



TIIG

INJURY SURVEILLANCE IN THE NORTH WEST OF ENGLAND

Royal Liverpool Emergency Department Monthly Bulletin: July 2012 to June 2013

This bulletin provides a breakdown of all injury attendances at the Royal Liverpool Emergency Department (ED) between July 2012 and June 2013.

Between July 2012 and June 2013 there were 33,065 injury attendances, peaking in January (n=3,165), with October (n=2,335) having the fewest. **Figure 1** gives a breakdown of monthly injury attendances by gender, illustrating that for all months there were more male (54%) injury attendances than female presenting at the Royal Liverpool ED.

The majority of injury attendances were made by people over the age of 14 years, with the highest proportion (42%) being made by 30-59 year olds (**Figure 2**). The low number of injury attendances under the age of 15 presenting at the Royal Liverpool ED could possibly be due to the close proximity of a local children's ED (Alder Hey).

Table 1 details the injury group of attendees. The majority (73%) of injury attendances have been classified as other injury. This category includes injuries such as head injuries and arm injuries. Over one in ten (11%) of injuries were classified as a fall. Over three quarters (76%) of injuries occurred in the home (**Table 2**).

The disposal method of attendees can give an indication of the severity of the injury sustained. Almost half of (46%) injury attendances were discharged from the ED and almost three in ten (28%) were admitted to hospital (**Table 3**).

Assault questionnaire*

The Royal Liverpool ED collects additional information on assault attendances and a summary of this data is provided in this report. More detailed information collected by staff at the Royal Liverpool ED 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.

There were 1,706 assault attendees presenting at the Royal Liverpool ED between July 2012 and June 2013. These were mainly male (74%) and 56% were aged between 15-29 years.

Where data was collected[^], 61% of assault attendances had consumed alcohol within three hours prior to their attack (**Table 4**). Almost nine in ten (89%) of all assault locations were unknown between July 2012 and June 2013. Of those known[^], over half (51%) occurred on the street (**Table 5**).

Table 6 shows that the relationship between assault attendees and those involved in the assault was unknown in the majority (90%) of incidents. Where data was collected[^], 74% of assault patients had been assaulted by a stranger.

Table 7 shows the weapon used in the assaults. Of those with a known weapon type[^], 87% were attacked with a body part, such as a fist.

* 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.

[^] Not including; unable to answer, refused to answer or unknown.

Figure 1: Gender of injury attendances by month, July 2012 to June 2013

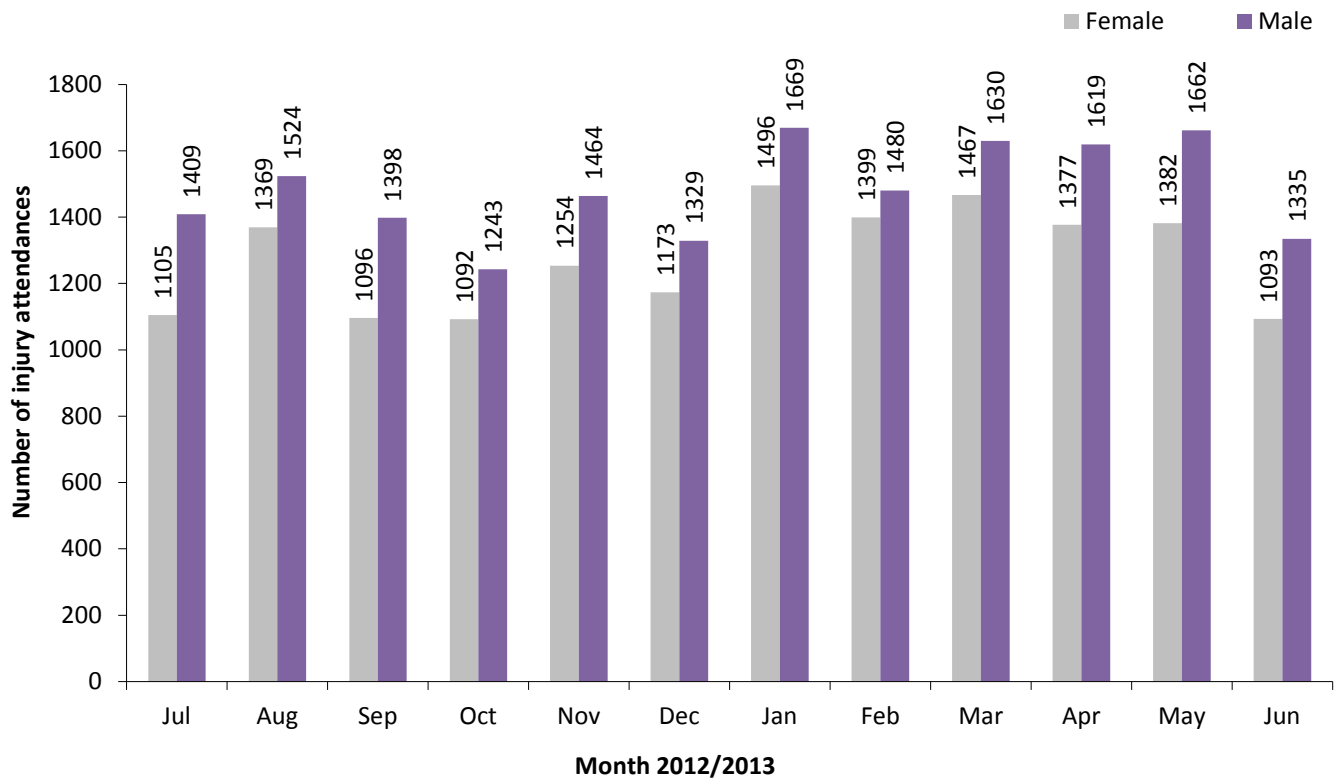


Figure 2: Age group of injury attendances by month, July 2012 to June 2013

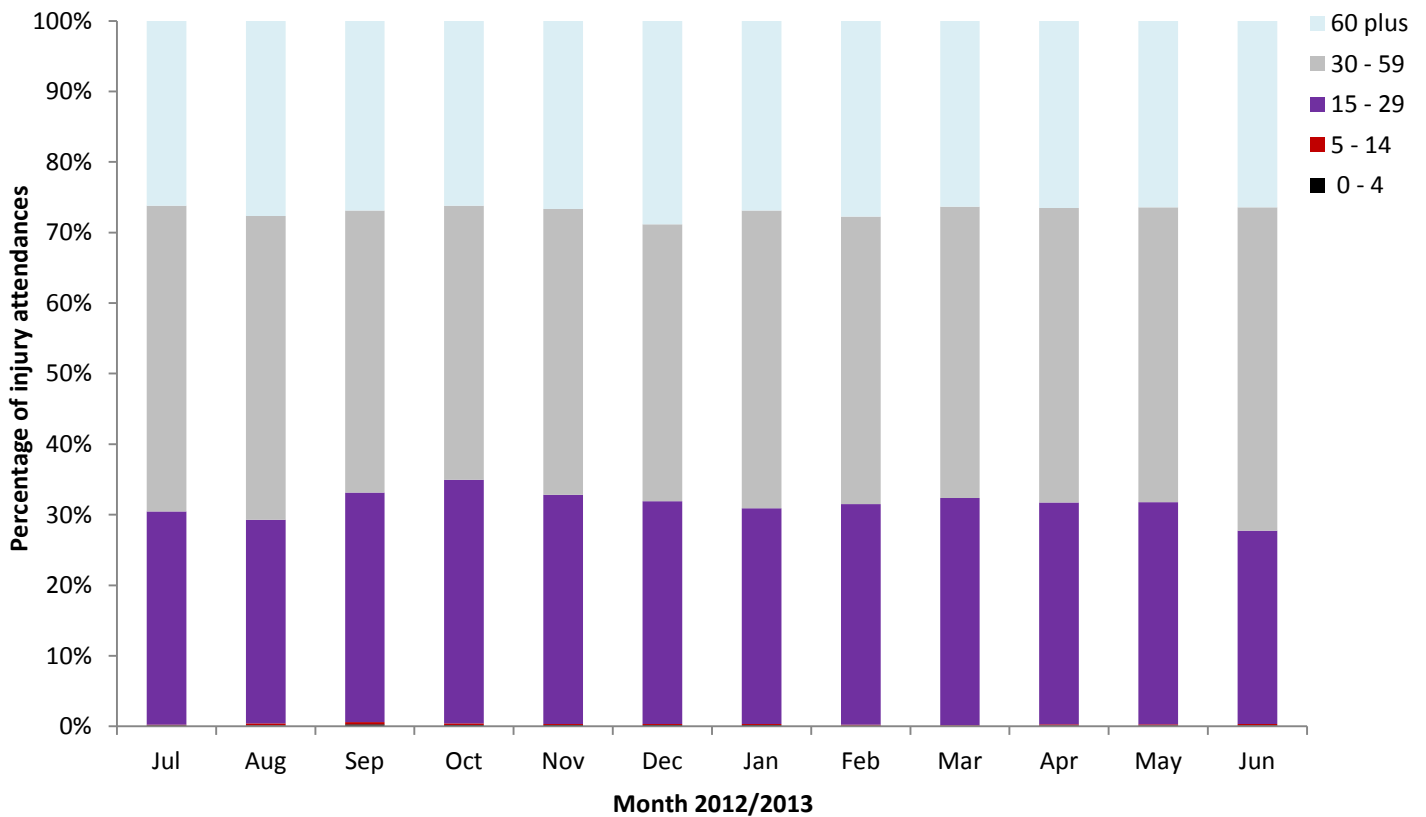


Table 1: Injury attendances by injury group and month, July 2012 to June 2013¹

Injury group	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Other injury	1799	2141	1750	1550	2013	1703	2413	2211	2325	2290	2305	1775	24275	73
Fall	283	326	261	272	264	349	327	263	320	300	317	260	3542	11
Assault	139	145	159	140	149	185	134	118	155	127	132	123	1706	5
Overdose	137	133	123	132	90	104	122	103	120	131	117	135	1447	4
Sport injury	61	81	111	138	110	86	93	111	105	71	93	66	1126	3
RTC	35	32	45	45	47	36	38	20	25	30	24	25	402	1
Self-harm	36	17	22	34	28	15	17	32	29	34	34	23	321	1
Burn	24	18	23	24	17	24	21	21	18	13	22	21	246	1
Total	2514	2893	2494	2335	2718	2502	3165	2879	3097	2996	3044	2428	33065	100

*Road traffic collision

Table 2: Injury attendances by location of incident and month, July 2012 to June 2013

Location	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Home	1962	2224	1791	1661	2027	1718	2490	2317	2354	2335	2301	1821	25001	76
Other	238	337	376	361	367	463	357	265	391	353	436	333	4277	13
Public place	256	273	273	258	256	276	253	235	300	255	239	225	3099	9
Work	41	42	36	26	44	32	45	32	28	35	44	32	437	1
Leisure facility	17	17	18	29	24	13	20	30	24	18	24	17	251	1
Total	2514	2893	2494	2335	2718	2502	3165	2879	3097	2996	3044	2428	33065	100

Table 3: Injury attendances by disposal method and month, July 2012 to June 2013^{2,3}

Disposal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Discharged	1224	1387	1180	1001	1304	1094	1410	1263	1371	1332	1411	1182	15159	46
Admitted	667	759	698	619	791	783	878	821	866	848	866	681	9277	28
Discharge - follow-up by GP	130	170	125	147	118	109	220	185	182	181	155	132	1854	6
Other	23	26	11	33	33	148	223	227	294	251	250	167	1686	5
Referred to fracture clinic	87	93	75	108	99	84	165	127	115	121	120	90	1284	4
Referred to other HCP	112	105	99	124	112	94	110	112	123	104	93	75	1263	4
Left - before being treated	124	143	116	109	87	60	23	34	25	29	34	30	814	2
Left - refused treatment	74	124	97	87	66	51	8	10	13	6	***	***	542	2
Referred to ED clinic	35	41	52	45	39	30	63	32	39	49	40	26	491	1
Referred to OPD clinic	30	35	34	46	49	28	49	47	36	46	46	28	474	1
Transfer to other HCP	***	6	***	8	13	14	<10	12	21	22	22	7	135	0
Patient died in department	6	***	***	<10	<10	***	8	<10	***	<10	5	6	<75	0
Restored to ward	***	***	***	***	***	***	***	***	<10	***	***	***	***	0
Total	2514	2893	2494	2335	2718	2502	3165	2879	3097	2996	3044	2428	33065	100

Table 4: Assault attendees' alcohol consumption within three hours prior to the assault by month, July 2012 to June 2013²

Alcohol consumption	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Unknown	119	132	137	119	133	181	121	90	140	119	116	114	1521	89
Yes	***	***	10	12	7	***	6	20	6	7	11	7	97	6
No	7	6	8	8	8	***	6	6	6	***	***	***	62	4
Unable to answer	6	***	***	***	***	***	***	***	***	***	***	***	20	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	6	0
Total	139	145	159	140	149	185	134	118	155	127	132	123	1706	100

¹ Please note that, from April 2011, changes have been made in the way data is collected by the ED. It appears that more attendances are being coded with an injury group 'other than above', resulting in these cases being classed as non trauma and therefore not included in these analyses.

² Please note that for all tables, all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number less than five 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 OPD= out-patient department, HCP= health care provider, GP= General Practitioner.

Table 5: Assault attendances by location of incident and month, July 2012 to June 2013²

Assault location	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Unknown	120	132	137	119	134	181	121	90	140	119	116	114	1523	89
Street	8	7	10	14	9	***	5	11	5	7	7	***	88	5
Bar/pub	***	***	***	***	***	***	***	***	***	***	***	***	23	1
Your home	***	***	***	***	***	***	***	***	***	***	***	***	20	1
Club	***	***	***	***	***	***	***	8	***	***	***	***	14	1
Other	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Someone else's home	***	***	***	***	***	***	***	***	***	***	***	***	9	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Workplace	***	***	***	***	***	***	***	***	***	***	***	***	<10	0
Unable to answer	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	139	145	159	140	149	185	134	118	155	127	132	123	1706	100

Table 6: Assault attendances by relationship with attacker and month, July 2012 to June 2013²

Relationship with attacker	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Unknown	123	133	139	122	135	181	124	94	141	119	116	114	1541	90
Stranger	6	<10	12	14	9	***	6	17	8	7	13	6	107	6
Acquaintance/friend	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	12	1
Partner	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Unable to answer	***	***	***	***	***	***	***	***	***	***	***	***	9	1
Work client/customer	***	***	***	***	***	***	***	***	***	***	***	***	5	0
Bouncer	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Ex-partner	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Family member	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Police	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	139	145	159	140	149	185	134	118	155	127	132	123	1706	100

Table 7: Assault attendances by method of attack and month, July 2012 to June 2013²

Method of attack	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Unknown	128	74	106	93	113	96	121	132	137	119	133	181	1433	81
Body part (e.g. fist)	22	49	21	27	25	24	8	9	12	13	<10	***	220	12
Knife	***	***	***	7	***	***	***	***	***	***	***	***	32	2
Other	***	***	***	***	***	***	***	***	***	***	***	***	23	1
Bottle	5	***	***	***	***	***	***	***	***	***	***	***	18	1
Blunt object	***	***	***	***	***	***	***	***	***	***	***	***	14	1
Unable to answer	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	10	1
Glass	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Total	158	140	138	137	147	132	139	145	159	140	149	185	1769	100

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