

Royal Liverpool Accident and Emergency Department Monthly Bulletin: October 2008 to September 2009

This bulletin provides a breakdown of all trauma¹ attendances at the Royal Liverpool Accident and Emergency department (AED) between October 2008 and September 2009.

Figure one illustrates the number of trauma attendances by month of attendance. Trauma attendances peaked in May (n=3,200), with August (n=2,532) having the least number of trauma attendances.

Figure 1: Total number of trauma attendances by month, October 2008 to September 2009

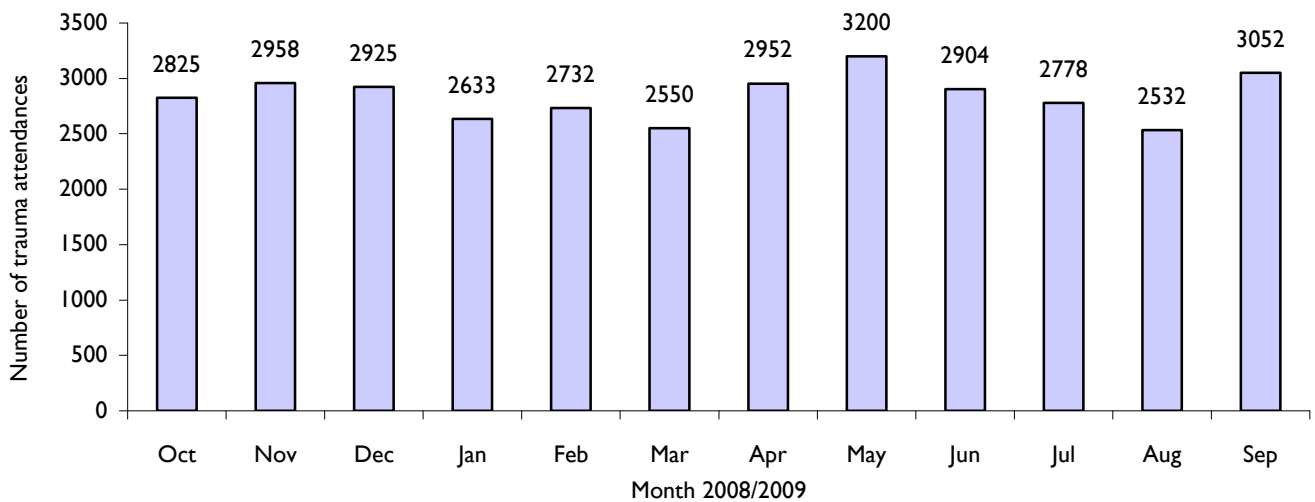


Figure two gives a breakdown of monthly trauma attendances by gender, illustrating that for all months there were more male (55%) trauma attendances than female presenting at the Royal Liverpool AED.

Figure 2: Gender of trauma attendances by month, October 2008 to September 2009

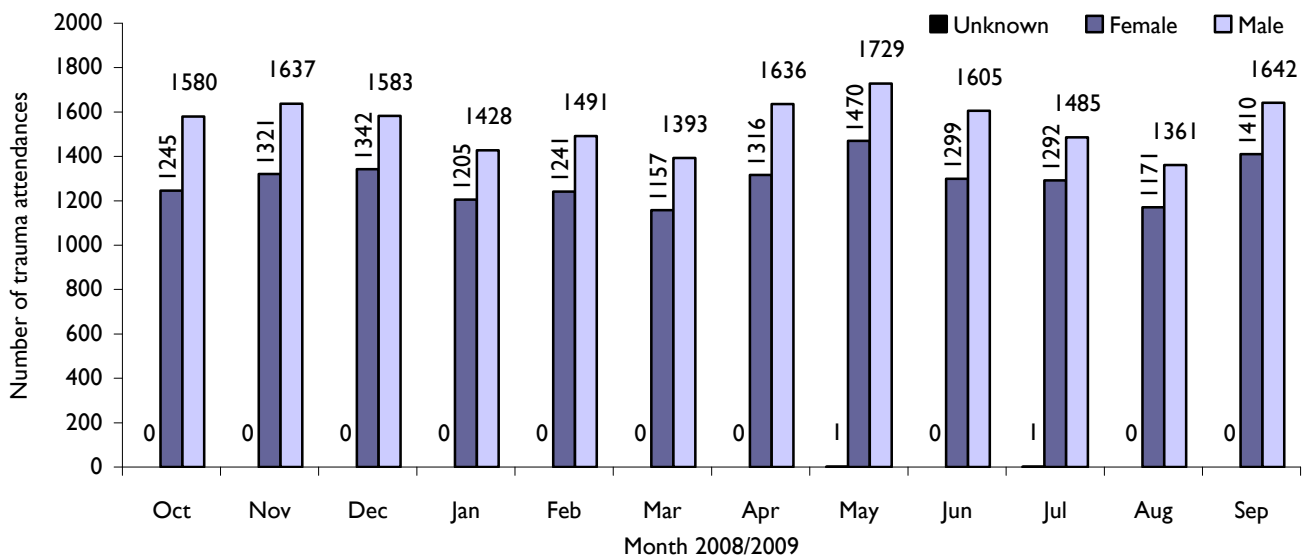


Figure three illustrates age group of trauma attendances. For all months, the vast majority of trauma attendances were made by people over the age of 14 years. The low number of trauma attendances under the age of 15 presenting at the Royal Liverpool AED could possibly be due to the close proximity of a local children's AED (Alder Hey).

Figure 3: Age group of trauma attendances by month, October 2008 to September 2009

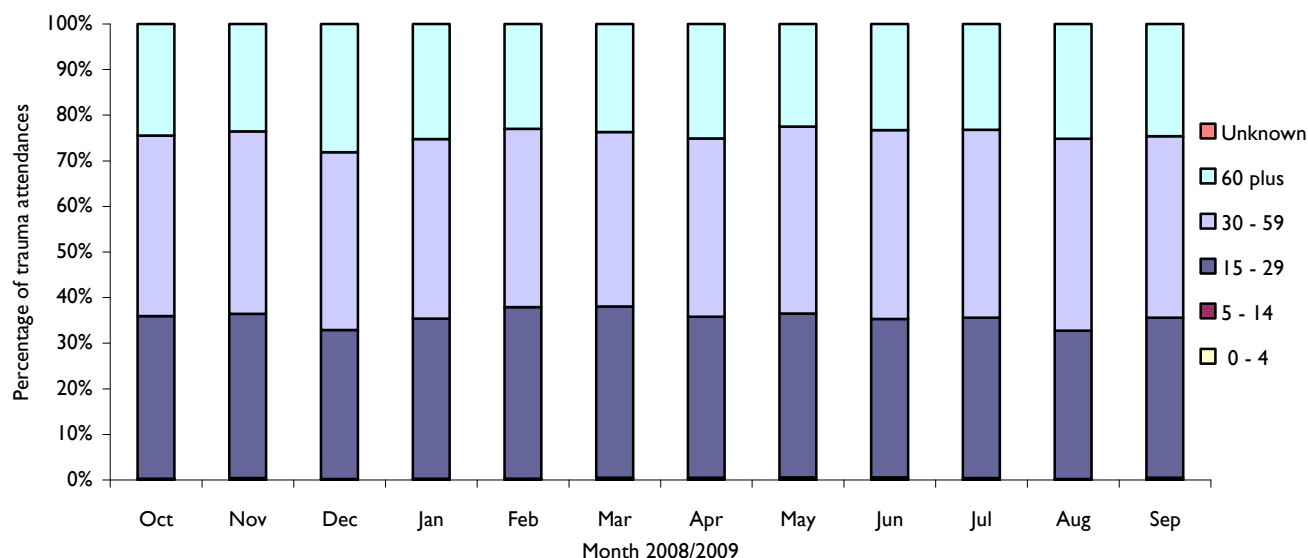


Table one details the injury group of trauma attendances. The most common form of injury leading to AED attendance was other accident, representing 70% of trauma attendances. This category includes injuries such as head injuries and arm injuries, for example.

Table 1: Trauma attendances by injury group and month, October 2008 to September 2009ⁱⁱ

Injury group	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Other accident	2003	2005	1949	1699	1901	1570	2197	2338	2157	2020	1754	2313	23906	70
Fall	324	364	411	367	296	355	292	288	264	241	245	260	3707	11
Assault	212	249	271	240	197	253	213	253	186	195	197	196	2662	8
Overdose	83	88	102	103	124	101	72	89	94	106	119	81	1162	3
Sport injury	86	94	70	77	78	144	78	97	69	99	93	97	1082	3
Road traffic accident	80	106	89	106	95	94	61	103	105	82	82	73	1076	3
Burn	21	28	15	22	27	14	19	15	24	29	28	18	260	1
Self-harm	16	24	18	18	13	19	20	17	5	6	14	14	184	1
Firework	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	2825	2958	2925	2633	2732	2550	2952	3200	2904	2778	2532	3052	34041	100

Assault questionnaire

Between July 2008 and February 2009 the extra assault questions asked at the Royal Liverpool AED were not collected due to a change in the AED IT system. This data is now available again as of March 2009, a summary of this data is contained within this report. More detailed information collected by staff at the Royal Liverpool AED on issues such as the specific location of assault (e.g. pub name/street), is provided by TIIG to local agencies such as Citysafe, in a separate report to the one produced here. For further information on this report please contact the author, whose details can be found at the end of this report.

Assault attendees presenting at the Royal Liverpool AED between October 2008 and September 2009 were mainly male (76%) and the majority (63%) were aged between 15 and 29 years of age. Table two shows that of those knownⁱⁱⁱ, 26% of assault attendances had no intention of informing the police of their attack.

Table 2: Assault attendances that have informed the police by month, October 2008 to September 2009

Informed the police?	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Unknown	-	-	-	-	-	163	153	192	165	159	173	156	1161	78
No	-	-	-	-	-	25	24	16	<5	<5	<5	11	86	6
Yes	-	-	-	-	-	65	36	45	17	34	20	29	246	16
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table three shows that where data was collected, 56% of assault attendances had consumed alcohol within three hours prior to their attack.

Table 3: Assault attendances who had consumed alcohol within three hours prior to their attack by month, October 2008 to September 2009

Alcohol consumption	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Unknown	-	-	-	-	-	163	153	192	165	159	173	156	1161	78
No	-	-	-	-	-	28	27	19	12	18	13	15	132	9
Refused to answer	-	-	-	-	-	5	<5	<5	<5	<5	<5	<5	17	1
Unable to answer	-	-	-	-	-	<5	6	<5	<5	<5	<5	<5	18	1
Yes	-	-	-	-	-	54	25	36	4	16	9	21	165	11
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table four illustrates the location where assaults occurred for patients presenting with assault-related injuries. Over three quarters (78%) of all assault locations were unknown during October 2008 to September 2009. Of those known, over half (51%) occurred on the street.

Table 4: Assault attendances by location of incident and month, October 2008 to September 2009

Assault location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Unknown	-	-	-	-	-	164	153	193	165	159	173	156	1163	78
Street	-	-	-	-	-	43	34	30	9	16	13	22	167	11
Your home	-	-	-	-	-	13	10	5	9	<5	5	<5	49	3
Bar/pub	-	-	-	-	-	16	5	10	<5	7	<5	<5	44	3
Other	-	-	-	-	-	8	<5	<5	<5	6	<5	<5	26	2
Someone else's home	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	15	1
Club	-	-	-	-	-	<5	<5	7	<5	<5	<5	<5	13	1
Refused to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	8	1
Workplace	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	5	0
Unable to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table five illustrates the number of individuals/attackers involved in the assault. During October 2008 to September 2009 information on number of attackers was not collected from the majority (72%) of assault patients. Where data was collected, half (50%) of assault patients had been assaulted by more than one person.

Table 5: Assault attendances by number of individuals involved in assault and month, October 2008 to September 2009

Number of attackers	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
1	-	-	-	-	-	40	25	25	12	12	12	21	147	13
2	-	-	-	-	-	11	10	10	<5	7	6	5	51	4
3	-	-	-	-	-	11	6	<5	<5	<5	<5	<5	27	3
4	-	-	-	-	-	6	<5	7	<5	5	<5	<5	24	2
5 plus	-	-	-	-	-	9	10	12	<5	8	<5	<5	45	4
Unknown	-	-	-	-	-	6	<5	192	165	159	<5	<5	525	72
Refused to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	11	1
Unable to answer	-	-	-	-	-	5	6	<5	<5	<5	<5	<5	18	2
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table six illustrates gender of attackers. Of those known 89% were male, compared with 8% female.

Table 6: Assault attendances by gender of attackers and month, October 2008 to September 2009

Gender of attackers	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Both	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	8	1
Female	-	-	-	-	-	7	6	<5	<5	<5	<5	<5	24	2
Male	-	-	-	-	-	70	49	49	20	31	23	28	270	18
Unknown	-	-	-	-	-	167	153	194	165	159	173	157	1168	78
Refused to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	5	12	1
Unable to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	11	1
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table seven shows that the relationship between assault attendee and those involved in the assault was unknown in the majority of (80%) incidents during October 2008 to September 2009. Where data was collected, six in ten (59%) assault patients had been assaulted by a stranger.

Table 7: Assault attendances by relationship with attacker and month, October 2008 to September 2009

Relationship with attacker	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Unknown	-	-	-	-	-	169	165	199	165	159	178	163	1198	80
Stranger	-	-	-	-	-	56	23	29	8	16	14	16	162	11
Acquaintance/friend	-	-	-	-	-	12	7	11	<5	7	<5	8	49	3
Bouncer	-	-	-	-	-	<5	<5	6	<5	5	<5	<5	17	1
Partner	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	17	1
Family member	-	-	-	-	-	<5	5	<5	<5	<5	<5	<5	12	1
Refused to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	11	1
Unable to answer	-	-	-	-	-	<5	5	<5	<5	<5	<5	<5	11	1
Police	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	7	0
Ex-partner	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	6	0
Work client/customer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Work mate/colleague	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

Table eight shows method of attack. Of those known, 75% were attacked with a body part, such as a fist, 6% with a bottle and 5% with a knife.

Table 8: Assault attendances by method of attack and month, October 2008 to September 2009

Method of attack	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Unknown	-	-	-	-	-	171	156	194	165	159	177	158	1180	79
Body part (e.g. fist)	-	-	-	-	-	43	45	44	16	31	18	26	223	15
Other	-	-	-	-	-	6	<5	9	<5	<5	<5	5	25	2
Bottle	-	-	-	-	-	14	<5	<5	<5	<5	<5	<5	18	1
Knife	-	-	-	-	-	6	<5	<5	<5	<5	<5	<5	16	1
Unable to answer	-	-	-	-	-	5	<5	<5	<5	<5	<5	<5	12	1
Blunt object	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	9	1
Acquaintance/friend	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Firearm	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Glass	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	0
Refused to answer	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	5	0
Total	-	-	-	-	-	253	213	253	186	195	197	196	1493	100

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- ⁱ Trauma relates to all AED attendances presenting as a result of an intentional or unintentional injury.
- ⁱⁱ Please 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.
- ⁱⁱⁱ Please note that although a patient may complete the assault patient questionnaire data may not be provided for each question as the patient can refuse or be unable to answer particular questions. Data provided in the following analyses represent those patients who completed each question, respectively.