

Trauma and Injury Intelligence Group Biannual Bulletin

North Manchester General 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

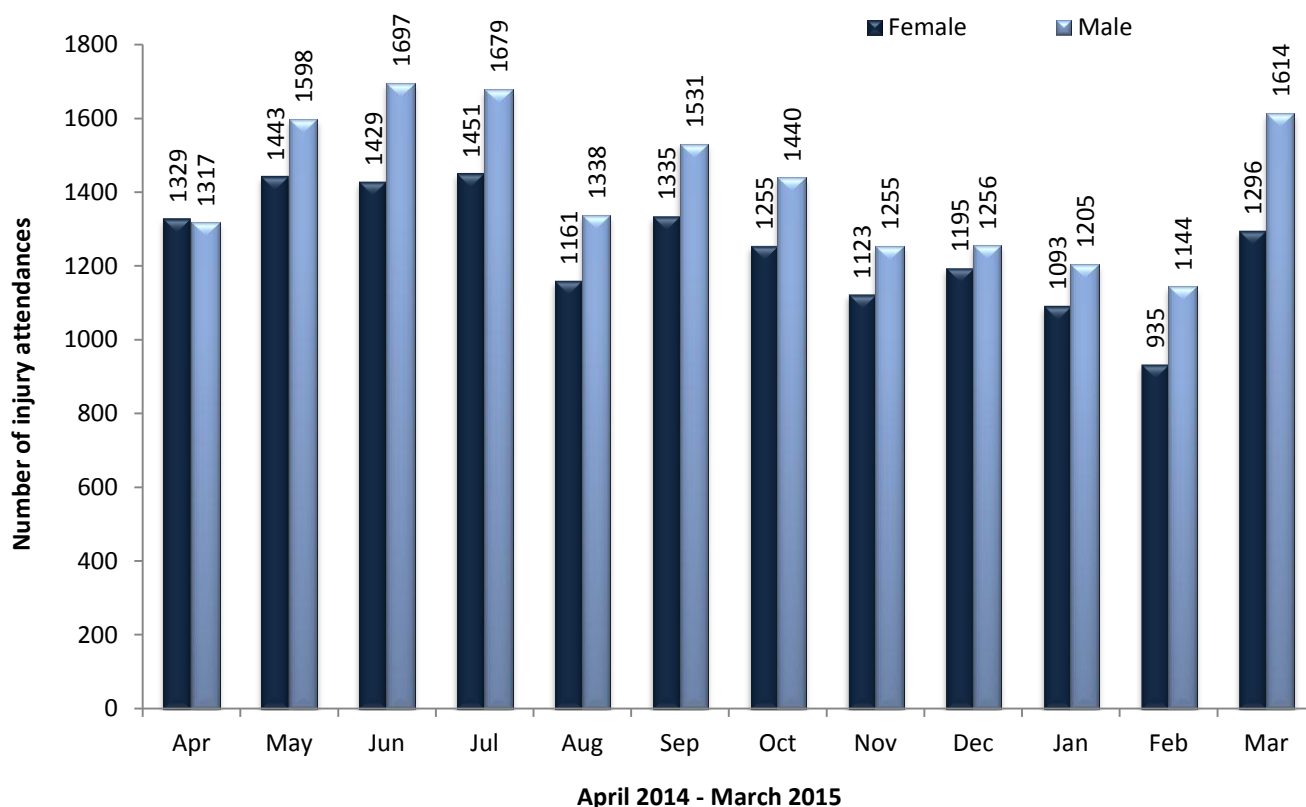
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ALL INJURY ATTENDANCES

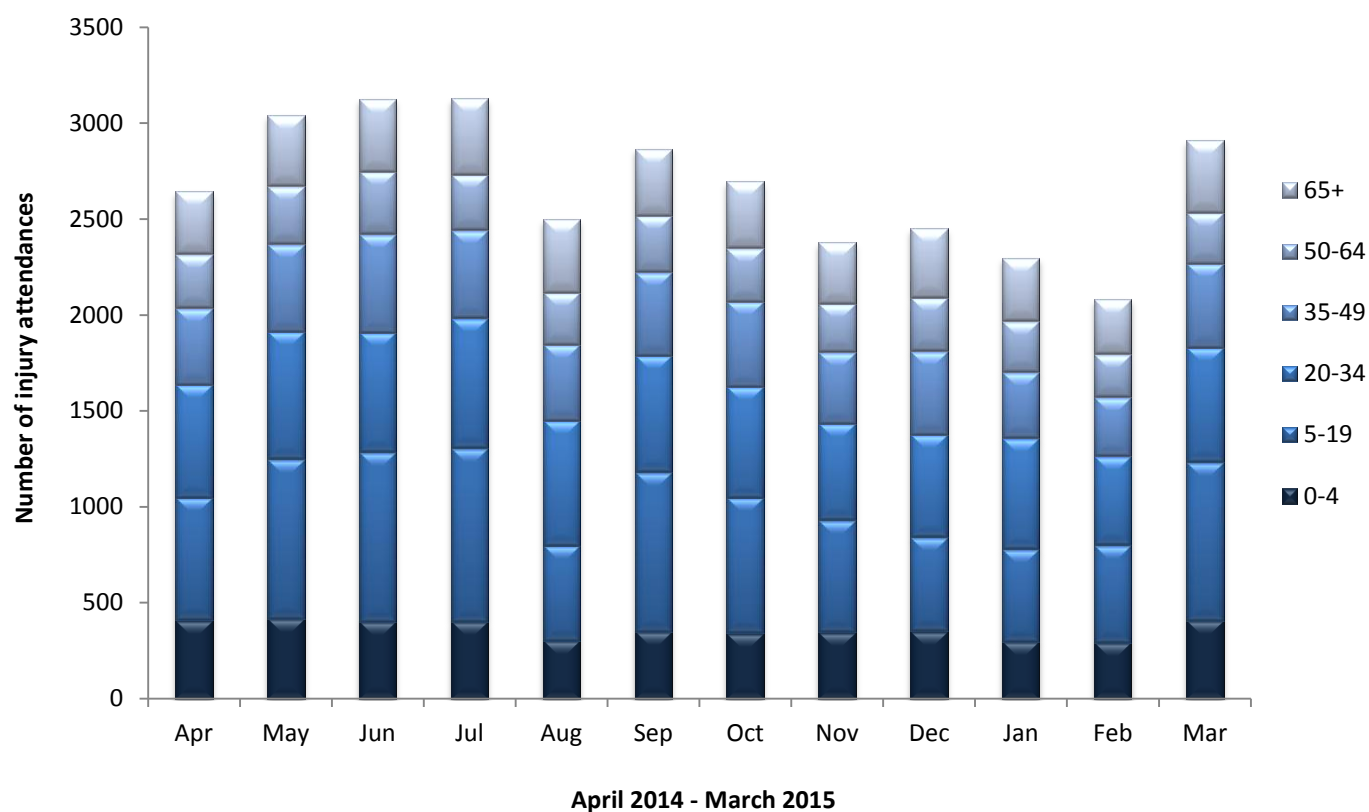
This bulletin provides a breakdown of all injury attendances to North Manchester General Hospital Emergency Department (ED) between April 2014 and March 2015. During this twelve month period there were 32,119 injury attendances to the ED. The month with the highest attendances, calculated as a daily average, was June 2014 (104 per day), while both January and February 2015 had the fewest attendances (74 per day; figure 1).

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



Males accounted for over half (53%) of all injury attendances (figure 1). The highest proportions of attendances were for people aged between 5 and 19 years (25%) and between 20 and 34 years (22%; figure 2).

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



[§]There were nine records where the age was unknown; these have been omitted from the chart.

The majority (61%) of attendances were recorded as 'other' injuries. Falls accounted for 22% of injury attendances, 7% were sustained from road traffic collisions (RTCs) and 4% from assaults (table 1).

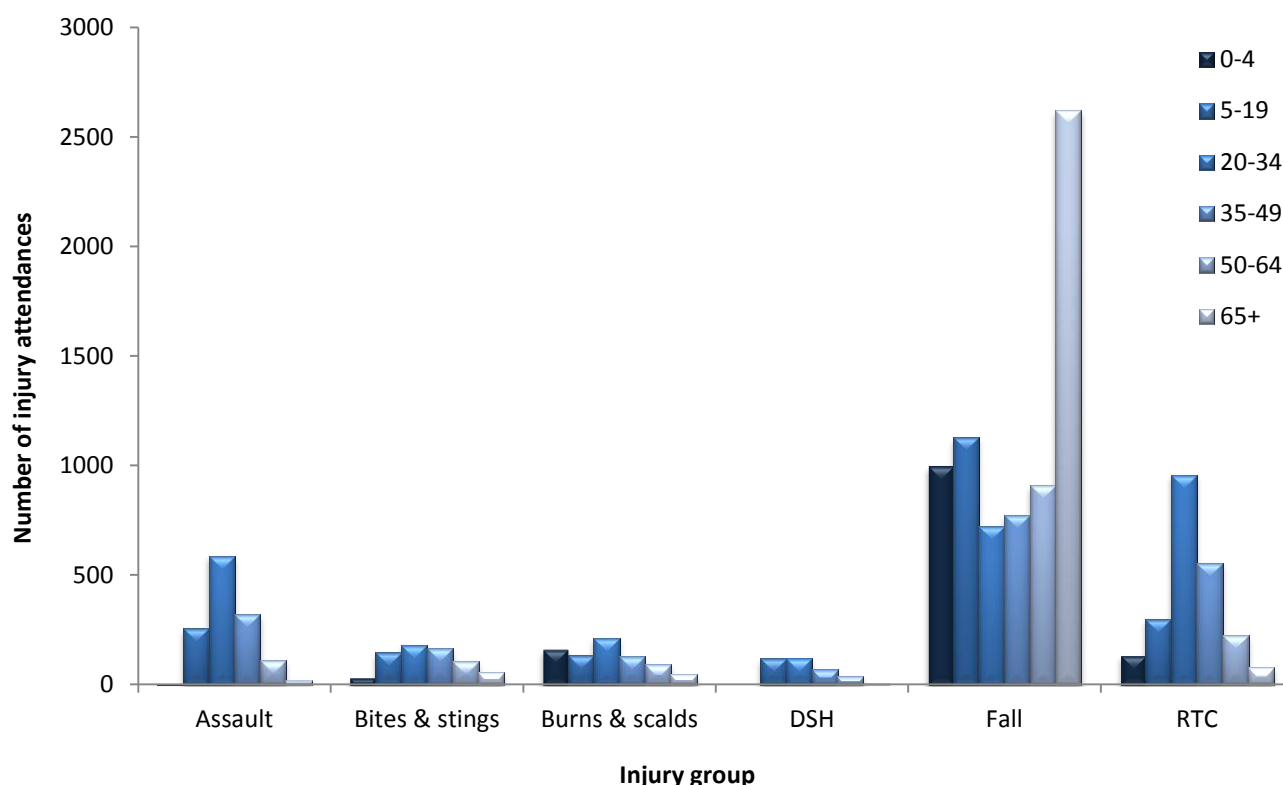
Table 1: ED injury attendances by injury group and month, April 2014 to March 2015[^]

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Other injury	1562	1942	1912	1960	1489	1832	1711	1433	1351	1299	1234	1888	19613	61
Fall	615	638	723	682	558	593	546	509	631	553	494	610	7152	22
RTC	188	185	187	166	185	175	209	189	228	209	142	183	2246	7
Assault	123	116	128	108	114	100	86	114	101	110	92	104	1296	4
Burns & scalds	79	70	64	74	56	60	59	62	72	68	54	58	776	2
Bites & stings	55	61	78	103	73	78	57	46	32	27	37	41	688	2
DSH	24	29	34	37	24	28	27	25	36	32	26	26	348	1
Total	2646	3041	3126	3130	2499	2866	2695	2378	2451	2298	2079	2910	32119	100

[^]Due to low numbers other injury includes electrical accident (n=31), and assault includes stabbing (n=41) records.

Over a third (37%) of fall attendees were aged 65 years and over and just over a third (34%) of deliberate self-harm (DSH) attendees were aged between 5 and 19 years, and 20 and 34 years (figure 3).

Figure 3: ED injury attendances by age group and injury group (excluding other injury), April 2014 to March 2015[†]



[†] There were nine records where the age was unknown; these have been omitted from the chart.

Table 2 shows the incident location of injury attendances. Over half (52%) of injuries occurred in the home, 15% occurred in a public place, 6% occurred at an educational establishment and 4% occurred at work. Three quarters (75%) of DSH injuries and almost six in ten (57%) falls occurred in the home.

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

Incident location	Assault		Burns & scalds		Bites & stings		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Home	271	21	465	60	344	50	262	75	4051	57	11312	58	59	3	16764	52
Other	330	25	50	6	106	15	42	12	636	9	3058	16	2069	92	6291	20
Public place	554	43	31	4	168	24	<30	8	1621	23	2289	12	<65	3	4751	15
Educational establishment	39	3	8	1	5	1	7	2	389	5	1386	7	0	0	1834	6
Work	82	6	52	7	38	6	***	0	157	2	979	5	***	0	1313	4
Not recorded	20	2	170	22	27	4	9	3	298	4	589	3	53	2	1166	4
Total	1296	100	776	100	688	100	348	100	7152	100	19613	100	2246	100	32119	100

[^] Due to low numbers other injury includes electrical accident (n=31), and assault includes stabbing (n=41) records.

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.

Table 3 shows the ethnicity of attendees to North Manchester General Hospital ED. Almost three-quarters (74%) were White, 7% were Pakistani and 5% were Black.

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

Ethnicity	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
White	1981	2261	2309	2389	1910	2147	2024	1718	1730	1673	1544	2131	23817	74
Pakistani	185	234	236	200	170	180	202	199	219	204	145	209	2383	7
Black	118	134	168	166	115	169	131	125	157	109	109	150	1651	5
Any other ethnic group	110	123	131	144	88	128	110	118	113	115	86	145	1411	4
Not stated	109	122	116	87	90	100	110	81	80	90	70	95	1150	4
Mixed	65	68	63	55	66	61	<45	70	66	45	<55	75	728	2
Asian other	47	62	62	40	38	40	39	39	43	39	30	52	531	2
Indian	19	28	<15	<25	11	23	20	16	25	12	25	<30	242	1
Chinese	9	5	21	18	6	14	10	6	15	6	8	22	140	0
Not recorded	***	***	5	6	***	***	***	***	***	***	***	***	33	0
Bangladeshi	***	***	***	***	***	***	6	***	***	***	6	0	33	0
Total	2646	3041	3126	3130	2499	2866	2695	2378	2451	2298	2079	2910	32119	100

The disposal of a patient can give an indication of the severity of the injuries sustained. Six in ten (60%) attendees were discharged with no follow-up treatment required, almost three in ten (29%) were referred for further treatment and 10% were admitted to hospital (table 4).

Table 4: ED injury attendances by disposal method and month, April 2014 to March 2015³

Disposal method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged	1632	1788	1773	1829	1431	1750	1606	1454	1521	1417	1283	1669	19153	60
Referral/follow-up	757	968	1008	944	766	820	815	644	614	576	543	926	9381	29
Admitted	229	251	296	306	256	264	244	254	264	269	226	291	3150	10
Other	28	34	49	51	46	32	30	26	52	36	27	24	435	1
Total	2646	3041	3126	3130	2499	2866	2695	2378	2451	2298	2079	2910	32119	100

Three quarters (75%) of RTC attendees were discharged with no follow-up treatment required and 44% of burn and scald attendees were referred for further treatment (table 5).

² White = Irish, British, other White background; Mixed = White and Black, White and Asian, mixed - any other; Black = African, Caribbean, other Black.

³ Admitted = admitted to hospital bed; 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; Other = died in department, left department before being treated, left department having refused treatment.

Table 5: ED injury attendances by disposal method and injury group, April 2014 to March 2015^{3^}

Disposal method	Assault		Burns & scalds		Bites & stings		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	753	58	303	39	464	67	173	50	3649	51	12130	62	1681	75	19153	60
Referral/follow-up	261	20	341	44	196	28	47	14	1738	24	6354	32	444	20	9381	29
Admitted	187	14	88	11	23	3	74	21	1630	23	1057	5	91	4	3150	10
Other	95	7	44	6	5	1	54	16	135	2	72	0	30	1	435	1
Total	1296	100	776	100	688	100	348	100	7152	100	19613	100	2246	100	32119	100

^Due to low numbers other injury includes electrical accident (n=31), and assault includes stabbing (n=41) records.

Table 6 shows the arrival method of attendances to North Manchester General Hospital ED. Almost seven in ten arrived by private transport (68%), while nearly a fifth (17%) arrived by ambulance.

Table 6: ED injury attendances by arrival mode and month, April 2014 to March 2015¹

Arrival mode	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Private transport	1825	2166	2165	2125	1644	1970	1773	1530	1653	1517	1374	2015	21757	68
Ambulance	438	448	494	510	469	453	462	464	422	477	386	454	5477	17
Foot	122	86	175	136	105	152	169	108	115	105	91	156	1520	5
Other	105	164	147	112	93	50	57	63	54	41	70	62	1018	3
Taxi	61	77	60	92	83	108	101	101	<85	<55	69	79	965	3
Not recorded	54	42	<50	74	51	76	61	<60	63	59	40	71	697	2
Public transport	27	<35	21	52	30	46	53	28	34	29	<40	38	428	1
Police	<15	21	16	24	18	<10	12	22	27	14	9	22	204	1
Work transport	***	***	***	5	6	***	7	***	***	***	***	13	53	0
Total	2646	3041	3126	3130	2499	2866	2695	2378	2451	2298	2079	2910	32119	100

ASSAULT ATTENDANCES

Between April 2014 and March 2015 there were 1,296 assault-related injury attendances to North Manchester General Hospital ED.

Table 7: ED assault attendances by gender, incident location and age group, April 2014 to March 2015*

	Assault attendances (n=1,255)		All injury attendances (n=32,119)	
	n	%	n	%
Gender				
Male	875	70		53
Female	380	30		47
Incident location				
Home	271	21		52
Other	330	25		20
Public place	554	43		15
Educational establishment	39	3		6
Work	82	6		4
Not recorded	20	2		4
Age group				
0 - 4	5	0		13
5 - 19	255	20		25
20 - 34	586	45		22
35 - 49	321	25		16
50 - 64	109	8		10
65 plus	19	1		13

* There were <5 records where the age was unknown; these have been omitted from the table.

Seven in ten assault attendees were male (70%) and nearly half (45%) were aged between 20 to 34 years. Over two-fifths (43%) of assaults occurred in a public place (table 7).