

## Arrowe Park Emergency Department Monthly Bulletin: January to December 2011

This bulletin provides a breakdown of a total of 34,968 injury attendances at Arrowe Park Hospital Emergency Department (ED) between January and December 2011. Injury attendances peaked in July 2011 (n=3,251), with December (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 (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 (43%) attendances. Just over one in ten (13%) 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 (31%) 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.

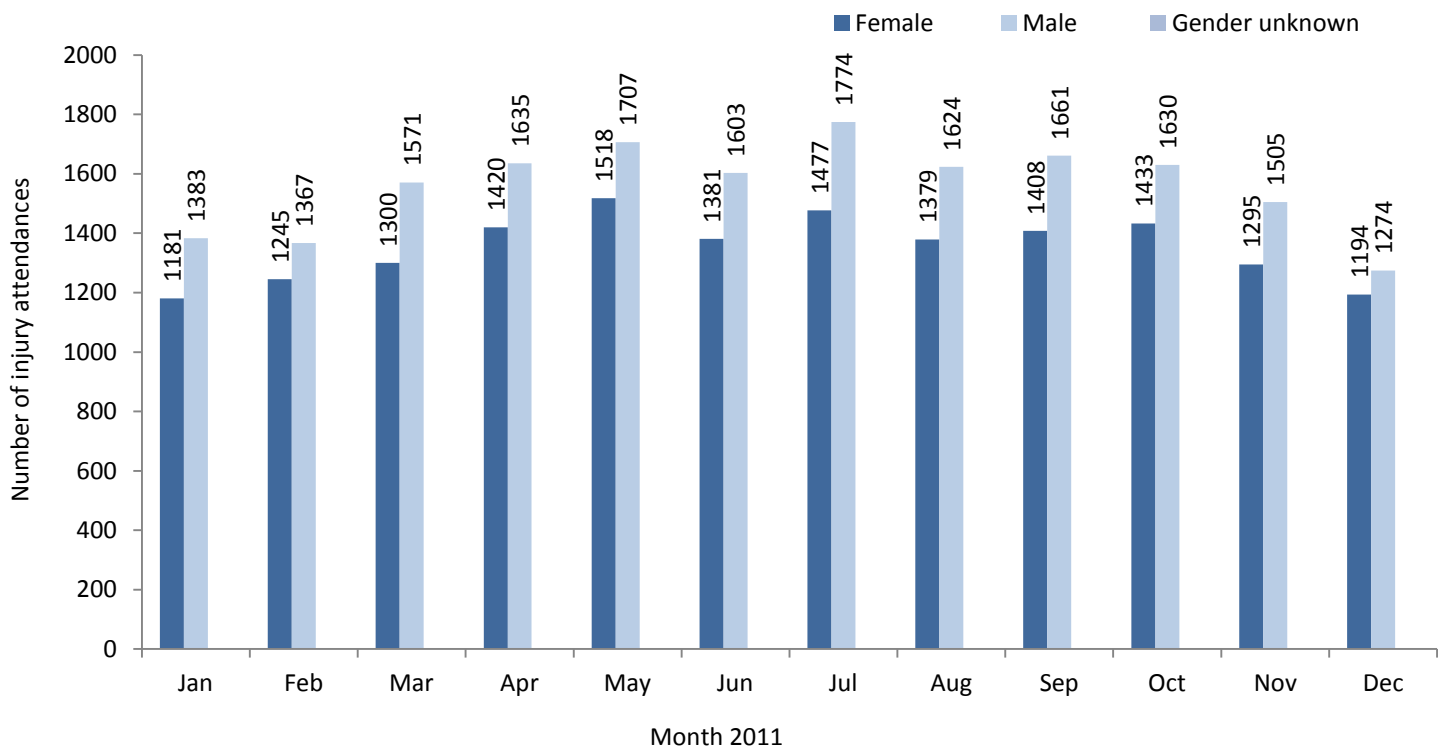
A total of 1,644 attendees presented at Arrowe Park ED in this period as a result of assault; these

attendees were mainly male (69%) and just over half (51%) aged between 15-29 years. Almost four in ten (37%) assaults were recorded as occurring in a public place and almost two in ten (17%) were recorded as occurring in the home or on a street/road (**Table 5**). **Table 6** gives the geographical location of assault incidents. Over a quarter of assault incidents (28%) were reported to have occurred in Birkenhead town centre. The majority (57%) of assault victims reported being attacked by one attacker (**Table 7**).

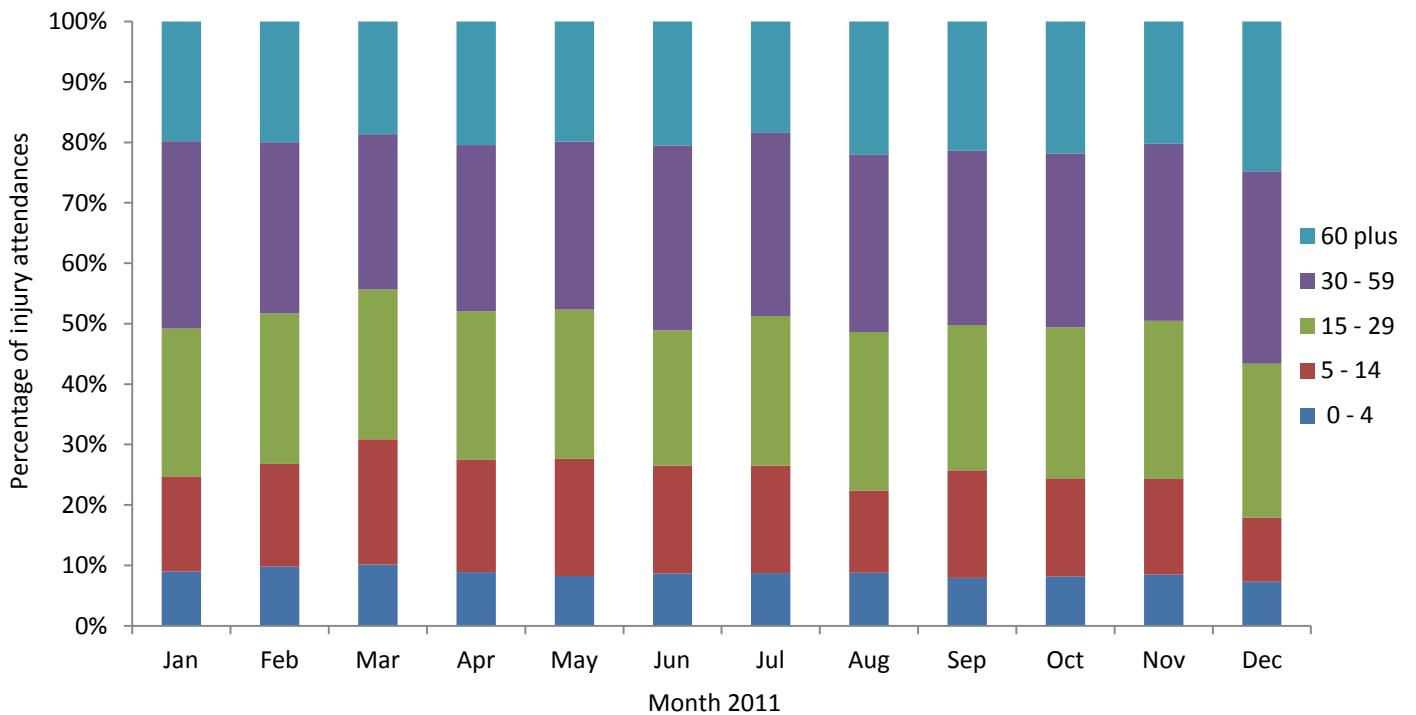
**Figure 3** gives detail on whether or not the attendee had consumed alcohol within the three hours prior to the incident. The majority of injury attendees (91%) did not answer whether they had consumed alcohol or not; however for assault attendees, numbers were equal with 47% of attendees reporting that they had not consumed alcohol and 47% reporting that they had.

**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 = 56%; 60 plus years = 74%). **Table 9** presents a breakdown of specific injury location for falls attendees within these age groups. Over a quarter (27%) 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 (37%) and almost two in ten (18%) falls were reported to have occurred in the home bedroom.

**Figure 1: Gender of injury attendances by month, January to December 2011<sup>1</sup>**



**Figure 2: Age group of injury attendances by month, January to December 2011**



<sup>1</sup> Please note that values for January, October and December 2011 include one case in each month where gender was not recorded.

**Table 1: Injury attendances by injury group, January to December 2011<sup>2,3\*</sup>**

Injury group	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Fall	1048	1103	1196	1394	1408	1326	1446	1333	1335	1267	1100	1132	15088	43
Other injury	388	355	348	313	402	408	468	407	433	432	389	291	4634	13
Struck	275	275	321	391	385	327	342	305	305	287	321	247	3781	11
Sports injury	256	254	339	251	240	224	234	211	333	338	325	126	3131	9
Road traffic collision	194	200	232	206	253	230	233	221	208	214	189	206	2586	7
Wound or cut	161	179	167	241	232	190	243	250	191	229	195	195	2473	7
Assault	134	129	150	136	154	137	142	142	106	148	120	146	1644	5
Deliberate self harm	51	46	47	53	74	59	54	52	73	76	79	58	722	2
Burn/scald	21	29	41	24	25	25	26	28	31	23	34	30	337	1
Bite	11	22	16	24	36	35	41	30	33	30	23	20	321	1
Ingestion	20	10	10	18	11	9	15	17	13	12	12	10	157	0
Inhalation	***	<10	***	***	***	<15	<10	<10	<10	<10	11	***	71	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	22	0
<b>Total</b>	<b>2565</b>	<b>2612</b>	<b>2871</b>	<b>3055</b>	<b>3225</b>	<b>2984</b>	<b>3251</b>	<b>3003</b>	<b>3069</b>	<b>3064</b>	<b>2801</b>	<b>2468</b>	<b>34968</b>	<b>100</b>

\*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, January to December 2011\***

Source of referral	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Self referral	2423	2452	2721	2887	3049	2815	3066	2770	2921	2864	2647	2334	32949	94
Emergency services	68	87	80	77	81	63	93	134	65	137	78	69	1032	3
Other	33	42	41	59	68	67	59	58	51	24	41	32	575	2
Police	15	8	15	11	11	10	7	14	10	12	12	13	138	0
GP	8	9	7	9	7	16	14	15	13	16	12	9	135	0
Health care provider	12	11	***	8	5	8	8	7	5	5	5	***	80	0
Educational establishment	6	***	***	***	***	***	***	***	***	***	***	***	36	0
Work	***	***	***	***	***	***	***	***	***	***	***	5	16	0
Community dental service	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Local authority	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Walk in centre	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
<b>Total</b>	<b>2565</b>	<b>2612</b>	<b>2871</b>	<b>3055</b>	<b>3225</b>	<b>2984</b>	<b>3251</b>	<b>3003</b>	<b>3069</b>	<b>3064</b>	<b>2801</b>	<b>2468</b>	<b>34968</b>	<b>100</b>

\*GP = General Practitioner

**Table 3: Injury attendances by location of incident, January to December 2011**

Incident location	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Public place	989	1094	1153	1311	1441	1325	1509	1458	1375	1254	1135	1000	15044	43
Home	813	817	814	957	970	864	958	925	908	929	868	855	10678	31
Other	427	255	434	422	450	418	450	418	355	424	333	374	4760	14
Educational establishment	184	186	239	110	154	176	126	***	174	128	173	<65	1713	5
Sport	96	123	168	154	120	106	103	92	165	204	182	89	1602	5
Workplace	55	86	57	93	82	86	94	94	85	104	99	85	1020	3
Road traffic collision	***	48	***	***	***	***	***	***	***	***	***	***	59	0
Unknown	***	***	***	***	6	***	***	***	***	<10	8	***	48	0
Sea/waterway	***	***	***	***	***	5	8	9	***	10	***	***	44	0
<b>Total</b>	<b>2565</b>	<b>2612</b>	<b>2871</b>	<b>3055</b>	<b>3225</b>	<b>2984</b>	<b>3251</b>	<b>3003</b>	<b>3069</b>	<b>3064</b>	<b>2801</b>	<b>2468</b>	<b>34968</b>	<b>100</b>

<sup>2</sup> 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.

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

**Table 4: Injury attendances by discharge method, January to December 2011**

Discharge method	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Discharged - no follow-up	1255	1405	1534	1619	1659	1540	1638	1518	1570	1486	1389	1256	17869	51
Admitted	338	305	359	374	430	395	402	365	407	450	419	366	4610	13
Discharged - fracture clinic	305	279	333	410	353	326	376	346	355	323	264	202	3872	11
Discharged - GP follow-up	269	197	160	206	247	255	232	253	221	252	208	209	2709	8
Discharged - other	102	86	100	107	118	126	142	117	133	134	114	97	1376	4
Left dept before assessment	60	57	79	93	103	79	135	66	70	82	76	82	982	3
Discharged - GP nurse	45	53	56	73	85	80	115	113	68	98	85	71	942	3
Discharged - adult ED clinic	52	57	70	57	69	62	62	75	66	75	73	62	780	2
Discharged - paediatric ED	28	48	55	23	42	33	28	33	49	39	48	20	446	1
Discharged - ear, nose and throat	32	29	21	22	30	21	27	30	28	32	37	29	338	1
Discharged - maxillary/facial	16	21	21	18	20	16	29	28	27	22	22	13	253	1
Left dept	19	14	18	21	24	19	20	16	18	28	23	27	247	1
Transferred to other healthcare provider	13	13	13	14	19	10	17	15	20	18	11	21	184	1
Discharged - walk-in centre	8	10	14	9	12	10	15	12	20	10	19	7	146	0
Discharged - physiotherapy	10	17	14	8	13	10	10	15	16	13	13	6	145	0
Admitted to ED assess ward	13	20	21	***	***	***	***	***	***	***	***	***	54	0
Died in department	***	***	***	***	***	***	***	***	***	***	***	***	11	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Dead on arrival	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred - other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred to fracture clinic	***	***	***	***	***	***	***	***	***	***	***	***	***	0
<b>Total</b>	<b>2565</b>	<b>2612</b>	<b>2871</b>	<b>3055</b>	<b>3225</b>	<b>2984</b>	<b>3251</b>	<b>3003</b>	<b>3069</b>	<b>3064</b>	<b>2801</b>	<b>2468</b>	<b>34968</b>	<b>100</b>

**Table 5: Assault attendances by location of assault, January to December 2011**

Assault location	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Public space	54	44	48	44	65	52	50	60	52	48	44	46	607	37
Home	21	24	30	26	20	20	27	24	16	26	26	21	281	17
Street/road	21	24	27	23	29	28	25	16	14	25	23	24	279	17
Public house	8	9	8	7	7	5	9	8	***	7	<10	16	91	6
Public park	9	8	6	7	6	11	6	7	***	14	***	6	88	5
Other	***	5	***	7	14	6	11	6	5	6	5	16	87	5
Night club	***	***	8	5	5	6	***	5	8	***	5	8	63	4
Workplace	***	5	7	5	***	***	***	9	***	***	5	***	51	3
School	5	***	7	***	***	***	***	***	***	***	***	***	22	1
Unknown	***	***	***	***	***	***	***	***	***	6	***	***	15	1
Car park	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	12	1
Leisure facility	***	***	***	***	***	***	***	***	***	***	***	***	10	1
On public transport	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Shops	***	***	***	***	***	***	***	***	***	***	***	***	<10	0
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	<10	0
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	***	0
<b>Total</b>	<b>134</b>	<b>129</b>	<b>150</b>	<b>136</b>	<b>154</b>	<b>137</b>	<b>142</b>	<b>142</b>	<b>106</b>	<b>148</b>	<b>120</b>	<b>146</b>	<b>1644</b>	<b>100</b>

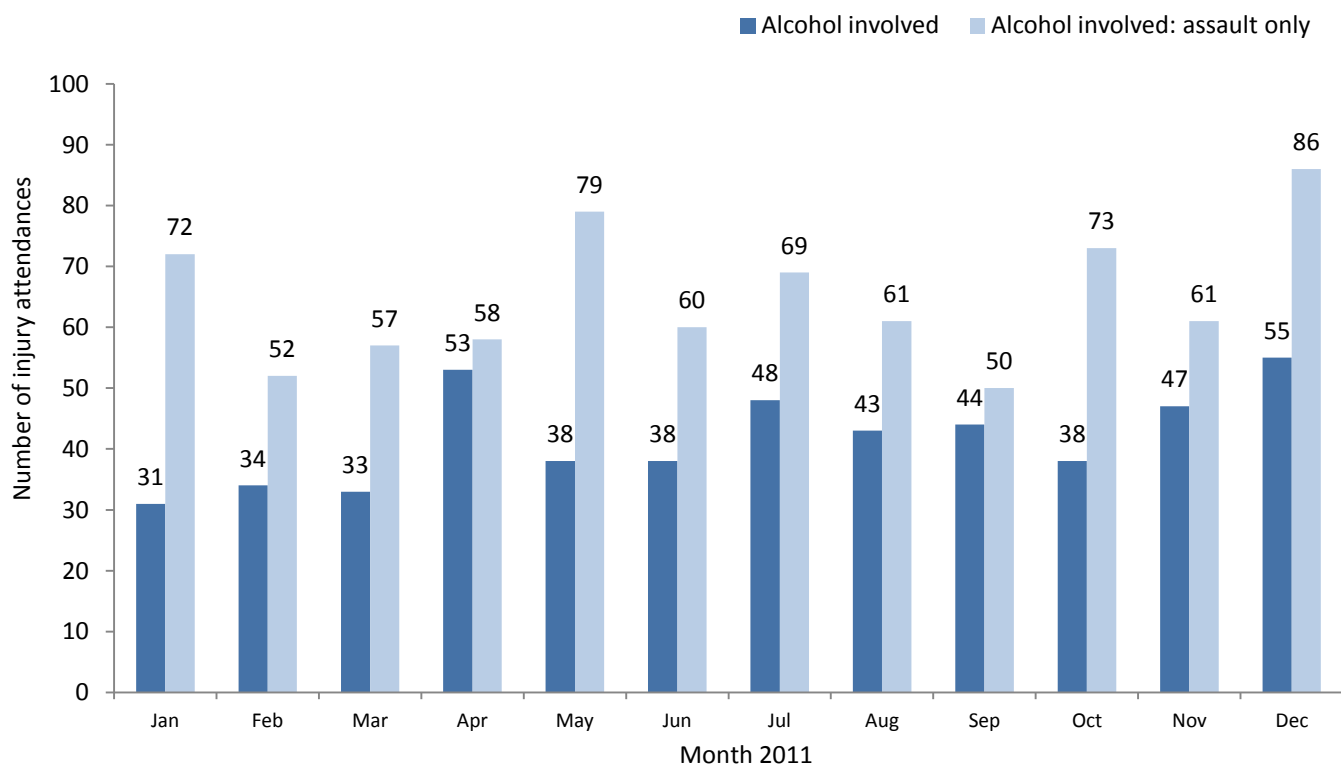
**Table 6: Assault attendances by geographical location of assault, January to December 2011**

Geographical assault location	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
Birkenhead centre	28	33	48	41	50	35	31	41	35	43	35	38	458	28
Wallasey-Seacombe	28	17	19	16	19	18	8	15	10	17	14	17	198	12
Bidston-Prenton-Oxton	16	12	14	14	10	20	14	11	11	13	14	11	160	10
Liverpool city centre	11	***	12	9	7	8	8	7	7	8	11	15	107	7
Moreton-Leasowe	***	9	11	10	7	7	18	8	6	***	10	14	107	7
New Ferry-Rock Ferry	6	9	6	7	11	12	13	10	8	7	7	5	101	6
Other	10	9	***	9	9	11	7	13	5	12	8	***	101	6
Greasby-Upton-Arrowe Park	***	8	11	6	7	7	10	7	7	8	10	10	95	6
Bromborough-Eastham	6	6	***	***	8	***	6	***	8	***	***	9	62	4
Bebington	6	8	***	***	***	***	5	7	***	9	***	***	52	3
New Brighton	***	***	6	7	7	6	***	5	***	5	***	***	51	3
Heswall-Pensby-Thingwall	***	***	6	***	***	***	***	8	***	***	***	6	43	3
Meols-Frankby-Hoylake	***	***	***	***	***	***	***	***	***	***	***	6	27	2
West Kirby	***	***	***	***	***	***	***	***	***	***	***	***	20	1
Neston-Parkgate	***	***	***	***	***	***	***	***	***	***	***	***	19	1
Unknown	***	***	***	***	***	***	***	***	***	6	***	***	16	1
Ellesmere Port-Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Hooton	***	***	***	***	***	***	***	***	***	***	***	***	1	0
<b>Total</b>	<b>134</b>	<b>129</b>	<b>150</b>	<b>136</b>	<b>154</b>	<b>137</b>	<b>142</b>	<b>142</b>	<b>106</b>	<b>148</b>	<b>120</b>	<b>146</b>	<b>1644</b>	<b>100</b>

**Table 7: Assault attendances by number of attackers, January to December 2011**

Number of attackers	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	%
1 attacker	66	64	81	70	98	73	91	91	77	80	77	76	944	57
More than 2	33	36	34	40	28	32	22	32	19	33	25	44	378	23
2 attackers	14	14	22	9	13	17	14	11	6	17	6	15	158	10
Unknown	21	15	13	17	15	15	15	8	***	6	***	***	130	8
<b>Total</b>	<b>134</b>	<b>129</b>	<b>150</b>	<b>136</b>	<b>154</b>	<b>137</b>	<b>142</b>	<b>142</b>	<b>106</b>	<b>148</b>	<b>120</b>	<b>146</b>	<b>1644</b>	<b>100</b>

**Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, January to December 2011**



**Table 8: Injury group of attendees aged 0-4 and 60 years plus only, January to December 2011**

Injury Group/age group	Aged 0-4 years		Aged 60 plus years	
	N	%	N	%
Assault	***	0	41	1
Bite	26	1	41	1
Burn	81	3	33	1
Drown/immersion	***	0	***	0
Deliberate self-harm	***	0	42	1
Electrical	***	0	***	0
Fall	1707	56	5317	74
Firearm	***	0	***	0
Firework	***	0	***	0
Glass	***	0	***	0
Ingestion	93	3	12	0
Inhalation	5	0	21	0
Non-drown asphyxia	***	0	***	0
Non fire burn/scald	***	0	***	0
Other	483	16	669	9
Road traffic collision	105	3	253	4
Sports injury	5	0	29	0
Stab	***	0	***	0
Struck	327	11	332	5
Wound or cut	194	6	398	6
<b>Total</b>	<b>3036</b>	<b>100</b>	<b>7203</b>	<b>100</b>

**Table 9: Injury location for falls attendees ages 0-4 and 60 plus years only, January to December 2011**

Injury location	Aged 0-4 years		Ages 60 plus years	
	N	%	N	%
School classroom	42	2	***	0
School grounds/field	63	4	***	0
School other	12	1	***	0
Home bathroom	25	1	278	5
Home bedroom	194	11	944	18
Home garage/workshop	9	0	21	0
Home hall	50	3	205	4
Home living/dining room	406	24	865	16
Home stairs	161	9	266	5
Home other	27	2	204	4
Home unknown	11	1	35	1
Home garden	98	6	250	5
Home kitchen	73	4	188	4
Other	72	4	86	2
Public place	461	27	1946	37
Road traffic collision	***	0	***	0
Sea/waterway	***	0	7	0
Sport	***	0	***	0
Workplace	***	0	19	0
<b>Total</b>	<b>1707</b>	<b>100</b>	<b>5317</b>	<b>100</b>

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