

Arrowe Park Emergency Department Monthly Bulletin: April 2010 to March 2011

This bulletin provides a breakdown of a total of 35,283 injury attendances at Arrowe Park Hospital Emergency Department (ED) between March 2010 and April 2011. Injury attendances peaked in September 2010 (n=3,335), with December 2010 and January 2011 (n=2,565 per month) 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 (54%). **Figure 2** presents the age group of injury attendances. Across the whole year, injury attendances were highest for individuals aged 30-59 years (29%).

Table 1 details the injury group of injury attendances. Falls were the most prevalent cause of injury, accounting for over four in ten (44%) attendances. Over one in ten (12%) injury attendances were classed 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. Almost four in ten (38%) injury locations were recorded as having occurred in a public place, while almost three in ten (27%) incidents were recorded as having occurred in the home.

Table 4 shows the discharge destination of injury attendances. The majority (55%) of attendees were discharged without requiring any follow-up, whilst just over one in ten (13%) attendees were admitted.

Assault attendees presenting at Arrowe Park ED between April 2010 and March 2011 were mainly

male (68%) and over half (55%) of assault attendees were aged between 15 and 29 years. Almost a third (32%) of assaults were recorded as occurring in a public place and almost a quarter (24%) were recorded as occurring on a street/road (**Table 5**). **Table 6** gives the geographical location of assault incidents. Almost a quarter of assault incidents (24%) were reported to have occurred Birkenhead centre. Almost half (47%) 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 (90%) had not consumed alcohol; however for victims of assault, equal numbers (47%) had consumed alcohol compared to those who had not.

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 = 55%; 60 plus years = 74%). **Table 9** presents a breakdown of specific injury location for falls attendees within these target age groups. Almost three in ten (27%) 0-4 year olds were reported as falling in a public place, whilst one-fifth (20%) were reported as falling in a home living/dining room. For the 60 years plus age group, falls were reported as most prevalent in a public place (38%) and over one in ten falls were reported to have occurred in the home bedroom.

Figure 1: Gender of injury attendances by month, April 2010 to March 2011¹

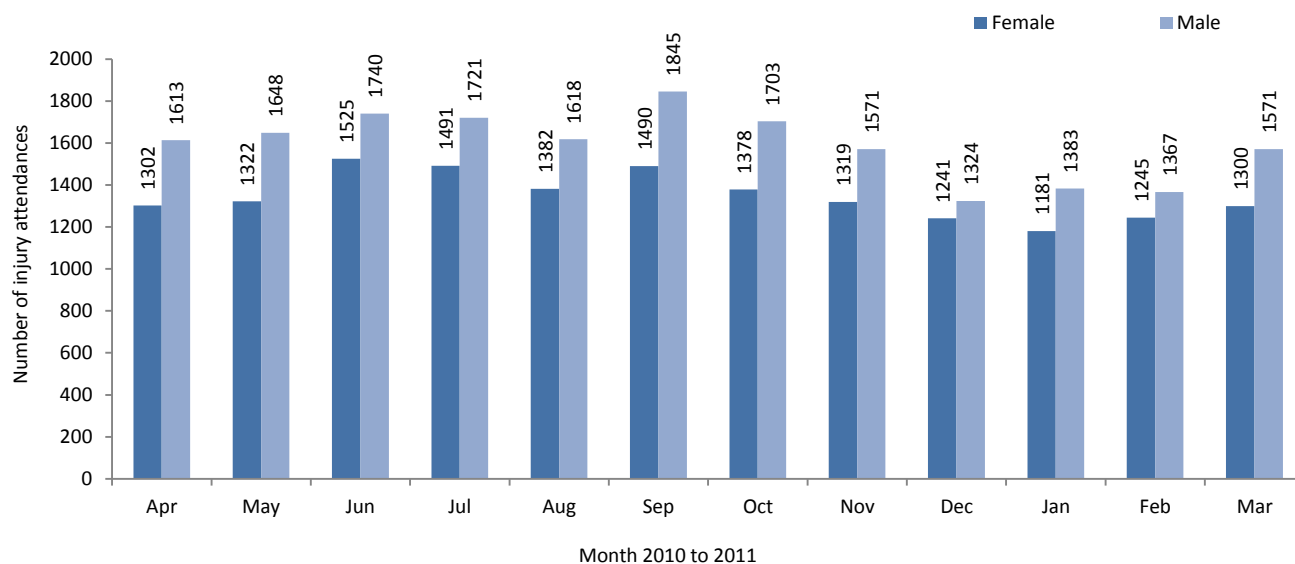


Figure 2: Age group of injury attendances by month, April 2010 to March 2011

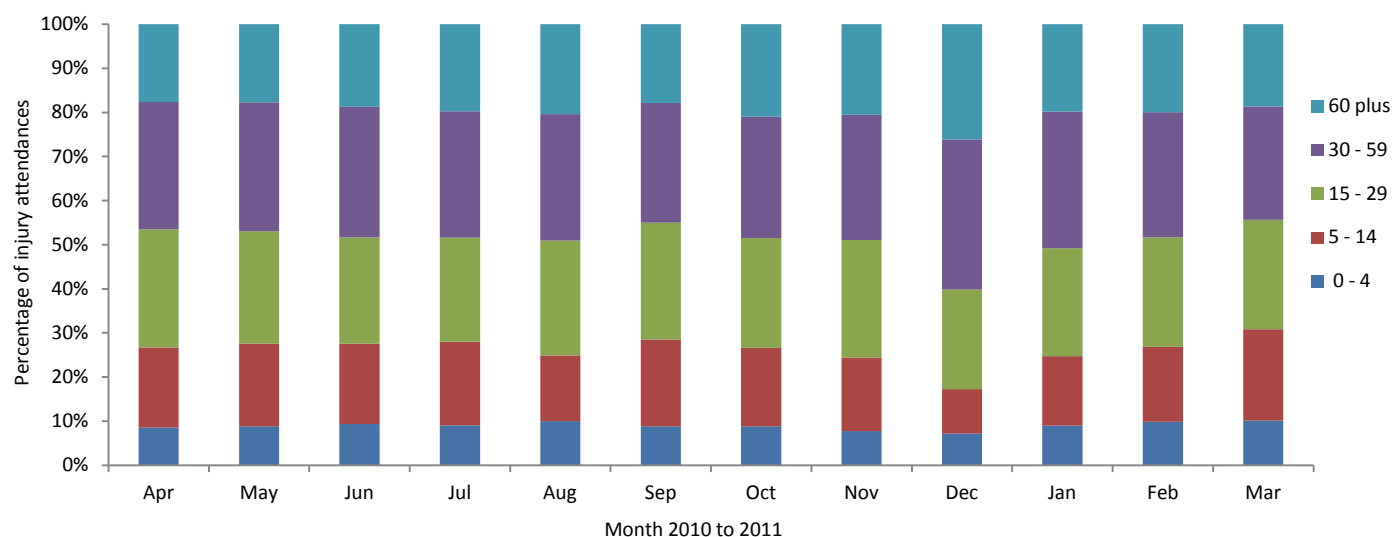


Table 1: Injury attendances by injury group, April 2010 to March 2011²

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	1284	1275	1533	1470	1407	1399	1293	1182	1414	1048	1103	1196	15604	44
Other injury	264	301	400	384	288	474	369	340	293	388	355	348	4204	12
Struck	426	419	297	427	352	356	356	339	187	275	275	321	4030	11
Road traffic accident	254	260	261	253	214	275	243	297	225	194	200	232	2908	8
Sports injury	151	109	213	208	217	329	319	324	88	256	254	339	2807	8
Wound/cut	213	238	205	202	231	240	208	176	128	161	179	167	2348	7
Assault	129	158	174	120	148	120	142	94	118	134	129	150	1616	5
Deliberate self-harm	81	101	78	62	54	56	46	53	43	51	46	47	718	2
Burn/scald	30	32	29	28	35	33	44	42	31	21	29	41	395	1
Bite	37	37	32	36	31	28	33	26	21	11	22	16	330	1
Ingestion	31	32	33	15	17	22	23	12	13	20	10	10	238	1
Inhalation	7	***	***	***	***	***	***	***	***	***	***	***	46	0
Non fire burn/scald	8	***	***	***	***	***	***	***	***	***	***	***	39	0
Total	2915	2970	3265	3212	3000	3335	3081	2892	2565	2565	2612	2871	35283	100

¹ Please note that values for January 2011 include one case where gender was not recorded.

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.

Table 2: Injury attendances by source of referral, April 2010 to March 2011*

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Self-referral	2673	2751	3064	3050	2801	3155	2871	2730	2365	2423	2452	2721	33056	94
Emergency services	82	73	86	60	137	87	102	74	121	68	87	80	1057	3
Other	87	102	30	43	23	41	59	40	31	33	42	41	572	2
Police	9	10	44	25	20	20	21	13	23	15	8	15	223	1
Health care provider	12	12	20	***	5	9	10	15	13	12	11	***	125	0
GP	14	14	9	19	***	14	8	8	7	8	9	7	121	0
Educational establishment	***	***	8	8	8	9	6	9	***	6	***	***	69	0
Walk in centre	32	***	***	***	***	***	***	***	***	***	***	***	32	0
Work	***	***	***	***	***	***	***	***	***	***	***	***	15	0
Local authority	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Community dental service	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	2915	2970	3265	3212	3000	3335	3081	2892	2565	2565	2612	2871	35283	100

*GP = General Practitioner

Table 3: Injury attendances by location of incident, April 2010 to March 2011³

Incident location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public place	***	1156	1260	1531	1391	1371	1244	1137	1255	989	1094	1153	13581	38
Home	***	860	1085	869	810	953	874	843	751	813	817	814	9489	27
Other	***	228	558	511	622	561	542	505	385	427	255	434	5028	14
Unknown	2915	***	***	***	***	***	***	***	***	***	***	***	2926	8
Educational establishment	***	113	139	141	***	201	172	177	74	184	186	239	1627	5
Sport	***	233	85	87	117	163	147	135	37	96	123	168	1391	4
Workplace	***	114	128	64	49	77	94	90	57	55	86	57	871	2
Road traffic collision	***	260	***	***	***	***	***	***	6	***	48	***	318	1
Sea/waterway	***	6	8	8	9	9	5	***	***	***	***	***	52	0
Total	2915	2970	3265	3212	3000	3335	3081	2892	2565	2565	2612	2871	35283	100

³ Unknown values for April 2010 are uncharacteristically high due to a change in data collection systems from May 2010.

Table 4: Injury attendances by discharge destination, April 2010 to March 2011

Discharge method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged - no follow-up	2501	1876	1639	1606	1530	1648	1610	1534	1168	1255	1405	1534	19306	55
Admitted	414	439	393	396	384	395	382	338	391	338	305	359	4534	13
Discharged - fracture clinic	***	***	317	337	331	360	336	317	362	305	279	333	3277	9
Discharged - GP follow-up	***	***	278	344	210	324	228	229	249	269	197	160	2488	7
Discharged - other	***	118	106	102	74	148	121	133	107	102	86	100	1197	3
Left dept before assessment	***	***	117	61	81	113	89	84	75	60	57	79	816	2
Discharged - adult ED clinic	***	***	87	84	89	74	60	55	44	52	57	70	672	2
Discharged - GP nurse	***	***	88	73	78	69	81	47	40	45	53	56	630	2
Discharged - paediatric ED	***	***	50	43	43	71	52	39	13	28	48	55	442	1
Admitted to ED assess ward	***	***	28	30	27	35	38	35	29	13	20	21	276	1
Referred to fracture clinic	***	262	***	***	***	***	***	***	***	***	***	***	262	1
Other	***	11	73	55	86	21	***	***	***	***	***	***	246	1
Discharged - ear, nose and throat	***	***	21	28	21	25	32	19	12	32	29	21	240	1
Left department	***	82	20	9	8	13	9	13	25	19	14	18	230	1
Transferred to other healthcare provider	***	55	13	7	10	8	15	13	16	13	13	13	176	0
Discharged - maxillary/facial	***	***	18	14	14	15	9	20	10	16	21	21	158	0
Discharged - walk-in centre	***	***	11	21	12	9	11	13	15	8	10	14	124	0
Referred - other	***	124	***	***	***	***	***	***	***	***	***	***	124	0
Discharged - physiotherapy	***	***	6	***	***	7	6	***	9	10	17	14	75	0
Died in department	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Dead on arrival	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	2915	2970	3265	3212	3000	3335	3081	2892	2565	2565	2612	2871	35283	100

Table 5: Location of assault for assault attendances, April 2010 to March 2011

Assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public space	27	38	53	38	55	36	40	33	45	54	44	48	511	32
Street/road	46	70	42	24	32	28	33	18	18	21	24	27	383	24
Home	22	31	33	17	30	18	30	15	20	21	24	30	291	18
Public house	7	5	17	***	***	***	10	5	5	8	9	8	81	5
Public park	6	***	8	8	12	6	7	***	6	9	8	6	81	5
Other	***	***	***	6	***	8	5	***	11	***	5	***	57	4
Night club	***	***	***	7	***	***	9	5	5	***	***	8	53	3
Workplace	8	***	5	***	***	5	***	***	***	***	5	7	52	3
School	***	***	***	***	***	***	***	6	***	5	***	7	34	2
Shops	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Leisure facility	***	***	***	5	***	***	***	***	***	***	***	***	12	1
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	10	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Car park	***	***	***	***	***	***	***	***	***	***	***	***	7	0
On public transport	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	5	0
Total	129	158	174	120	148	120	142	94	118	134	129	150	1616	100

Table 6: Geographical location of assault for assault attendances, April 2010 to March 2011

Geographical assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Birkenhead centre	***	45	49	36	34	31	33	24	32	28	33	48	393	24
Wallasey-Seacombe	***	23	27	19	24	13	17	11	17	28	17	19	215	13
Other	127	***	9	7	11	6	7	9	7	10	9	***	206	13
Bidston-Prenton-Oxton	***	14	23	13	16	14	12	8	17	16	12	14	159	10
Greasby-Upton-Arrowe Park	***	7	13	8	7	12	14	6	13	***	8	11	103	6
Liverpool city centre	***	9	9	11	11	7	8	6	8	11	***	12	96	6
New Ferry-Rock Ferry	***	10	***	9	14	6	8	8	5	6	9	6	84	5
Moreton-Leasowe	***	5	12	***	6	6	12	***	***	***	9	11	74	5
Bebington	***	7	***	***	5	***	14	***	***	6	8	***	57	4
Bromborough-Eastham	***	***	7	***	5	5	6	5	***	6	6	***	53	3
New Brighton	***	5	9	***	***	5	***	***	***	***	***	6	40	2
Heswall-Pensby-Thingwall	***	***	***	***	***	***	***	***	***	***	***	6	31	2
Refused to answer	***	12	***	***	***	***	***	***	***	***	***	***	24	1
Meols-Frankby-Hoylake	***	***	***	***	***	***	***	***	***	***	***	***	22	1
Unknown	***	5	***	***	***	***	***	***	***	***	***	***	19	1
Neston-Parkgate	***	***	***	***	***	***	***	***	***	***	***	***	17	1
West Kirby	***	***	***	***	***	***	***	***	***	***	***	***	16	1
Ellesmere Port-Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Total	129	158	174	120	148	120	142	94	118	134	129	150	1616	100

Table 7: Number of attackers for assault attendances, April 2010 to March 2011

Number of attackers	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
1 attacker	77	***	85	57	84	58	82	50	61	66	64	81	765	47
More than 2	27	***	61	35	30	37	38	24	29	33	36	34	384	24
Unknown	14	170	11	8	12	9	12	9	11	18	15	12	301	19
2 attackers	11	***	17	19	21	14	9	10	15	14	14	22	166	10
Total	129	170	174	119	147	118	141	93	116	131	129	149	1616	100

Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, April 2010 to March 2011

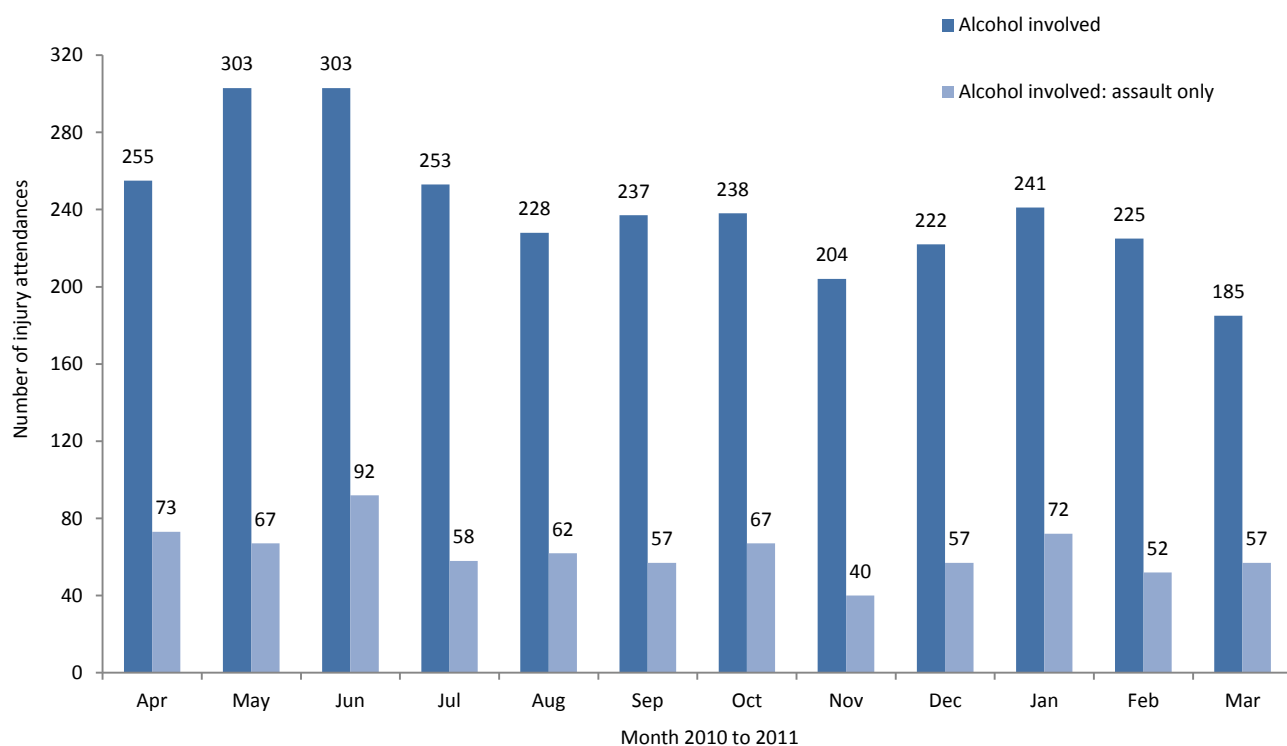


Table 8: Injury group of attendees aged 0-4 and 60 years plus only, April 2010 to March 2011

Injury group	Aged 0-4 years		Aged 60 years plus	
	N	%	N	%
Assault	***	0	25	0
Bite	32	1	46	1
Burn/scald	121	4	33	0
Deliberate self-harm	***	0	***	0
Drown/immersion	***	0	30	0
Electrical	***	0	***	0
Fall	1723	55	5180	74
Firearm	***	0	9	0
Firework	***	0	***	0
Glass	***	0	***	0
Ingestion	127	4	14	0
Inhalation	***	0	13	0
Non drown asphyxia	***	0	***	0
Non fire burn/scald	6	0	***	0
Other accident	415	13	631	9
RTA	106	3	239	3
Sports injury	16	1	44	1
Stab	***	0	***	0
Struck	391	12	312	4
Wound/cut	207	7	386	6
Total	3156	100	6969	100

Table 9: Injury location for falls attendees ages 0-4 and 60 plus years only, April 2010 to March 2011

Injury location for falls attendees	Aged 0-4 years		Aged 60 years plus	
	N	%	N	%
Unknown	129	7	359	7
School classroom	31	2	***	0
School grounds/field	53	3	***	0
School other	13	1	***	0
Home bathroom	46	3	241	5
Home bedroom	149	9	782	15
Home garden	103	6	197	4
Home kitchen	67	4	153	3
Home living/dining room	344	20	706	14
Home outside steps	7	0	54	1
Home path/driveway	10	1	56	1
Home hall	46	3	176	3
Home stairs	140	8	204	4
Home other	17	1	102	2
Home unknown	***	0	***	0
Other	102	6	130	3
Public place	459	27	1989	38
Road traffic accident	***	0	***	0
Sea/waterway	***	0	5	0
Sport	***	0	***	0
Workplace	***	0	16	0
Total	1723	100	5180	100

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