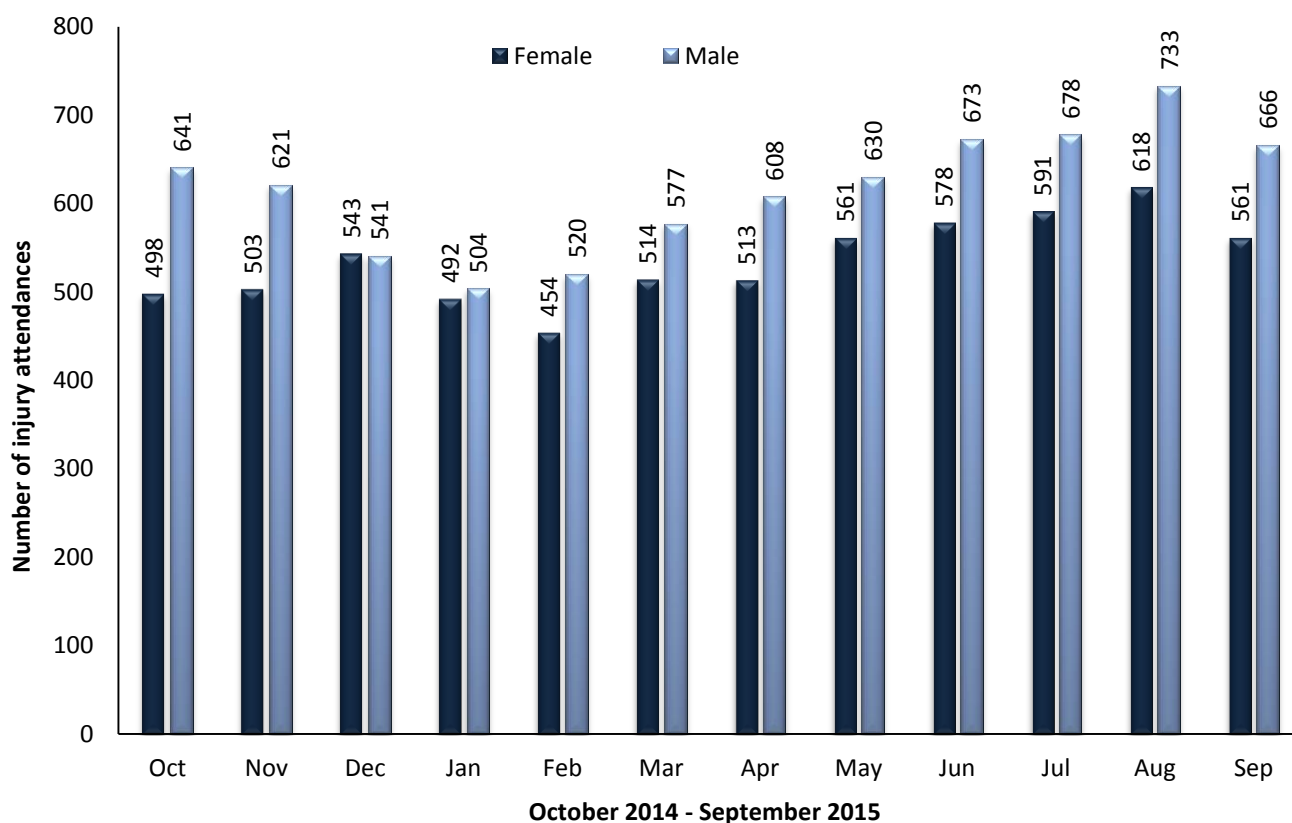
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ALL INJURY ATTENDANCES

This bulletin provides a breakdown of all injury attendances to Wythenshawe Hospital Emergency Department (ED) between October 2014 and September 2015. During this twelve month period there were 13,820 injury attendances to the ED; males accounted for over half (53%) of all attendances. The month with the highest number of attendances, calculated as a daily average, was August 2015 (44 per day), while January 2015 had the fewest attendances (32 per day; figure 1).

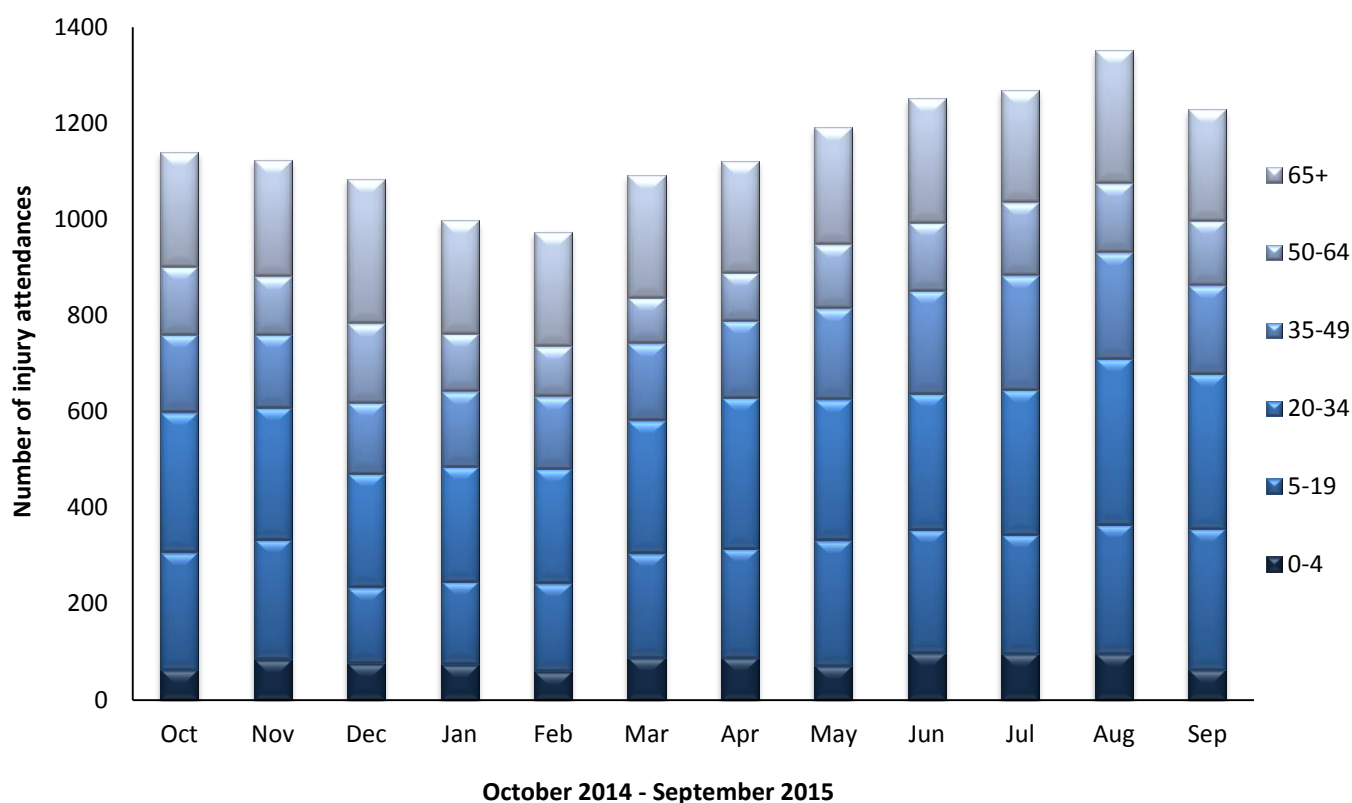
Figure 1: ED injury attendances by gender and month, October 2014 to September 2015⁺



⁺ 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 (25%), while those aged 65 years and over accounted for 22% (figure 2).

Figure 2: ED injury attendances by age group and month, October 2014 to September 2015



Falls accounted for the highest proportion of injuries (47%), followed by sports injury (17%), road traffic collisions (RTCs; 14%). Deliberate self-harm (DSH), bites and stings and assaults each accounted for 6% (table 1).

Table 1: ED injury attendances by injury group and month, October 2014 to September 2015¹

Injury group	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Fall	498	548	607	518	459	510	547	565	550	526	600	504	6432	47
Sports injury	220	212	101	145	185	215	190	180	202	167	204	261	2282	17
RTC	198	150	154	148	111	154	132	162	178	168	146	181	1882	14
DSH	29	73	78	59	94	58	73	60	64	111	<95	<60	848	6
Bites and Stings	69	52	49	32	39	50	<60	<75	102	115	137	70	844	6
Assault	61	35	38	<45	<35	40	56	91	80	114	92	84	767	6
Burns & Scalds	<65	<55	57	50	52	64	65	60	<75	<70	78	70	750	5
Electrical accident	***	***	0	***	***	0	***	***	***	***	***	***	15	0
Total	1139	1124	1084	997	974	1091	1121	1191	1251	1269	1351	1228	13820	100

Over four in ten (41%) of 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 (39%) 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.

Figure 3: ED injury attendances by age group and injury group (excluding electrical accident), October 2014 to September 2015

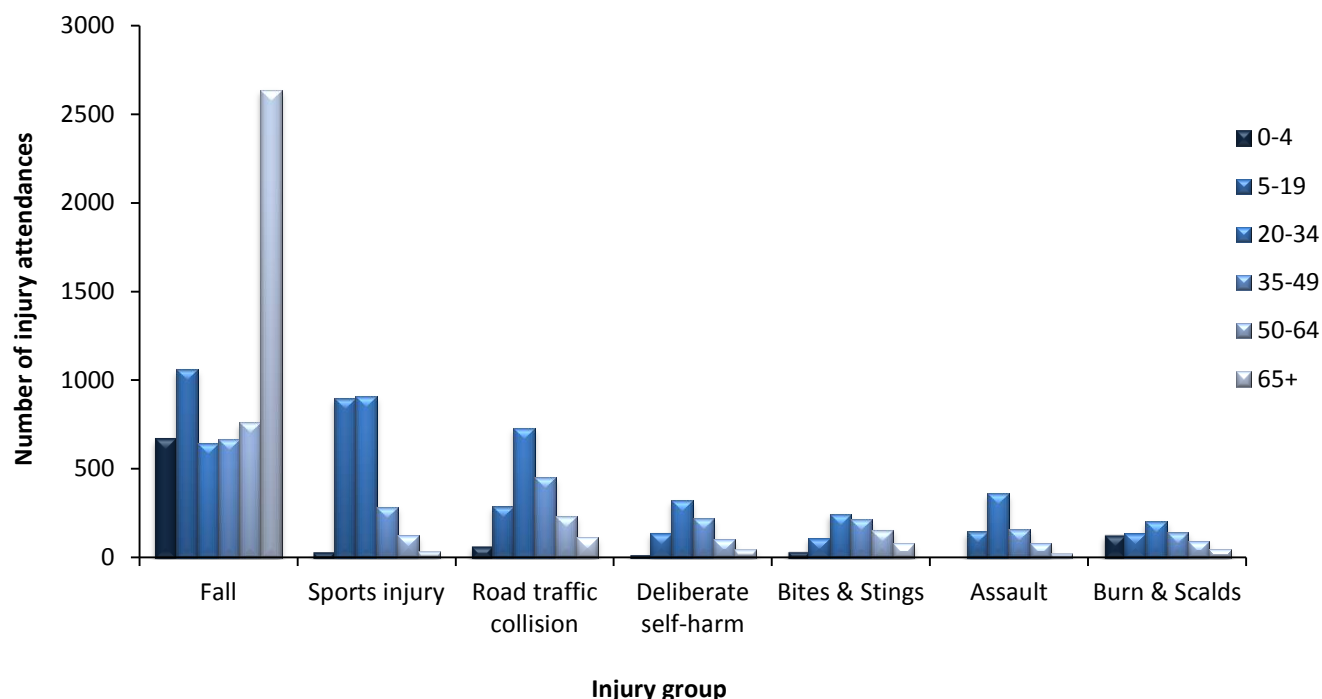


Table 2 shows the ethnicity of injury attendees to Wythenshawe Hospital ED; the majority (88%) were White.

Table 2: ED injury attendances by ethnicity and month, October 2014 to September 2015^{1,2}

Ethnicity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
White	998	1003	967	870	877	955	974	1027	1126	1129	1190	1077	12193	88
Pakistani	37	21	26	36	18	17	38	29	28	22	39	30	341	2
Mixed	32	23	20	14	27	33	28	27	22	18	36	22	302	2
Not known	23	26	19	27	17	26	25	35	21	30	22	29	300	2
Any other ethnic group	14	17	16	12	12	19	15	16	12	22	18	19	192	1
Black	14	14	13	14	9	11	16	24	19	13	22	30	199	1
Indian	11	8	<15	11	***	8	5	14	13	<15	<10	10	118	1
Asian other	6	7	5	9	9	9	11	9	5	10	8	6	94	1
Chinese	***	***	5	***	***	***	<10	10	5	8	5	***	58	0
Bangladeshi	***	***	***	***	0	<10	***	0	0	***	***	***	23	0
Total	1139	1124	1084	997	974	1091	1121	1191	1251	1269	1351	1228	13820	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, 19% were admitted to hospital and 18% were referred for further treatment (table 3).

² 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, October 2014 to September 2015

Disposal method	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Discharged	725	666	655	593	604	650	687	711	724	804	822	728	8369	61
Admitted	212	217	224	193	187	195	188	202	245	197	265	237	2562	19
Referral/follow-up	181	209	182	182	164	220	203	235	232	229	213	220	2470	18
Other	21	32	23	29	19	26	43	43	50	39	51	43	419	3
Total	1139	1124	1084	997	974	1091	1121	1191	1251	1269	1351	1228	13820	100

Almost four fifths (79%) of RTC attendees were discharged; one third (33%) of deliberate self-harm (DSH) attendees were admitted to hospital; and almost three in ten (29%) burns and scalds attendees were referred for follow-up treatment (table 4).

Table 4: ED injury attendances by disposal method and injury group (excluding electrical accident), October 2014 to September 2015

Disposal method	Fall		Sports injury		RTC		Bites & stings		DSH		Assault		Burns & scalds		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	3461	54	1479	65	1491	79	592	70	418	49	477	62	440	59	8358	61
Admitted	1680	26	108	5	184	10	149	18	278	33	118	15	68	9	2585	19
Referral/follow-up	1177	18	621	27	125	7	83	10	108	13	113	15	216	29	2443	18
Other	114	2	74	3	82	4	20	2	44	5	59	8	26	3	419	3
Total	6432	100	2282	100	1882	100	844	100	848	100	767	100	750	100	13805	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, October 2014 to September 2015

Arrival mode	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Not Known	769	806	720	668	680	785	804	859	913	906	950	881	9741	70
Ambulance	370	318	364	329	294	306	317	332	338	363	401	347	4079	30
Total	1139	1124	1084	997	974	1091	1121	1191	1251	1269	1351	1228	13820	100

Table 6 shows the incident location of injury attendances; over four in ten (41%) occurred in the home, while 18% occurred at a sports venue.

Table 6: ED injury attendances by incident location and injury group (excluding electrical accident), October 2014 to September 2015¹

Incident location	Fall		Sports injury		RTC		Bites & stings		Burns & scalds		DSH		Assault		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Home	3912	61	0	0	0	0	474	56	541	64	256	33	464	62	5647	41
Sport	216	3	2282	100	0	0	<20	2	***	0	15	2	10	1	2541	18
Not recorded	972	15	0	0	0	0	182	22	221	26	137	18	137	18	1649	12
RTC	39	1	0	0	1882	100	***	0	0	0	***	0	0	0	1923	14
Public place	643	10	0	0	0	0	100	12	66	8	220	29	32	4	1061	8
Street	196	3	0	0	0	0	23	3	<10	1	56	7	***	0	284	2
School/college	283	4	0	0	0	0	***	0	10	1	17	2	<10	1	319	2
Work	159	2	0	0	0	0	<45	5	***	0	48	6	98	13	351	3
Licensed Premises	12	0	0	0	0	0	0	0	***	0	<20	2	0	0	30	0
Total	6432	100	2282	100	1882	100	844	100	848	100	767	100	750	100	13805	100

ASSAULT ATTENDANCES

Between October 2014 and September 2015 there were 767 assault-related injury attendances to Wythenshawe Hospital ED. Close to seven in ten (67%) were male and 47% 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, October 2014 to September 2015¹

Gender	Assaults (n=767)		All injuries (n=13,820)
	n	%	%
Male	514	67	53
Female	253	33	47
Arrival mode	n	%	%
Not Known	540	70	70
Ambulance	227	30	30
Age group	n	%	%
0-4	***	0	7
5-19	146	19	20
20-34	360	47	25
35-49	157	20	15
50-64	82	11	11
65+	<25	3	22