

Trauma and Injury Intelligence Group Biannual Bulletin

Arrowe Park Hospital Emergency Department
October 2014 to September 2015

December 2015



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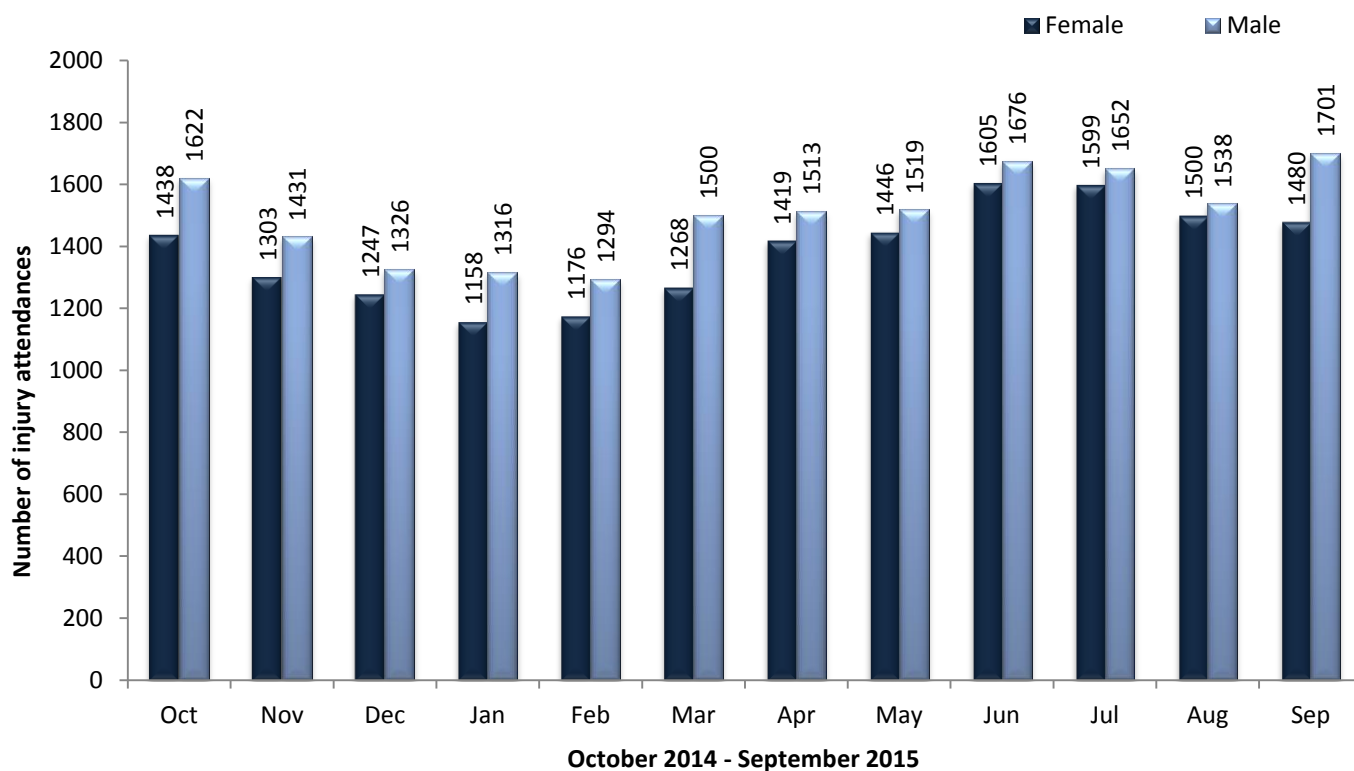
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ALL INJURY ATTENDANCES

This bulletin provides a breakdown of all injury attendances to Arrowse Park Hospital Emergency Department (ED) between October 2014 and September 2015. During this twelve month period, there were 34,729 injury attendances to the ED. The month with the highest number of attendances, calculated as a daily average, was June 2015 (109 per day) while January 2015 had the fewest (80 per day; figure 1). There were more male injury attendances than female presenting at Arrowse Park ED (52%; figure 1).

Figure 1: ED injury attendances by gender and month, October 2014 to September 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 (29%).

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

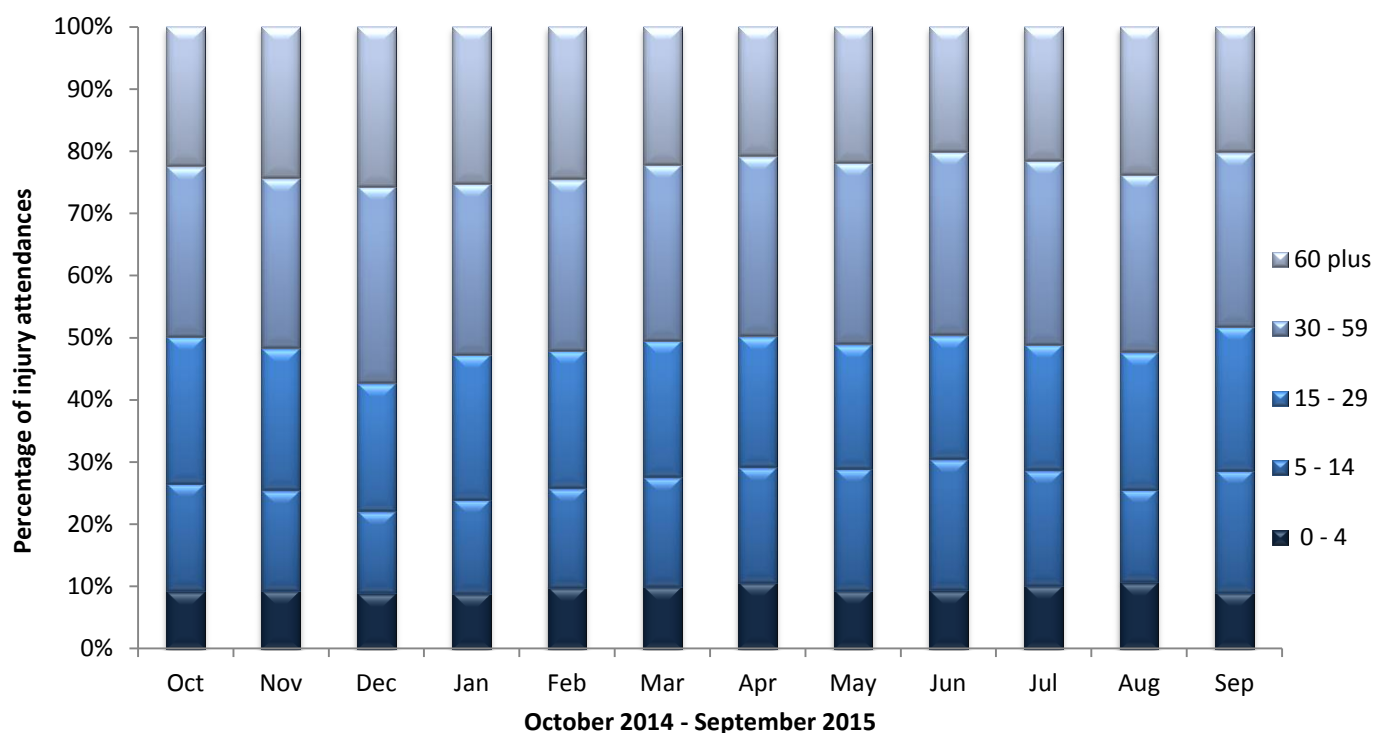


Table 1 displays attendances to Arrowe Park Hospital ED between October 2014 and September 2015 by injury group. Falls were the most prevalent cause of injury, accounting for just fewer than four in ten (39%) attendances. Just over a quarter (26%) of injury attendances were recorded as other injuries and 10% were the result of the attendee having been struck.

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	1102	1116	1181	1010	1005	1071	1147	1130	1201	1143	1171	1180	13457	39	
Other injury	794	641	456	499	591	715	815	862	1000	1041	813	833	9060	26	
Struck	298	307	273	255	225	262	332	331	336	344	295	300	3558	10	
Wound or cut	208	173	185	196	158	155	170	209	210	238	236	233	2371	7	
Sports injury	279	211	132	159	190	247	172	129	166	125	114	234	2158	6	
RTA	160	125	180	166	144	150	153	144	172	183	200	172	1949	6	
Assault	99	91	93	121	93	101	91	88	124	101	86	92	1180	3	
Burn/scald	29	24	32	29	26	21	15	19	24	30	28	23	300	1	
Bite	19	16	23	21	17	25	12	27	29	26	26	30	271	1	
Ingestion	8	<20	14	14	<15	19	<20	20	14	14	16	8	176	1	
Deliberate self-harm	56	***	***	***	***	***	***	***	***	***	49	65	171	0	
Inhalation	<10	9	***	***	6	***	7	***	***	***	***	***	<15	62	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	16	0	
Total	3060	2734	2573	2475	2471	2768	2932	2965	3281	3251	3038	3181	34729	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 (94%) of injury attendees self-referred.

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

Source of referral	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Self referral	2849	2511	2323	2339	2372	2642	2781	2824	3055	3070	2891	2988	32645	94
Other	100	63	65	57	61	67	90	84	127	84	78	87	963	3
Health care provider	18	30	24	37	16	22	26	41	32	36	34	40	356	1
Emergency services	61	94	109	19	***	0	0	***	<10	<10	***	5	305	1
Police	9	17	19	8	10	25	19	8	7	11	8	10	151	0
GP	7	7	<15	11	8	<15	11	***	22	15	12	15	135	0
Educational establishment	<10	5	16	***	***	***	***	***	18	10	0	20	87	0
Work	9	7	***	0	0	0	0	***	12	16	13	16	78	0
Unknown	***	0	0	***	***	0	***	0	***	***	***	0	9	0
Total	3060	2734	2573	2475	2471	2768	2932	2965	3281	3251	3038	3181	34729	100

Table 3 displays injury attendances by incident location. Just over a third (34%) of injuries occurred in a public place, close to three in ten (29%) occurred in the home and close to a quarter (23%) occurred in 'other' locations.

Table 3: ED injury attendances by incident location and month, October 2014 to September 2015¹

Incident location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Public place	989	879	811	854	798	815	1129	1127	1060	1266	1143	1082	11953	34
Home	802	722	768	783	821	834	867	875	931	985	937	895	10220	29
Other	827	765	702	508	443	594	563	601	843	644	711	614	7815	23
Sport	199	159	86	135	158	223	151	135	191	141	145	257	1980	6
Educational establishment	120	118	123	108	144	167	94	123	152	110	5	196	1460	4
Workplace	115	83	71	80	94	128	113	100	99	95	86	128	1192	3
Unknown	<10	***	7	<10	<10	***	8	***	***	<10	***	***	60	0
Sea/waterway	***	***	***	***	6	***	***	***	***	***	6	<10	37	0
Road traffic accident	0	0	***	0	***	***	***	***	0	0	***	0	12	0
Total	3060	2734	2573	2475	2471	2768	2932	2965	3281	3251	3038	3181	34729	100

Table 4 displays the discharge method of patients presenting to Arrowe Park Hospital ED. Just under half (49%) of attendees were discharged without requiring any follow-up treatment, while over one in eight (14%) were admitted to hospital. Just over one in ten (12%) were referred to a fracture clinic and 11% required follow-up treatment to be provided by their General Practitioner (GP).

Table 4: ED injury attendances by discharge method and month, October 2014 to September 2015¹⁵

Discharge method	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Discharged - no follow-up	1484	1358	1195	1114	1174	1385	1345	1456	1676	1671	1515	1629	17002	49
Admitted	421	423	375	415	399	369	389	396	415	425	471	423	4921	14
Referred to fracture clinic	376	292	314	316	286	318	391	380	421	411	373	377	4255	12
Discharged - GP follow-up	371	297	355	314	282	337	354	347	308	303	264	303	3835	11
Referred - other outpatient clinic	160	126	118	116	127	118	129	123	132	155	114	140	1558	4
Referred - Adult ED clinic	113	102	98	92	90	108	106	109	142	107	111	132	1310	4
Left dept before assessment	64	66	54	42	52	68	120	70	94	84	95	98	907	3
Referred - other healthcare professional	48	47	35	37	29	33	54	47	47	42	50	50	519	1
Transferred to other healthcare provider	12	10	13	11	20	18	24	16	14	22	19	12	191	1
Left dept having refused treatment	11	<15	<15	13	<15	<15	12	14	19	13	10	<20	150	0
Unknown	0	***	***	5	0	***	8	7	<15	18	16	0	<80	0
Died in department	0	0	0	0	***	0	0	0	***	0	0	***	***	0
Total	3060	2734	2573	2475	2471	2768	2932	2965	3281	3251	3038	3181	34729	100

¹⁵HCP = Health Care Provider.

ASSAULT ATTENDANCES

Between October 2014 and September 2015, there were 1,180 assault attendances to Arrowe Park ED. The majority of attendees were male (65%), while just under half (48%) were aged between 15 and 29 years. A third (33%) of assaults occurred in a public place, 18% occurred in a 'street/road' and 18% occurred at home (table 5).

Table 5: ED assault attendances by incident location and month, October 2014 to September 2015¹

Incident location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Public place	37	18	25	46	25	30	23	30	43	34	32	42	385	33
Street/road	16	14	16	20	24	24	20	20	11	24	11	14	214	18
Home	21	20	27	18	10	12	24	12	25	16	14	10	209	18
Other	7	13	***	7	7	13	7	***	13	8	15	7	104	9
Public house	***	***	8	12	10	9	***	5	***	6	***	7	71	6
Night club	***	***	5	5	6	0	***	5	8	***	***	***	47	4
Workplace	***	6	***	***	***	***	***	8	***	***	***	***	45	4
Public park	***	5	***	***	***	<10	***	***	5	***	***	***	35	3
School	***	***	***	***	***	5	***	0	***	***	0	***	24	2
Car park	***	***	0	0	0	0	0	0	<10	0	0	0	9	1
Shops	0	***	***	0	0	0	***	***	***	0	0	***	7	1
Hospital	***	***	***	***	0	0	***	0	0	0	0	0	6	1
Leisure facility	***	0	0	0	***	0	0	0	0	0	0	***	6	1
Railway station	0	***	***	***	***	0	0	0	***	***	0	0	6	1
Details withheld by patient	0	0	***	***	***	0	0	***	0	0	***	0	5	0
Unknown	0	***	0	***	***	0	0	0	0	0	0	0	***	0
On public transport	0	***	***	0	0	0	0	0	0	0	***	0	***	0
Total	99	91	93	121	93	101	91	88	124	101	86	92	1180	100

Table 6 displays the geographical location of assault incidents. A quarter (25%) assaults occurred in Birkenhead town centre.

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

Geographical assault location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Birkenhead centre	27	26	25	37	24	17	22	17	33	27	21	23	299	25
Wallasey-Seacombe	17	11	9	12	11	12	11	10	15	<10	***	12	131	11
Other	12	14	***	10	<10	8	5	12	15	15	11	10	121	10
Bidston-Prenton-Oxton	<10	***	10	13	7	10	13	6	13	10	12	10	112	9
New Ferry-Rock Ferry	***	6	7	10	8	6	8	12	13	***	10	9	96	8
Liverpool city centre	13	9	5	7	11	***	5	5	***	***	6	***	73	6
Greasby-Upton-Arrowe Park	***	7	6	7	***	9	5	5	7	5	***	***	64	5
Moreton-Leasowe	***	***	***	5	***	7	6	***	7	10	***	5	58	5
New Brighton	***	***	6	***	***	6	6	9	***	***	***	0	47	4
Bebington	***	***	6	***	***	6	***	***	***	***	***	6	38	3
Bromborough-Eastham	7	***	***	***	***	5	***	0	5	5	***	***	38	3
Heswall-Pensby-Thingwall	***	***	5	***	5	5	0	5	***	5	***	***	34	3
Neston-Parkgate	***	0	***	***	***	***	***	***	***	***	***	***	19	2
West Kirby	***	***	***	***	***	***	***	0	0	***	0	***	19	2
Meols-Frankby-Hoylake	***	0	***	0	***	***	***	0	***	***	***	***	11	1
Refused to answer	0	0	***	***	0	0	***	***	0	***	***	0	9	1
Ellesmere Port-Cheshire Oaks	0	***	***	0	0	***	0	***	***	0	0	***	<10	1
Unknown	0	***	0	***	***	0	0	0	0	0	0	0	***	0
Total	99	91	93	121	93	101	91	88	124	101	86	92	1180	100

The majority (64%) of assault victims reported being attacked by one attacker (table 7).

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

Number of attackers	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
1 attacker	59	63	54	77	56	67	55	65	80	64	57	60	757	64
More than 2	22	19	24	27	26	21	24	12	31	24	18	17	265	22
2 attackers	9	<10	10	9	***	8	7	<10	7	<15	***	<15	91	8
Unknown	9	***	5	8	<10	5	5	***	6	***	<10	***	67	6
Total	99	91	93	121	93	101	91	88	124	101	86	92	1180	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, 45% 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, October 2014 to September 2015

