

Trauma and Injury Intelligence Group Biannual Bulletin

Arrowe Park Hospital Emergency Department
April 2014 to March 2015

July 2015



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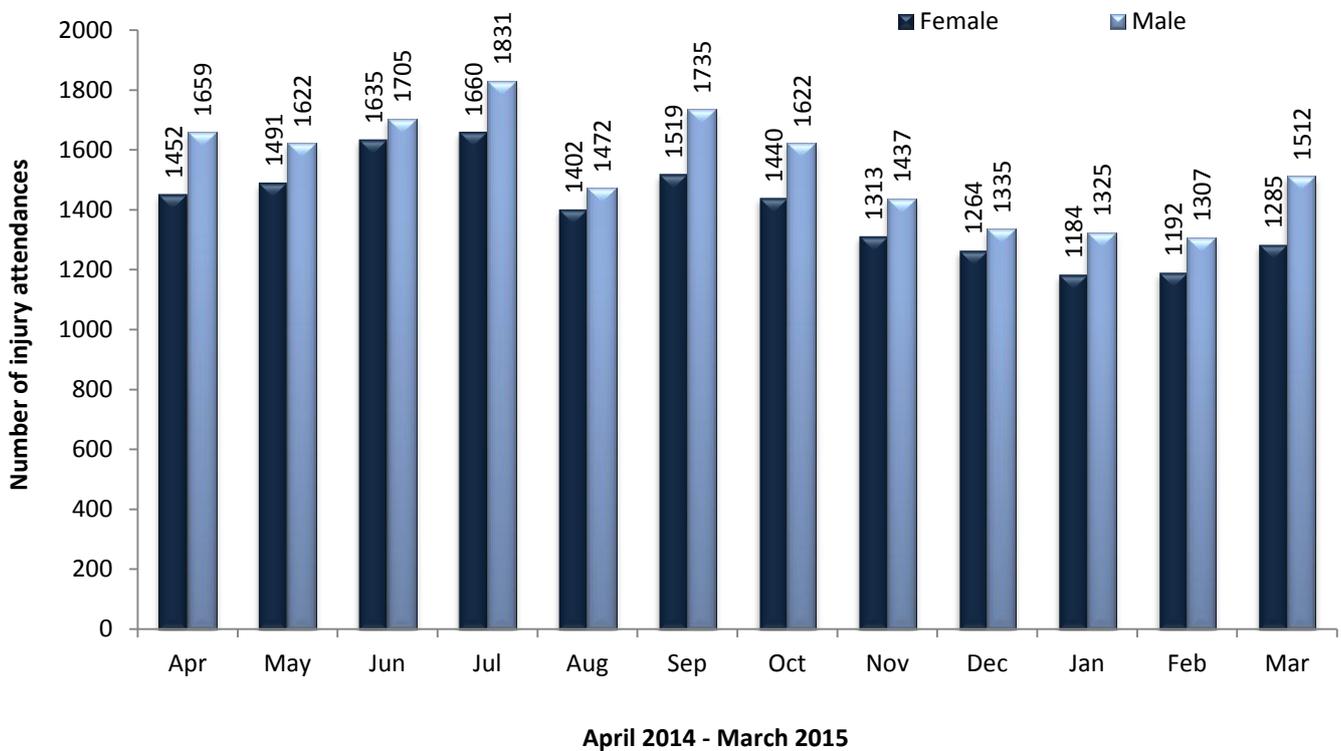
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ALL INJURY ATTENDANCES

This bulletin provides a breakdown of all injury attendances to Arrowe Park Hospital Emergency Department (ED) between April 2014 and March 2015. During this twelve month period, there were 35,402 injury attendances to the ED. The month with the highest number of attendances, calculated as a daily average, was July 2015 (113 per day) while January 2015 had the fewest (81 per day; figure 1). There were more male injury attendances than female presenting at Arrowe Park ED (52%; figure 1).

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



[^]There were <5 records where the gender was unknown; these have been omitted from the chart.

Figure 2 displays injury attendances by age group. Attendances were highest for those aged between 30 and 59 years (28%).

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

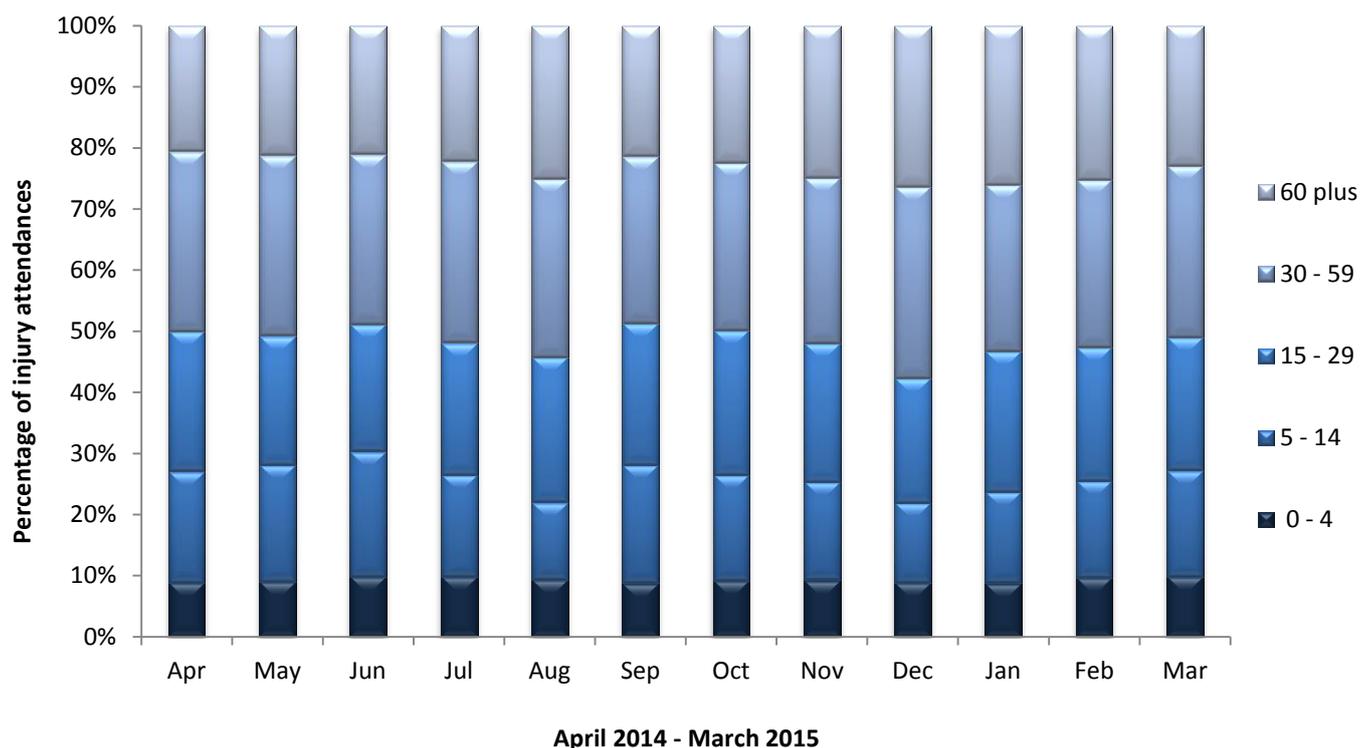


Table 1 displays attendances to Arrowe Park Hospital ED between April 2014 and March 2015 by injury group. Falls were the most prevalent cause of injury, accounting for over four in ten (42%) attendances. Just over a fifth (21%) of injury attendances were recorded as other injury and 11% were the result of the attendee having been struck.

Table 1: ED injury attendances by injury group and month, April 2014 to March 2015¹

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	1330	1399	1541	1520	1206	1319	1102	1132	1206	1039	1032	1096	14922	42
Other injury	628	553	671	815	621	691	796	598	419	463	551	672	7478	21
Struck	383	381	376	390	307	363	298	307	273	255	225	262	3820	11
Wound or cut	214	205	225	258	234	226	208	174	186	197	158	155	2440	7
Sports injury	155	153	147	132	133	281	279	211	132	159	190	247	2219	6
Road traffic collision	163	184	150	138	143	133	160	125	181	167	144	150	1838	5
Assault	116	103	116	115	104	119	99	91	93	121	94	101	1272	4
Deliberate self-harm	42	49	31	42	43	39	56	42	35	40	42	47	508	1
Burn/scald	25	29	32	28	32	35	<35	<30	32	29	<35	21	342	1
Bite	34	29	27	30	30	34	19	16	23	21	17	25	305	1
Ingestion	<20	<25	20	20	19	9	8	19	15	14	14	19	194	1
Inhalation	5	6	***	***	***	***	8	9	***	***	6	***	51	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	13	0
Total	3111	3113	3340	3491	2875	3254	3062	2750	2599	2510	2500	2797	35402	100

¹ Please note that 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 have been suppressed to prevent back calculations from totals.

Table 2 displays the source of referral for patients presenting to Arrowe Park Hospital ED. The majority (92%) of injury attendees self-referred².

Table 2: ED injury attendances by source of referral and month, April 2014 to March 2015¹

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Self-referral	2829	2799	3076	3162	2642	3007	2851	2527	2345	2372	2401	2668	32679	92
Other	85	124	93	135	91	75	100	63	65	58	60	68	1017	3
Emergency services	71	104	86	111	75	96	<70	94	111	19	***	0	829	2
Health care provider	54	38	38	32	37	38	18	30	25	38	17	23	388	1
Police	<30	<30	17	12	14	<20	9	17	19	8	10	25	189	1
Work	25	14	<20	23	11	8	9	7	***	0	0	0	111	0
Educational establishment	19	5	15	11	0	10	6	5	16	***	***	***	94	0
GP	6	5	***	***	5	5	7	7	14	11	8	<15	86	0
Unknown	***	***	0	***	0	0	***	0	0	***	***	0	7	0
Community dental service	0	0	0	0	0	0	0	0	***	0	0	0	***	0
Local authority	0	0	0	0	0	***	0	0	0	0	0	0	***	0
Total	3111	3113	3340	3491	2875	3254	3062	2750	2599	2510	2500	2797	35402	100

Table 3 displays injury attendances by incident location. A third (33%) of injuries occurred in a public place, close to three in ten (28%) occurred in the home and a quarter (25%) occurred in 'other' locations.

Table 3: ED injury attendances by incident location and month, April 2014 to March 2015¹

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public place	1096	1000	1131	1290	1050	1075	991	881	820	860	803	821	11818	33
Home	899	870	928	946	804	784	802	734	781	809	843	855	10055	28
Other	698	823	808	858	809	897	827	767	706	510	445	596	8744	25
Sport	177	160	175	169	132	216	199	159	86	135	158	223	1989	6
Educational establishment	<110	129	174	104	0	160	120	118	123	<115	<150	167	1453	4
Workplace	123	116	<120	<120	66	113	115	83	71	80	94	128	1217	3
Unknown	9	8	***	9	<10	***	<10	***	7	5	5	***	69	0
Sea/waterway	***	7	6	***	6	5	***	***	***	***	6	***	48	0
Road traffic accident	0	0	0	0	***	***	0	0	***	0	***	***	9	0
Total	3111	3113	3340	3491	2875	3254	3062	2750	2599	2510	2500	2797	35402	100

Table 4 displays the discharge method of patients presenting to Arrowe Park Hospital ED. Just under half (48%) of attendees were discharged without requiring any follow-up treatment, while around one in eight (12%) were

² Please note that since January 2015 there was a sudden drop in the number of records most noticeable for source of referral and discharge method data items. This was due to inpatient data being transferred from the Old system (PCIS) to the New System (Cerner) in November 2014 for Arrowe Park Hospital.

discharged to a fracture clinic. One in ten (10%) required follow-up treatment to be provided by their General Practitioner (GP) and 9% were admitted to hospital³.

Table 4: ED injury attendances by discharge method and month, April 2014 to March 2015¹⁵

Discharge method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged - no follow-up	1491	1593	1628	1669	1301	1619	1479	1356	1192	1114	1182	1395	17019	48
Discharged - fracture clinic	375	353	399	405	349	410	376	293	318	320	294	326	4218	12
Discharged - GP follow-up	301	295	313	353	285	321	269	242	298	250	219	294	3440	10
Admitted	<430	379	384	437	466	404	422	184	0	***	***	***	3104	9
Discharged - other	76	51	80	83	61	60	118	281	399	442	390	389	2430	7
Left department before assessment	93	113	157	141	75	87	63	63	53	40	51	68	1004	3
Discharged - adult ED clinic	82	68	88	96	88	78	61	57	73	59	57	66	873	2
Discharged - GP nurse	69	58	88	91	75	67	102	61	56	66	68	50	851	2
Unknown	19	16	13	29	8	23	5	75	94	87	97	59	525	1
Discharged - paediatric ED	54	43	51	49	25	54	52	45	23	<40	33	<50	504	1
Discharged - walk-in centre	21	43	22	32	40	21	18	19	15	16	13	18	278	1
Discharged - maxillary/facial	20	29	<30	18	<20	24	31	17	25	28	25	22	277	1
Left department	33	20	39	39	36	28	11	11	14	16	13	13	273	1
Discharged - ear, nose and throat	20	21	21	11	13	30	23	22	17	21	22	23	244	1
Transferred to other HCP	13	18	23	23	23	19	12	10	13	12	22	20	208	1
Discharged - physiotherapy	18	13	9	15	15	9	20	14	9	5	11	11	149	0
Died in department	***	0	***	0	***	0	0	0	0	0	***	0	5	0
Total	3111	3113	3340	3491	2875	3254	3062	2750	2599	2510	2500	2797	35402	100

⁵HCP = Health Care Provider.

ASSAULT ATTENDANCES

Between April 2014 and March 2015, there were 1,272 assault attendances to Arrowe Park ED. The majority of attendees were for males (68%), while half (50%) were aged between 15 and 29 years. Over a third (35%) of assaults occurred in a public place, 16% occurred in the home and 11% occurred in an 'other' location (table 5).

³ Please note that since January 2015 there was a sudden drop in the number of records most noticeable for source of referral and discharge method data items. This was due to inpatient data being transferred from the Old system (PCIS) to the New System (Cerner) in November 2014 for Arrowe Park Hospital.

Table 5: ED assault attendances by incident location and month, April 2014 to March 2015¹

Incident location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public space	38	33	52	45	50	39	37	18	25	46	26	30	439	35
Home	24	13	13	21	14	16	21	20	27	18	10	12	209	16
Other	11	15	12	14	10	15	8	14	***	10	10	<25	141	11
Shops	0	0	0	0	***	***	16	14	16	20	24	24	116	9
Street/road	15	14	16	10	14	24	***	6	***	***	***	***	112	9
Public house	9	9	7	6	***	***	***	***	8	12	10	9	81	6
Night club	7	8	5	6	***	6	***	***	5	5	6	0	59	5
Public park	6	***	5	6	***	***	***	5	***	***	***	5	41	3
Workplace	***	***	***	***	***	8	0	0	0	0	0	0	21	2
Railway station	0	***	***	***	***	0	0	***	***	***	***	0	11	1
School	***	***	***	***	0	***	0	***	***	0	0	0	11	1
Leisure facility	***	0	0	0	***	***	***	0	0	0	***	0	7	1
Unknown	0	0	0	***	***	***	0	***	0	***	***	0	7	1
Hospital	0	0	0	0	0	***	***	***	***	***	0	0	6	0
Details withheld by patient	0	***	0	0	0	0	0	0	***	***	***	0	***	0
On public transport	***	0	0	0	0	***	0	***	***	0	0	0	***	0
Car park	***	0	0	0	0	0	***	***	0	0	0	0	***	0
Total	116	103	116	115	104	119	99	91	93	121	94	101	1272	100

Table 6 displays the geographical location of assault incidents. Close to three in ten (28%) assaults occurred in Birkenhead town centre.

Table 6: ED assault attendances by geographical location of assault and month, April 2014 to March 2015¹

Geographical assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Birkenhead centre	24	28	38	37	38	40	27	26	25	37	25	17	362	28
Wallasey-Seacombe	20	10	21	8	12	16	17	11	9	12	11	12	159	13
Other	<15	10	12	15	9	8	12	14	***	10	6	8	116	9
Bidston-Prenton-Oxton	7	10	9	12	7	11	5	***	<15	13	7	10	104	8
New Ferry-Rock Ferry	6	7	10	7	10	6	***	<15	7	10	8	6	86	7
Liverpool city centre	***	8	***	7	8	6	13	9	5	7	11	***	82	6
Greasby-Upton-Arrowe Park	15	6	5	5	***	11	***	7	6	7	***	9	81	6
Moreton-Leasowe	8	5	8	***	8	5	***	***	***	5	***	7	62	5
New Brighton	6	***	***	***	***	***	***	***	6	***	***	6	43	3
Bromborough-Eastham	***	***	***	6	***	6	7	***	***	***	***	5	39	3
Bebington	5	0	***	***	***	***	***	***	6	***	***	6	35	3
Heswall-Pensby-Thingwall	5	5	0	***	***	***	***	***	5	***	5	5	32	3
Neston-Parkgate	***	5	***	***	0	***	***	0	***	***	***	***	20	2
West Kirby	***	***	0	***	0	***	***	***	***	***	***	***	18	1
Ellesmere Port-Cheshire Oaks	***	***	0	0	0	***	0	***	***	0	0	***	10	1
Meols-Frankby-Hoylake	***	0	***	0	***	***	***	0	***	0	***	***	10	1
Unknown	0	0	0	***	***	***	0	***	0	***	***	0	7	1
Refused to answer	***	***	***	0	0	0	0	0	***	***	0	0	6	0
Total	116	103	116	115	104	119	99	91	93	121	94	101	1272	100

The majority (60%) of assault victims reported being attacked by one attacker (table 7).

Table 7: ED assault attendances by number of attackers and month, April 2014 to March 2015¹

Number of attackers	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
1 attacker	59	66	66	61	56	73	59	63	54	77	56	67	757	60
More than 2	42	21	30	22	23	28	22	19	24	27	26	21	305	24
2 attackers	6	7	7	20	16	9	9	<10	10	9	***	8	109	9
Unknown	9	9	13	12	9	9	9	***	5	8	<15	5	101	8
Total	116	103	116	115	104	119	99	91	93	121	94	101	1272	100

Figure 3 displays whether injury attendees had consumed alcohol within the three hours prior to the incident. The majority of injury attendees (92%) had not consumed alcohol; however, for assault attendees, 51% reported that they had consumed alcohol.

Figure 3: ED injury and assault attendances by whether alcohol had been consumed in the three hours prior to the incident and month, April 2014 to March 2015

