



**Arrowe Park Accident and Emergency department Monthly bulletin:
August 2008 to July 2009**

This bulletin provides a breakdown of all trauma¹ attendances at Arrowe Park Accident and Emergency department (AED) between August 2008 and July 2009.

Figure 1 illustrates the number of trauma attendances by month. Trauma attendance peaked in June (n=3,522), with December (n=2,592) having the fewest number.

Figure 1: Total number of trauma attendances by month, August 2008 to July 2009

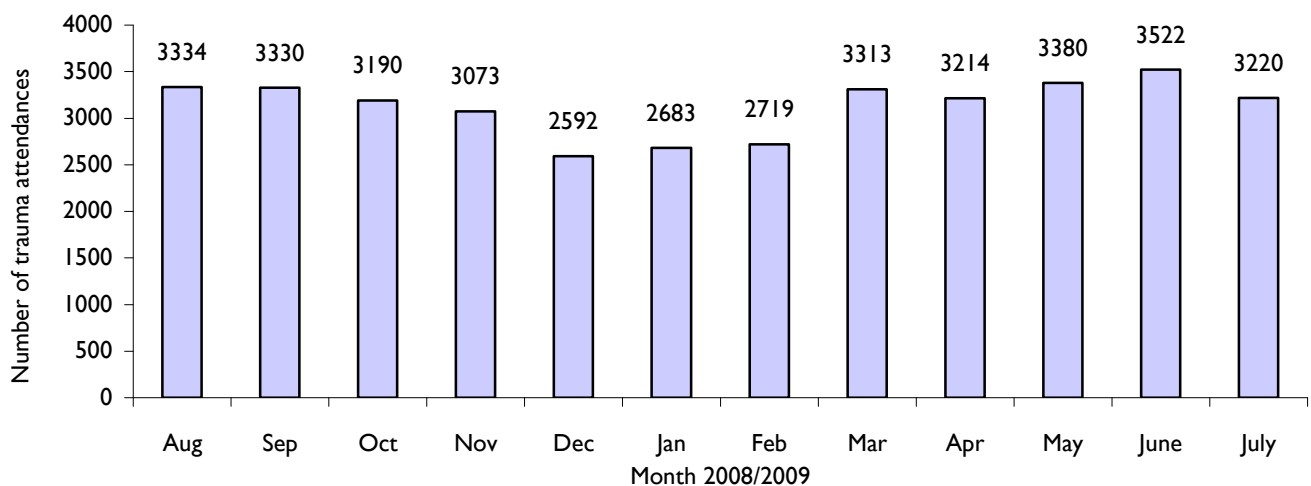


Figure 2 illustrates trauma attendances by gender. For all months there were more male (55%) trauma attendances than female presenting at Arrowe Park AED.

Figure 2: Gender of trauma attendances by month, August 2008 to July 2009

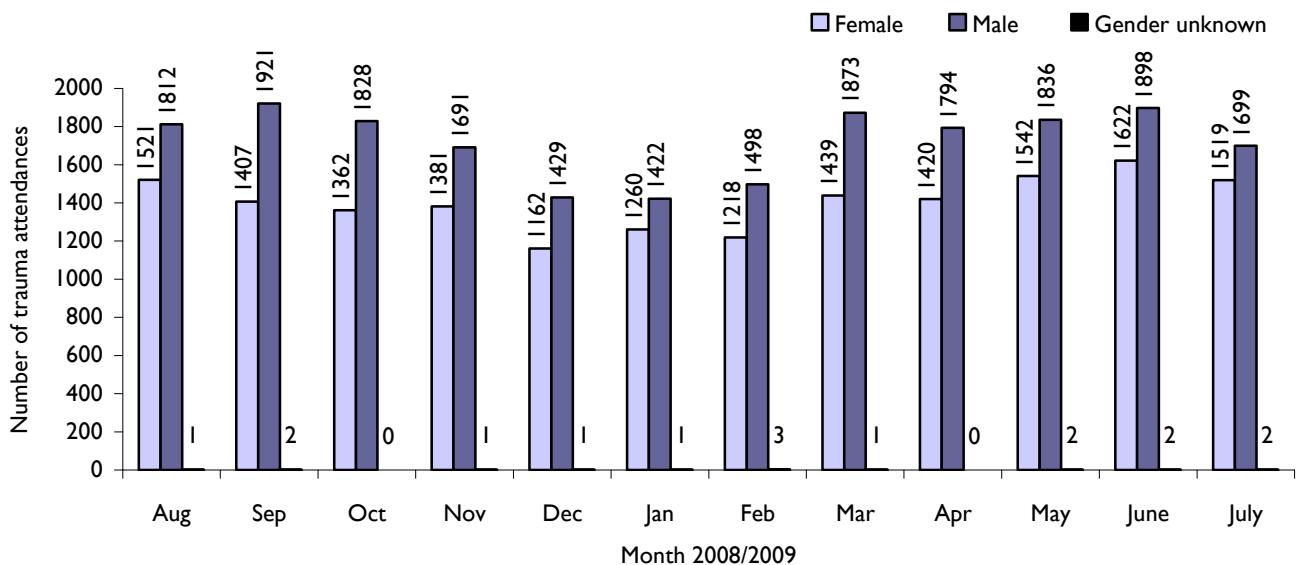


Figure 3 presents the age group of trauma attendances. Across the whole year over a quarter (27%) of trauma attendances were made by people aged 15 to 29 years.

Figure 3: Age group of trauma attendances by month, August 2008 to July 2009

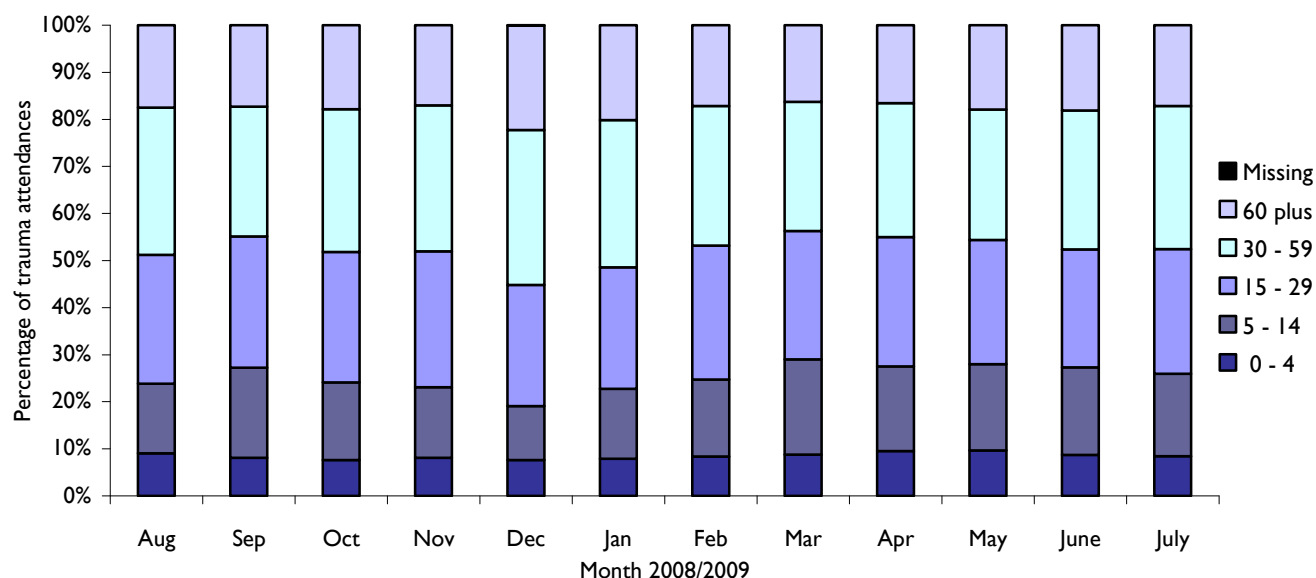


Table 1 details the injury group of trauma attendances. The most common cause of injury was by a fall, accounting for 43% of all trauma attendances.

Table 1: Trauma attendances by injury group, August 2008 to July 2009²³

Injury group	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Total	%
Fall	1428	1394	1229	1196	1109	1202	1172	1411	1396	1529	1613	1406	16085	43
Struck	477	537	488	477	308	337	412	531	482	479	452	472	5452	15
Other accident	333	307	397	306	274	263	227	258	278	313	334	321	3611	10
Road traffic accident	271	281	337	275	301	260	244	271	282	289	288	311	3410	9
Wound/cut	309	266	265	281	221	196	210	258	250	253	304	295	3108	8
Assault	189	192	162	174	167	172	163	172	221	211	218	146	2187	6
Sports injury	119	153	135	170	72	87	140	217	132	112	122	78	1537	4
Deliberate self-harm	76	77	55	76	43	75	52	71	47	67	77	44	760	2
Burn/scald	31	39	31	34	34	30	34	42	42	29	38	34	418	1
Bite	42	26	23	39	15	18	28	31	34	44	36	56	392	1
Ingestion	33	40	41	25	25	27	25	29	33	39	30	36	383	1
Inhalation	13	10	17	15	20	8	<5	7	6	8	<5	8	119	0
Non-fire burn/scald	6	<5	7	<5	<5	<5	7	8	5	<5	<5	6	58	0
Electrical	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	15	0
Glass	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	12	0
Drown/immersion	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	0
Stab	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8	0
Firearm	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Firework	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Non-drown asphyxia	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	3334	3330	3190	3073	2592	2683	2719	3313	3214	3380	3522	3220	37570	100

Table 2 shows the disposal method of trauma attendances. The majority (88%) of trauma attendances were discharged after treatment.

Table 2: Disposal method of trauma attendances, August 2008 to July 2009

Discharge method	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Total	%
Admitted	439	437	398	385	372	388	341	390	376	426	403	314	4669	12
Discharged	2895	2893	2792	2688	2220	2295	2378	2923	2838	2954	3119	2906	32901	88
Total	3334	3330	3190	3073	2592	2683	2719	3313	3214	3380	3522	3220	37570	100

Table 3 illustrates injury group of trauma attendances for the zero to four and 60 plus age groups. During August 2008 to July 2009 falls accounted for the highest group of trauma attendances for both age groups, accounting for 50% and 70% respectively.

Table 3: Trauma attendees aged 0 - 4 and 60 plus by injury group, August 2008 to July 2009

Injury group	Aged 0 - 4		Aged 60 plus	
	N	%	N	%
Assault	<5	0	35	1
Bite	34	1	46	1
Burn/scald	124	4	25	0
Drown/immersion	<5	0	<5	0
Deliberate self-harm	<5	0	39	1
Electrical	<5	0	<5	0
Fall	1607	50	4672	70
Ingestion	135	4	29	0
Inhalation	9	0	22	0
Non-fire burn/scald	9	0	<5	0
Other accident	398	12	685	10
Road traffic accident	105	3	293	4
Sports injury	<5	0	23	0
Stab	<5	0	<5	0
Struck	444	14	355	5
Wound/cut	336	10	475	7
Total	3209	100	6703	100

Table 4 shows the specific location where falls occurred for patient attendees aged zero to four and 60 plus. The primary locations for falls in the zero to four and 60 plus age group were in and around the home (56%; 51%).

Table 4: Fall attendees aged 0 - 4 and 60 plus by incident location, August 2008 to July 2009

Location specific	Aged 0 - 4		Aged 60 plus	
	N	%	N	%
Home bathroom	22	1	158	3
Home bedroom	160	10	563	12
Home cellar	<5	0	<5	0
Home conservatory	<5	0	5	0
Home garage/workshop	<5	0	9	0
Home garden	86	5	149	3
Home hall	27	2	92	2
Home kitchen	51	3	103	2
Home living/dining room	310	19	467	10
Home lofts	<5	0	5	0
Home other	72	4	491	11
Home outside steps	12	1	62	1
Home path/drive	11	1	57	1
Home stairs	147	9	208	4
Other	63	4	115	2
Public place	577	36	2128	46
School changing/cloak room	<5	0	<5	0
School classroom	14	1	<5	0
School grounds/field	32	2	<5	0
School hall	<5	0	<5	0
School other	<5	0	<5	0
Sea/waterway	<5	0	<5	0
Sport	10	1	18	0
Work	<5	0	35	1
Total	1607	100	4672	100

Table 5 illustrates the location where assaults occurred for patients presenting with assault-related injuries. The primary locations for assaults were street/road (38%), public space (22%) and domestic violence/home (17%).

Table 5: Assault attendances by general location of incident, August 2008 to July 2009

Assault location	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Total	%
Street/road	64	88	57	61	58	55	51	69	72	79	122	47	823	38
Public space	45	35	42	35	41	39	34	33	64	50	30	39	487	22
Domestic violence/home	38	23	25	29	32	27	38	26	45	31	29	26	369	17
Public house	11	12	13	11	12	18	7	15	14	14	13	<5	144	7
Night club	9	8	11	7	10	8	14	<5	<5	9	<5	<5	89	4
Public park	6	9	<5	9	<5	6	<5	<5	9	10	7	5	75	3
Work	9	<5	5	6	6	<5	7	6	6	8	<5	6	69	3
Other/unknown	<5	6	<5	5	<5	<5	6	5	<5	<5	<5	7	50	2
School	<5	<5	<5	<5	<5	5	<5	7	<5	<5	5	<5	32	1
Railway station	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	13	1
Shop/shopping centre	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	1
Leisure facility	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	0
Public transport	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	0
Bus station	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Car park	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Details withheld by patient	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Football	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Hospital	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Road/car rage	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	189	192	162	174	167	172	163	172	221	211	218	146	2187	100

Data for August 2008 to July 2009 highlighted that the primary location of assaults was Birkenhead Town Centre, accounting for 30% of assault locations. Wallasey and Seacombe accounted for 12% of assault locations during this period (Table 6).

Table 6: Assault attendances by location of incident, August 2008 to July 2009

Assault location	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Total	%
Birkenhead Town Centre	68	63	52	50	69	53	50	50	59	45	65	43	667	30
Wallasey/Seacombe	13	27	21	18	7	20	23	20	35	33	20	15	252	12
Bidston/Prenton/Oxton	8	14	13	11	20	10	12	15	21	23	21	8	176	8
New Ferry/Rock Ferry	8	15	10	16	6	14	9	14	16	11	29	13	161	7
Moreton/Leasowe	14	15	9	10	11	10	14	12	17	14	12	8	146	7
Liverpool City Centre	10	10	11	9	18	10	8	18	9	11	<5	7	125	6
Refused to answer	14	12	7	15	6	12	5	5	8	14	14	8	120	5
Greasby/Upton/Arrowe Park	12	11	7	10	9	11	7	9	10	11	8	13	118	5
Bromborough	8	6	5	5	<5	9	<5	6	<5	10	6	<5	68	3
Unknown	<5	6	<5	5	<5	7	5	6	10	<5	6	<5	62	3
Bebington	7	<5	<5	6	<5	<5	8	<5	5	9	7	5	57	3
Heswall/Pensby/Thingwall	5	<5	8	<5	<5	<5	<5	5	7	6	<5	<5	50	2
New Brighton	<5	<5	<5	7	<5	<5	<5	<5	11	<5	5	<5	49	2
Neston/Parkgate	10	<5	<5	<5	<5	<5	<5	<5	<5	7	<5	5	41	2
Meols/Frankby/Hoylake	<5	<5	<5	<5	6	<5	<5	<5	<5	<5	7	6	39	2
West Kirkby	<5	5	5	<5	<5	5	<5	<5	<5	6	5	<5	34	2
Ellesmere Port/Cheshire Oaks	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	16	1
Barnston	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Hooton	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	189	192	162	174	167	172	163	172	221	211	218	146	2187	100

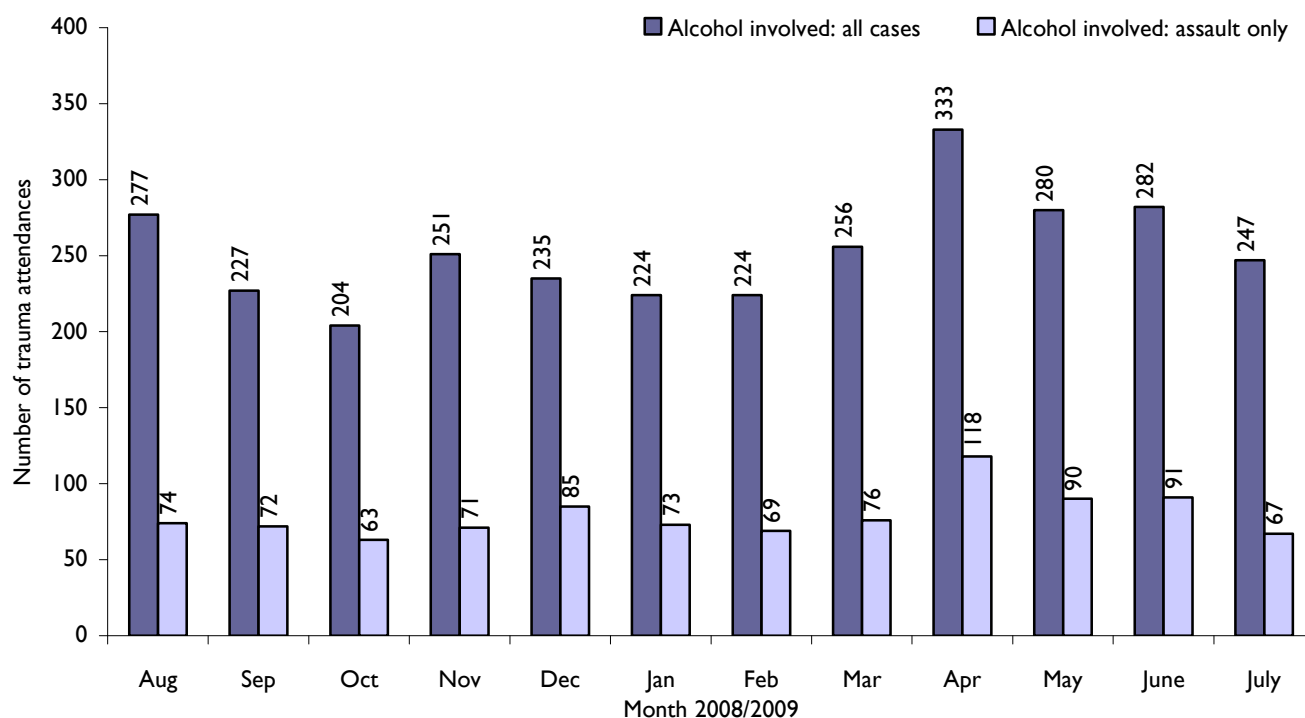
Table 7 shows the number of attackers involved in assaults leading to an AED attendance. Over half (58%) of assaults involved one attacker, yet nearly a third (30%) involved two or more attackers.

Table 7: Assault attendances by number of attackers, August 2008 to July 2009

Number of attackers	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Total	%
1 attacker	121	126	89	103	95	102	90	104	120	105	117	94	1266	58
2 Attackers	17	20	14	17	14	12	14	22	21	15	21	10	197	9
>2 Attackers	30	29	40	38	35	33	39	27	53	52	46	27	449	21
Unknown	21	17	19	16	23	25	20	19	27	39	34	15	275	13
Total	189	192	162	174	167	172	163	172	221	211	218	146	2187	100

Figure 4 shows the number of all trauma attendances and assault attendances who had been drinking prior to the incident occurring. Between August 2008 and July 2009 8% (range: 6% to 10%) of all trauma attendees had been drinking prior to the incident, compared with 43% (range: 38% to 53%) of assault attendees only.

Figure 4: Number of alcohol-related trauma attendances, all trauma and assaults only, August 2008 to July 2009



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¹Trauma refers to all AED attendances presenting as a result of an intentional or unintentional injury.
²Please note that all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number <5 in a category then two numbers will be suppressed at the next level (e.g. <10) in order to prevent back calculations from totals.
³Please note percentages August not add to one hundred due to rounding.