

Arrowe Park Emergency Department Monthly Bulletin: July 2011 to June 2012

This bulletin provides a breakdown of a total of 36,307 injury attendances at Arrowe Park Hospital Emergency Department (ED) between July 2011 and June 2012. Injury attendances peaked in May 2012 (n=3,584), with December 2011 (n=2,468) having the least number of injury attendances (**Figure 1**).

For all months there were more male injury attendances than female presenting at Arrowe Park ED (53%). **Figure 2** presents the age group of injury attendances. Across the whole year, injury attendances were highest for individuals aged 30 to 59 years (29%).

Table 1 details the injury group of injury attendees to Arrowe Park ED between July 2011 and June 2012. Falls were the most prevalent cause of injury, accounting for over four in ten (43%) attendances. Just over one in ten (14%) injury attendances were recorded as other injury and 11% of injury attendances were as a result of the attendee having been struck.

Table 2 illustrates the source of referral for patients presenting with injuries. The majority (94%) of injury attendees self-referred.

Table 3 presents injury attendances by location of incident. Over four in ten (43%) injuries were recorded as having occurred in a public place, while just over three in ten (32%) incidents were recorded as having occurred in the home.

Table 4 shows the discharge method of injury attendances. The majority (51%) of attendees were discharged without requiring any follow-up, whilst just over one in ten (13%) attendees were admitted.

A total of 1,521 attendees presented at Arrowe Park ED in this period as a result of assault; these

attendees were mainly male (70%) and just over half (51%) aged between 15-29 years. Almost four in ten (38%) assaults were recorded as occurring in a public place and almost one fifth (19%) were recorded as occurring in the home (**Table 5**). **Table 6** gives the geographical location of assault incidents. Almost three in ten assault incidents (28%) were reported to have occurred in Birkenhead centre. The majority (60%) of assault victims reported being attacked by one attacker (**Table 7**).

Figure 3 gives detail on whether or not the attendee 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, 49% of attendees reported that they had consumed alcohol.

Table 8 presents details of the injury group for the age groups of 0-4 years and 60 years plus. The majority of injuries in both age groups were reported as falls (0-4 years = 54%; 60 plus years = 72%). **Table 9** presents a breakdown of specific injury location for falls attendees within these age groups. Three in ten (30%) 0-4 year olds were reported as falling in a public place, whilst almost a quarter (24%) were reported as falling in the home living/dining room. For the 60 years plus age group, falls were reported as most prevalent in a public place (39%) and 17% of falls were reported to have occurred in the home bedroom.

Figure 1: Gender of injury attendances by month, July 2011 to June 2012¹

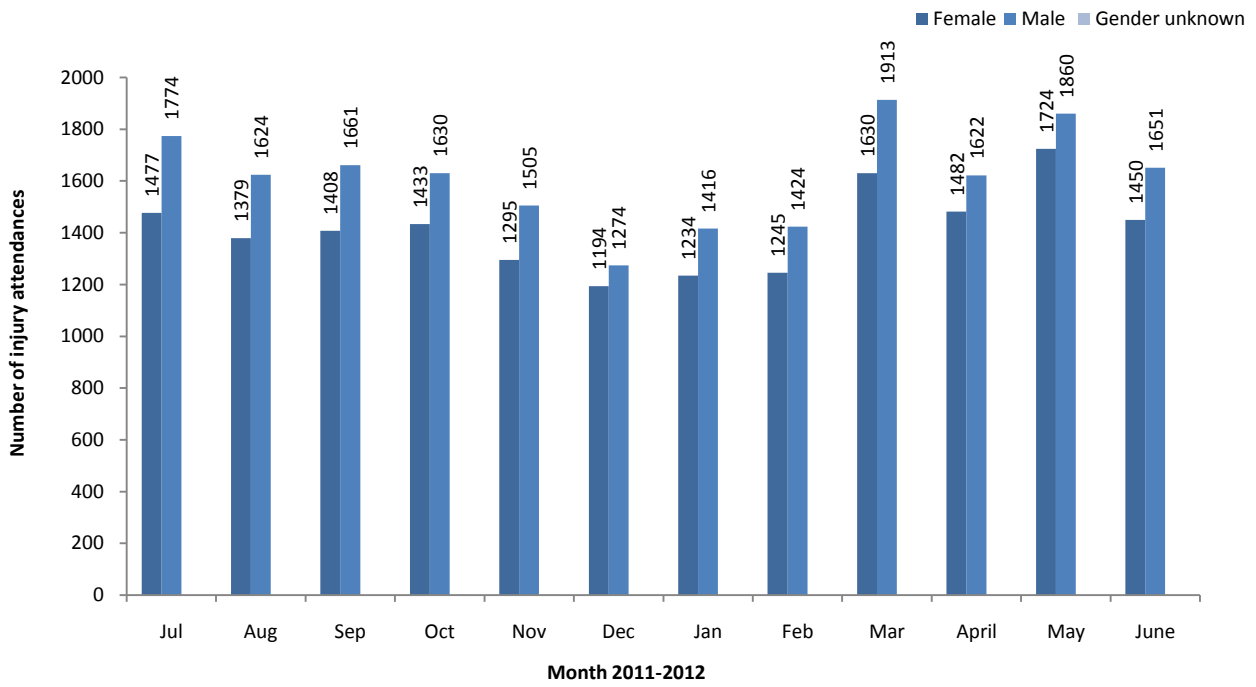
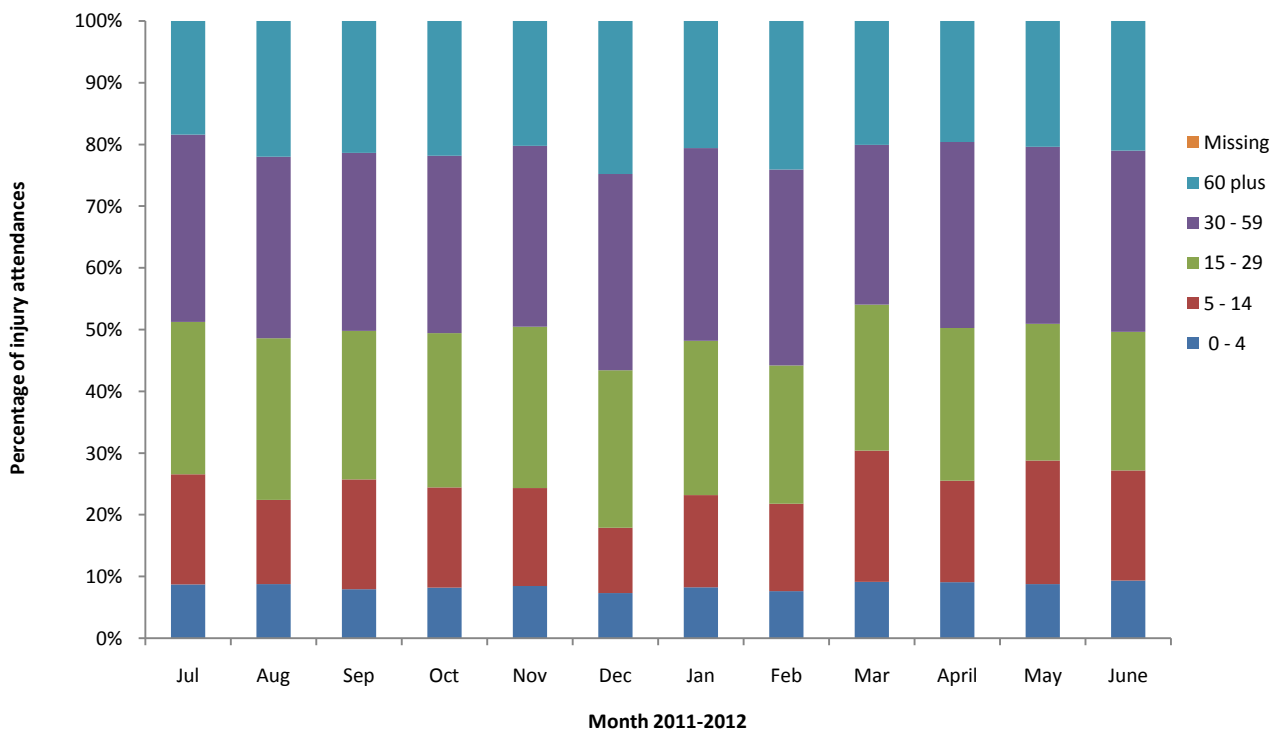


Figure 2: Age group of injury attendances by month, July 2011 to June 2012



¹ Please note that values for October and December 2011 include one case in each month where gender was not recorded.

Table 1: Injury attendances by injury group, July 2011 to June 2012^{2,3*}

Injury Group	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Fall	1446	1333	1335	1267	1100	1132	1075	1248	1533	1341	1583	1341	15734	43
Other accident	468	407	433	432	389	291	434	302	512	467	596	520	5251	14
Struck	342	305	305	287	321	247	285	308	437	386	448	362	4033	11
Sports injury	234	211	333	338	325	126	201	188	355	226	224	155	2916	8
Wound or cut	243	250	191	229	195	195	168	188	243	213	272	256	2643	7
Road traffic collision	233	221	208	214	189	206	201	177	208	186	186	184	2413	7
Assault	142	142	106	148	120	146	135	122	103	126	115	116	1521	4
Deliberate self harm	54	52	73	76	79	58	77	64	73	71	65	73	815	2
Burn/scald	26	28	31	23	34	30	25	25	31	34	41	36	364	1
Bite	41	30	33	30	23	20	23	33	29	29	31	28	350	1
Ingestion	15	17	13	12	12	10	19	10	14	13	19	21	175	0
Inhalation	***	***	***	***	***	***	***	***	***	***	***	***	78	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	13	0
Total	3251	3003	3069	3064	2801	2468	2650	2669	3543	3104	3584	3101	36307	100

*Please note there was one case in this period where the injury group was unknown, this is included in the total.

Table 2: Injury attendances by source of referral, July 2011 to June 2012*

Source of referral	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Self referral	3066	2770	2921	2864	2647	2334	2504	2561	3329	2915	3318	2910	34139	94
Other	59	58	51	24	41	32	39	66	162	133	213	148	1026	3
Emergency services	93	134	65	137	78	69	77	14	13	7	6	9	702	2
Police	7	14	10	12	12	13	12	13	6	25	13	15	152	0
GP	14	15	13	16	12	9	5	7	17	13	18	10	149	0
Health care provider	8	7	5	5	5	***	***	5	7	***	7	6	66	0
Educational establishment	***	***	***	***	***	***	6	***	7	***	***	***	33	0
Work	***	***	***	***	***	5	***	***	***	***	***	***	19	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	15	0
Community dental service	***	***	***	***	***	***	***	***	***	***	***	***	5	0
Local authority	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Walk in centre	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3251	3003	3069	3064	2801	2468	2650	2669	3543	3104	3584	3101	36307	100

*GP = General Practitioner

Table 3: Injury attendances by location of incident, July 2011 to June 2012

Incident location	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Public place	1509	1458	1375	1254	1135	1000	1033	1166	1477	1363	1530	1325	15625	43
Home	958	925	908	929	868	855	885	867	1081	1004	1192	1065	11537	32
Other	450	418	355	424	333	374	347	316	357	358	343	353	4428	12
Sport	103	92	165	204	182	89	126	114	214	163	146	127	1725	5
Educational establishment	126	***	174	128	173	61	164	123	300	105	227	119	1702	5
Workplace	94	94	85	104	99	85	86	79	104	103	137	108	1178	3
Unknown	***	***	***	***	8	***	7	***	5	***	7	***	57	0
Sea/waterway	8	9	***	10	***	***	***	***	***	***	***	***	44	0
Road traffic collision	***	***	***	***	***	***	***	***	***	***	***	***	11	0
Total	3251	3003	3069	3064	2801	2468	2650	2669	3543	3104	3584	3101	36307	100

² Please note that in all tables all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.

³ Please note that for all tables, percentages may not add up to 100 due to rounding.

Table 4: Injury attendances by discharge method, July 2011 to June 2012*

Discharge method	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Discharged - no follow-up	1638	1518	1570	1486	1389	1256	1340	1330	1924	1564	1834	1628	18477	51
Admitted	402	365	407	450	419	366	359	381	422	390	415	369	4745	13
Discharged - fracture clinic	376	346	355	323	264	202	228	248	346	316	367	323	3694	10
Discharged - GP follow-up	232	253	221	252	208	209	253	228	249	240	258	244	2847	8
Discharged - other	142	117	133	134	114	97	132	130	152	160	147	138	1596	4
Discharged - GP nurse	115	113	68	98	85	71	65	81	96	82	113	83	1070	3
Left dept before assessment	135	66	70	82	76	82	63	53	77	79	138	83	1004	3
Discharged - adult ED clinic	62	75	66	75	73	62	77	92	89	106	118	90	985	3
Discharged - paediatric ED	28	33	49	39	48	20	32	27	75	51	60	36	498	1
Discharged - ear, nose and throat	27	30	28	32	37	29	24	34	38	31	36	30	376	1
Discharged - maxillary/facial	29	28	27	22	22	13	21	15	17	26	29	22	271	1
Left dept	20	16	18	28	23	27	20	18	14	29	25	17	255	1
Transferred to other healthcare provider	17	15	20	18	11	21	14	10	16	10	21	15	188	1
Discharged - walk-in centre	15	12	20	10	19	7	14	8	9	12	13	13	152	0
Discharged - physiotherapy	10	15	16	13	13	6	7	14	18	8	7	8	135	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Died in department	***	***	***	***	***	***	***	***	***	***	***	***	6	0
Admitted to ED assess ward	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Dead on arrival	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred- other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred to fracture clinic	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3251	3003	3069	3064	2801	2468	2650	2669	3543	3104	3584	3101	36307	100

*GP=General Practitioner

Table 5: Assault attendances by location of assault, July 2011 to June 2012

Assault location	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Public space	50	60	52	48	44	46	47	48	41	55	46	33	570	38
Home	27	24	16	26	26	21	28	24	23	30	22	20	287	19
Street/road	25	16	14	25	23	24	16	16	13	17	18	38	245	16
Public house	9	8	***	7	5	16	13	12	8	8	***	5	97	6
Other	11	6	5	6	5	16	6	***	6	***	***	6	79	4
Night club	***	5	8	***	5	8	***	8	***	***	5	7	58	4
Public park	6	7	***	14	***	6	***	***	***	***	***	***	52	3
Workplace	***	9	***	***	5	***	***	***	***	***	8	***	42	3
Unknown	***	***	***	6	***	***	7	***	***	***	***	***	19	1
School	***	***	***	***	***	***	***	***	***	***	5	***	18	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Leisure facility	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	10	1
Car park	***	***	***	***	***	***	***	***	***	***	***	***	8	1
On public transport	***	***	***	***	***	***	***	***	***	***	***	***	6	0
Shops	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	142	142	106	148	120	146	135	122	103	126	115	116	1521	100

Table 6: Assault attendances by geographical location of assault, July 2011 to June 2012

Geographical assault location	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Birkenhead centre	31	41	35	43	35	38	49	38	25	28	28	36	427	28
Wallasey-Seacombe	8	15	10	17	14	17	10	14	17	24	24	8	178	12
Bidston-Prenton-Oxton	14	11	11	13	14	11	14	11	9	16	7	6	137	9
New Ferry-Rock Ferry	13	10	8	7	7	5	7	6	15	10	8	12	108	7
Moreton-Leasowe	18	8	6	***	10	14	10	9	***	7	***	5	99	7
Other	7	13	5	12	8	***	***	10	6	5	9	12	95	6
Greasby-Upton-Arrowe Park	10	7	7	8	10	10	6	8	6	***	***	8	88	6
Liverpool city centre	8	7	7	8	11	15	***	***	5	6	5	6	87	6
Bromborough-Eastham	6	***	8	***	***	9	8	7	6	5	***	7	67	4
Bebington	5	7	***	9	***	***	***	***	***	5	5	***	46	3
New Brighton	***	5	***	5	***	***	***	***	***	6	***	***	40	3
Heswall-Pensby-Thingwall	***	8	***	***	***	6	***	***	***	***	8	***	38	2
West Kirby	***	***	***	***	***	***	***	***	***	***	5	***	24	2
Meols-Frankby-Hoylake	***	***	***	***	***	6	***	***	***	***	***	***	23	2
Neston-Parkgate	***	***	***	***	***	***	***	***	***	***	***	***	21	1
Unknown	***	***	***	6	***	***	7	***	***	***	***	***	20	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	14	1
Ellesmere Port-Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	8	1
Hooton	***	***	***	***	***	***	***	***	***	***	***	***	***	0
TOTAL	142	142	106	148	120	146	135	122	103	126	115	116	1521	100

Table 7: Assault attendances by number of attackers, July 2011 to June 2012

Number of attackers	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
1 attacker	91	91	77	80	77	76	77	73	65	67	77	57	908	60
More than 2	22	32	19	33	25	44	24	27	20	40	21	33	340	22
2 attackers	14	11	***	17	6	15	19	12	8	5	***	19	138	9
Unknown	15	8	***	18	12	11	15	10	10	14	***	7	135	9
Total	142	142	106	148	120	146	135	122	103	126	115	116	1521	100

Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, July 2011 to June 2012

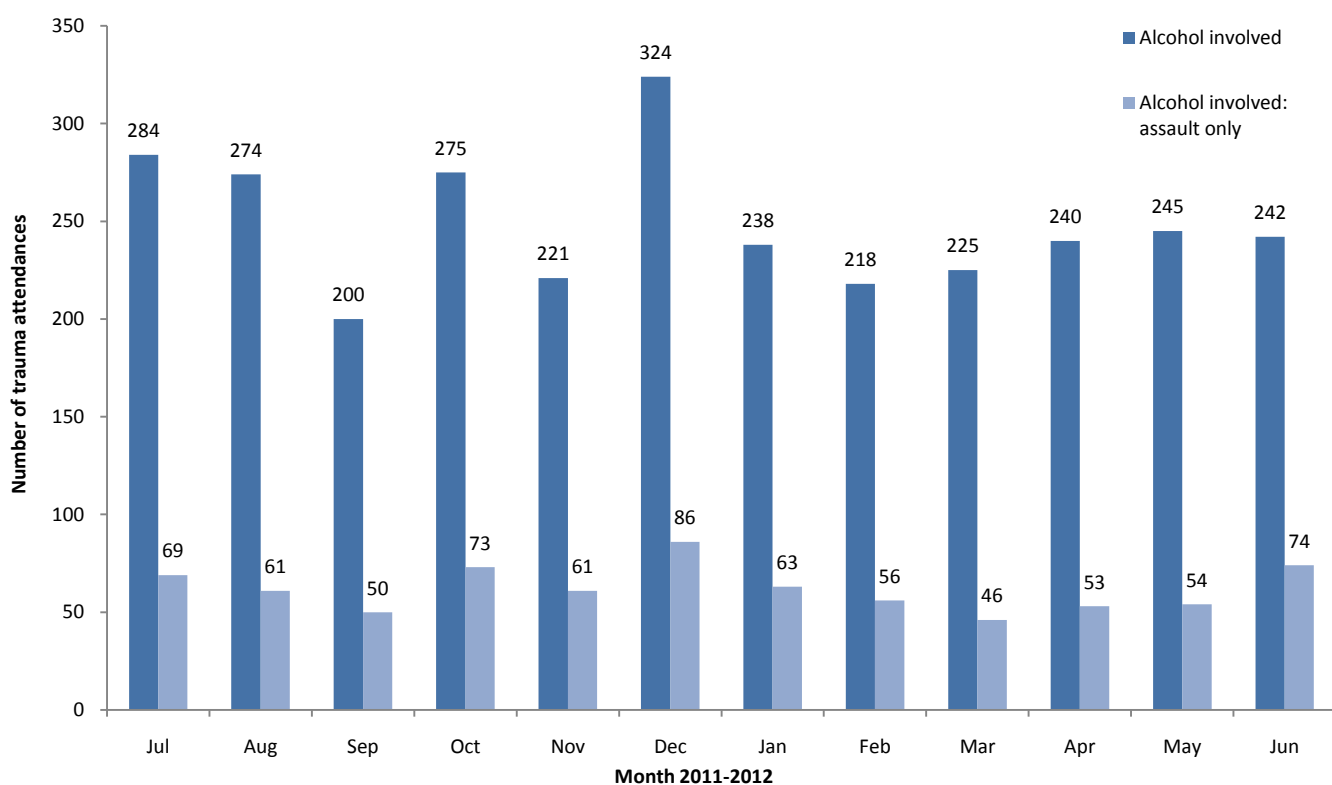


Table 8: Injury group of attendees aged 0-4 and 60 years plus only, July 2011 to June 2012

Injury group	0-4		60 plus	
	N	%	N	%
Assault	***	0	38	0
Bite	26	1	42	1
Burn	65	2	42	1
Drown/immersion	***	0	***	0
Deliberate self-harm	***	0	46	1
Electrical	***	0	***	0
Fall	1662	54	5520	72
Firearm	***	0	***	0
Firework	***	0	***	0
Glass	***	0	***	0
Ingestion	99	3	18	0
Inhalation	***	0	13	0
Non-drown asphyxia	***	0	***	0
Non-fire burn/scald	***	0	***	0
Other	572	19	825	11
Road traffic collision	100	3	220	3
Sports injury	***	0	29	0
Stab	***	0	***	0
Struck	342	11	375	5
Wound or Cut	211	7	476	6
Total	3089	100	7652	100

Table 9: Incident location for falls attendees ages 0-4 and 60 plus years only, July 2011 to June 2012

Incident location	0-4		60 plus	
	N	%	N	%
School classroom	29	2	***	0
School grounds/field	45	3	***	0
School other	9	1	***	0
Home bathroom	22	1	302	6
Home bedroom	173	10	925	17
Home garage/workshop	5	0	27	0
Home hall	48	3	191	4
Home living/dining room	403	24	847	16
Home stairs	137	8	255	5
Home other	30	2	212	4
Home unknown	8	0	22	0
Home garden	104	6	249	5
Home kitchen	72	4	172	3
Other	78	5	101	2
Public place	503	30	2100	39
Road traffic collision	***	0	***	0
Sea/waterway	***	0	***	0
Sport	***	0	***	0
Workplace	***	0	17	0
Total	1669	100	5431	100

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