

Arrowe Park Emergency Department Monthly Bulletin: April 2011 to March 2012

This bulletin provides a breakdown of a total of 35,782 injury attendances at Arrowe Park Hospital Emergency Department (ED) between April 2011 and March 2012. Injury attendances peaked in March 2012 (n=3,543), with December 2011 (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 to 59 years (29%).

Table 1 details the injury group of injury attendees to Arrowe Park ED between April 2011 and March 2012. Falls were the most prevalent cause of injury, accounting for over four in ten (44%) 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 1,591 attendees presented at Arrowe Park ED in this period as a result of assault; these

attendees were mainly male (69%) and just over half (52%) aged between 15-29 years. Almost four in ten (38%) assaults were recorded as occurring in a public place and almost two in ten (18%) were recorded as occurring in the home (**Table 5**). **Table 6** gives the geographical location of assault incidents. Almost three in ten assault incidents (29%) were reported to have occurred in Birkenhead centre. The majority (60%) 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 (89%) had not consumed alcohol; however for assault attendees, 48% of attendees reported that they had consumed alcohol and 46% reported that they 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 = 73%). **Table 9** presents a breakdown of specific injury location for falls attendees within these age groups. Almost three in ten (29%) 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 17% of falls were reported to have occurred in the home bedroom.

Figure 1: Gender of injury attendances by month, April 2011 to March 2012¹

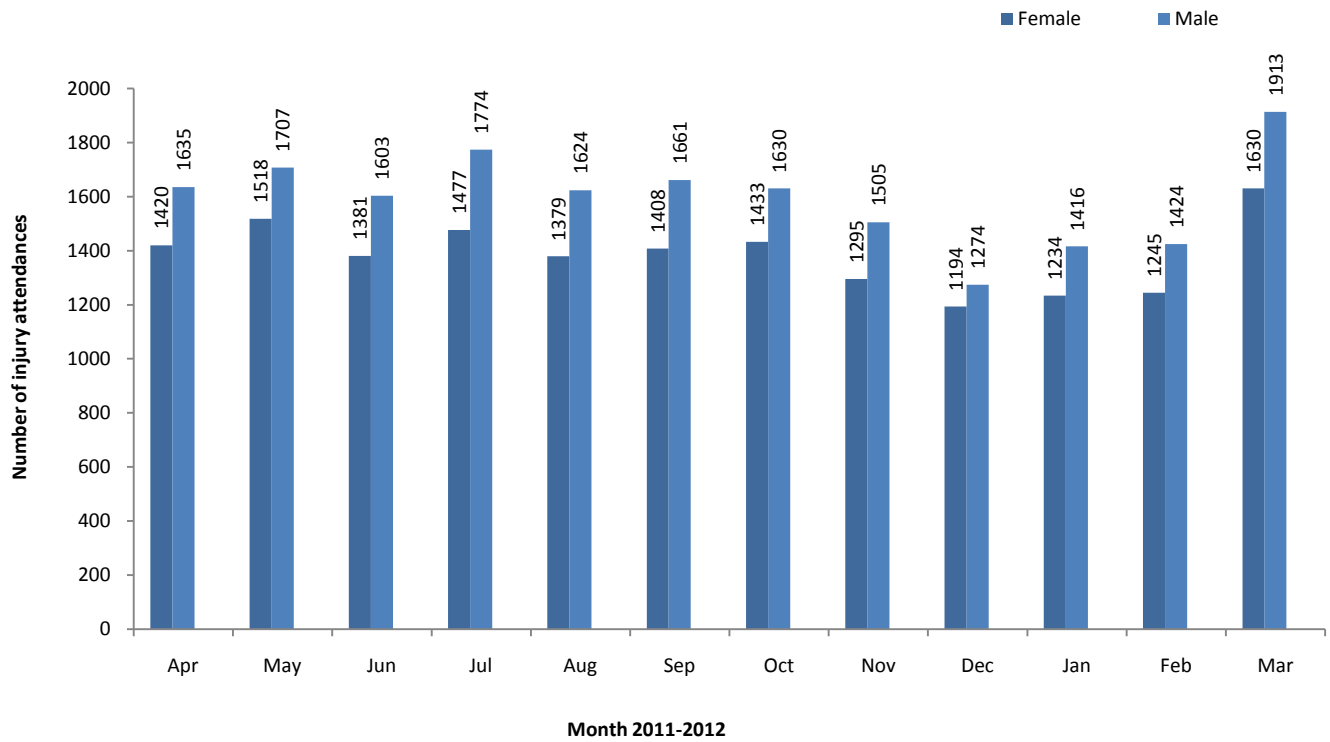
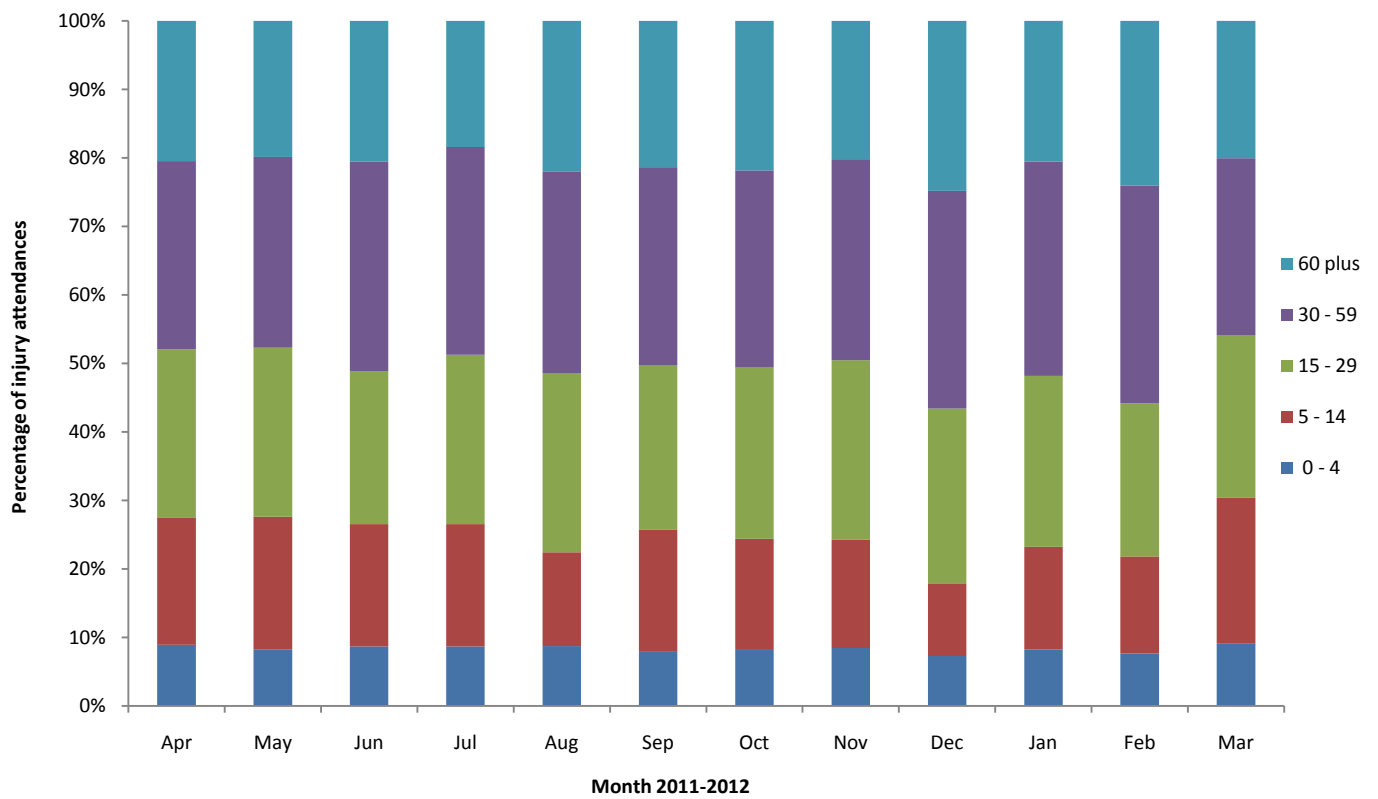


Figure 2: Age group of injury attendances by month, April 2011 to March 2012



¹ Please note that values for October and December 2011 include one case in each month where gender was not recorded.

Table 1: Injury attendances by injury group, April 2011 to March 2012^{2,3*}

Injury Group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Fall	1394	1408	1326	1446	1333	1335	1267	1100	1132	1075	1248	1533	15597	44
Other accident	313	402	408	468	407	433	432	389	291	434	302	512	4791	13
Struck	391	385	327	342	305	305	287	321	247	285	308	437	3940	11
Sports injury	251	240	224	234	211	333	338	325	126	201	188	355	3026	8
Wound or cut	241	232	190	243	250	191	229	195	195	168	188	243	2565	7
Road traffic collision	206	253	230	233	221	208	214	189	206	201	177	208	2546	7
Assault	136	154	137	142	142	106	148	120	146	135	122	103	1591	4
Deliberate self harm	53	74	59	54	52	73	76	79	58	77	64	73	792	2
Bite	24	36	35	41	30	33	30	23	20	23	33	29	357	1
Burn/scald	24	25	25	26	28	31	23	34	30	25	25	31	327	1
Ingestion	18	11	<10	15	17	13	12	12	10	19	10	14	160	0
Inhalation	***	***	13	<8	<8	<6	<7	11	***	<7	***	***	71	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	18	0
Total	3055	3225	2984	3251	3003	3069	3064	2800	2468	2650	2669	3543	35782	100

*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, April 2011 to March 2012*

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Self referral	2887	3049	2815	3066	2770	2921	2864	2647	2334	2504	2561	3329	33747	94
Emergency services	77	81	63	93	134	65	137	78	69	77	14	13	901	3
Other	59	68	67	59	58	51	24	41	32	39	66	162	726	2
GP	9	7	16	14	15	13	16	12	9	5	7	17	140	0
Police	11	11	10	7	14	10	12	12	13	12	13	6	131	0
Health care provider	8	5	8	8	7	5	5	5	***	***	5	7	70	0
Educational establishment	***	***	***	***	***	***	***	***	***	6	***	7	37	0
Work	***	***	***	***	***	***	***	***	5	***	***	***	17	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Community dental service	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Local authority	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Walk in centre	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3055	3225	2984	3251	3003	3069	3064	2801	2468	2650	2669	3543	35782	100

*GP = General Practitioner

Table 3: Injury attendances by location of incident, April 2011 to March 2012

Incident location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public place	1311	1441	1325	1509	1458	1375	1254	1135	1000	1033	1166	1477	15484	43
Home	957	970	864	958	925	908	929	868	855	885	867	1081	11067	31
Other	422	450	418	450	418	355	424	333	374	347	316	357	4664	13
Educational establishment	110	154	176	126	***	174	128	173	61	164	123	300	1691	5
Sport	154	120	106	103	92	165	204	182	89	126	114	214	1669	5
Workplace	93	82	86	94	94	85	104	99	85	86	79	104	1091	3
Unknown	***	6	***	***	***	***	9	8	***	7	***	5	58	0
Sea/waterway	***	***	5	8	9	***	10	***	***	***	***	***	47	0
Road traffic collision	***	***	***	***	***	***	***	***	***	***	***	***	11	0
Total	3055	3225	2984	3251	3003	3069	3064	2801	2468	2650	2669	3543	35782	100

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.

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

Table 4: Injury attendances by discharge method, April 2011 to March 2012*

Discharge method	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged - no follow-up	1619	1659	1540	1638	1518	1570	1486	1389	1256	1340	1330	1924	18269	51
Admitted	374	430	395	402	365	407	450	419	366	359	381	422	4770	13
Discharged - fracture clinic	410	353	326	376	346	355	323	264	202	228	248	346	3777	11
Discharged - GP follow-up	206	247	255	232	253	221	252	208	209	253	228	249	2813	8
Discharged - other	107	118	126	142	117	133	134	114	97	132	130	152	1502	4
Discharged - GP nurse	73	85	80	115	113	68	98	85	71	65	81	96	1030	3
Left dept before assessment	93	103	79	135	66	70	82	76	82	63	53	77	979	3
Discharged - adult ED clinic	57	69	62	62	75	66	75	73	62	77	92	89	859	2
Discharged - paediatric ED	23	42	33	28	33	49	39	48	20	32	27	75	449	1
Discharged - ear, nose and throat	22	30	21	27	30	28	32	37	29	24	34	38	352	1
Discharged - maxillary/facial	18	20	16	29	28	27	22	22	13	21	15	17	248	1
Left dept	21	24	19	20	16	18	28	23	27	20	18	14	248	1
Transferred to other healthcare provider	14	19	10	17	15	20	18	11	21	14	10	16	185	1
Discharged - walk-in centre	9	12	10	15	12	20	10	19	7	14	8	9	145	0
Discharged - physiotherapy	8	13	10	10	15	16	13	13	6	7	14	18	143	0
Died in department	***	***	***	***	***	***	***	***	***	***	***	***	8	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Admitted to ED assess ward	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Dead on arrival	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred- other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred to fracture clinic	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3055	3225	2984	3251	3003	3069	3064	2801	2468	2650	2669	3543	35782	100

*GP=General Practitioner

Table 5: Assault attendances by location of assault, April 2011 to March 2012

Assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public space	44	65	52	50	60	52	48	44	46	47	48	41	597	38
Home	26	20	20	27	24	16	26	26	21	28	24	23	281	18
Street/road	23	29	28	25	16	14	25	23	24	16	16	13	252	16
Public house	7	7	<6	9	8	***	7	5	16	13	12	8	99	6
Other	7	14	6	11	6	<6	6	5	16	6	***	6	92	6
Public park	7	6	11	6	7	***	14	***	6	***	***	***	72	5
Night club	5	5	6	***	5	8	***	5	8	***	8	***	60	4
Workplace	5	***	***	***	9	***	***	5	***	***	***	***	40	3
Unknown	***	***	***	***	***	***	6	***	***	7	***	***	19	1
School	***	***	***	***	***	***	***	***	***	***	***	***	18	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	15	1
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Leisure facility	***	***	***	***	***	***	***	***	***	***	***	***	10	1
Car park	***	***	***	***	***	***	***	***	***	***	***	***	9	1
On public transport	***	***	***	***	***	***	***	***	***	***	***	***	8	1
Shops	***	***	***	***	***	***	***	***	***	***	***	***	<8	0
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	136	154	137	142	142	106	148	120	146	135	122	103	1591	100

Table 6: Assault attendances by geographical location of assault, April 2011 to March 2012

Geographical assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Birkenhead centre	41	50	35	31	41	35	43	35	38	49	38	25	461	29
Wallasey-Seacombe	16	19	18	8	15	10	17	14	17	10	14	17	175	11
Bidston-Prenton-Oxton	14	10	20	14	11	11	13	14	11	14	11	9	152	10
New Ferry-Rock Ferry	7	11	12	13	10	8	7	7	5	7	6	15	108	7
Moreton-Leasowe	10	7	7	18	8	6	***	10	14	10	9	***	107	7
Other	9	9	11	7	13	5	12	8	***	***	10	6	98	6
Liverpool city centre	9	7	8	8	7	7	8	11	15	***	<6	<6	94	6
Greasby-Upton-Arrowe Park	6	7	7	10	7	7	8	10	10	6	8	6	92	6
Bromborough-Eastham	***	8	***	6	***	8	***	***	9	8	7	6	67	4
New Brighton	7	7	6	***	5	***	5	***	***	***	***	***	49	3
Bebington	***	***	***	5	7	***	9	***	***	***	***	***	42	3
Heswall-Pensby-Thingwall	***	***	***	***	8	***	***	***	6	***	***	***	35	2
Meols-Frankby-Hoylake	***	***	***	***	***	***	***	***	6	***	***	***	26	2
Unknown	***	***	***	***	***	***	6	***	***	7	***	***	20	1
Neston-Parkgate	***	***	***	***	***	***	***	***	***	***	***	***	20	1
West Kirby	***	***	***	***	***	***	***	***	***	***	***	***	19	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Ellesmere Port-Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	<13	1
Hooton	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	136	154	137	142	142	106	148	120	146	135	122	103	1591	100

Table 7: Assault attendances by number of attackers, April 2011 to March 2012

Number of attackers	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
1 attacker	70	98	73	91	91	77	80	77	76	77	73	65	948	60
More than 2	40	28	32	22	32	19	33	25	44	24	27	20	346	22
Unknown	17	15	15	15	<9	***	18	12	11	15	10	10	150	9
2 attackers	9	13	17	14	<12	<7	17	6	15	19	12	8	147	9
Total	136	154	137	142	142	106	148	120	146	135	122	103	1591	100

Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, April 2011 to March 2012

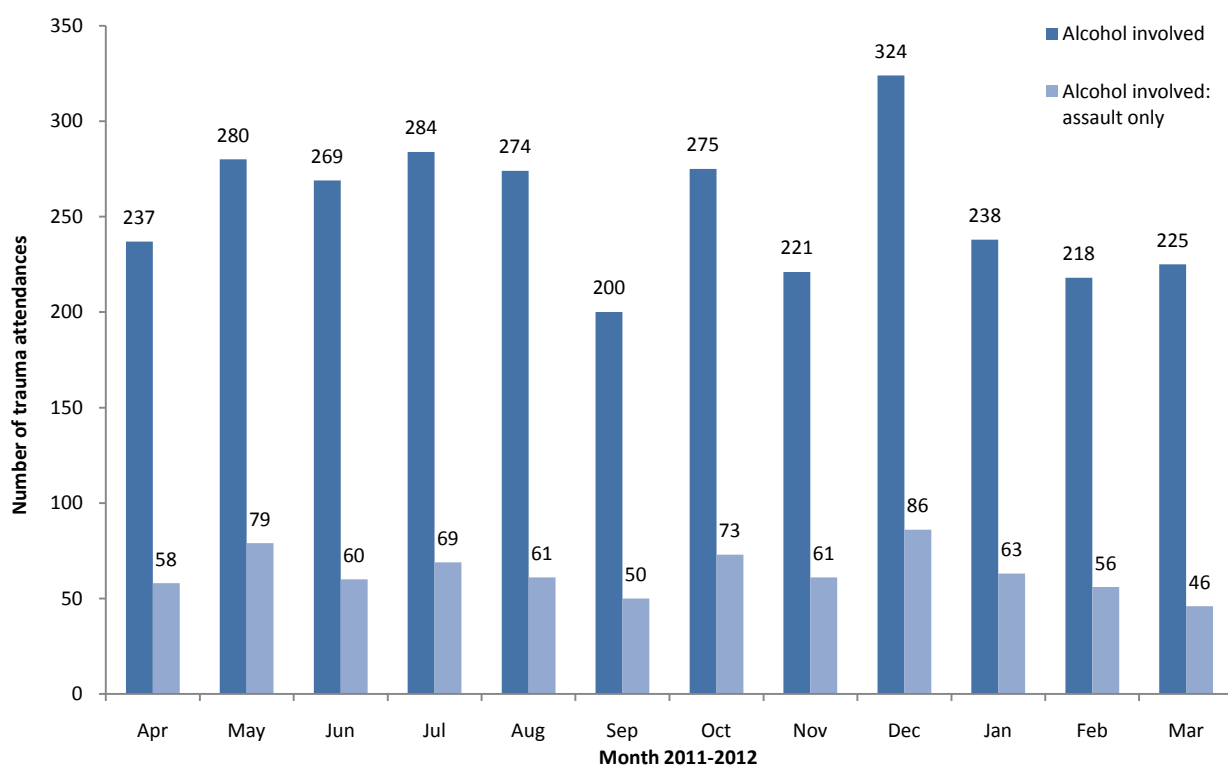


Table 8: Injury group of attendees aged 0-4 and 60 years plus only, April 2011 to March 2012

Injury group	0-4		60 plus	
	N	%	N	%
Assault	***	0	40	1
Bite	40	1	43	1
Burn	65	2	36	0
Drown/immersion	***	0	***	0
Deliberate self-harm	***	0	45	1
Electrical	5	0	***	0
Fall	1646	55	5531	73
Firearm	***	0	***	0
Firework	***	0	***	0
Glass	***	0	***	0
Ingestion	92	3	14	0
Inhalation	***	0	14	0
Non-drown asphyxia	***	0	***	0
Non-fire burn/scald	***	0	***	0
Other	528	18	724	10
Road traffic collision	99	3	252	3
Sports injury	5	0	26	0
Stab	***	0	***	0
Struck	336	11	356	5
Wound or Cut	190	6	445	6
Total	3000	100	7537	100

Table 9: Incident location for falls attendees ages 0-4 and 60 plus years only, April 2011 to March 2012

Incident location	0-4		60 plus	
	N	%	N	%
School classroom	35	2	***	0
School grounds/field	50	3	***	0
School other	8	0	***	0
Home bathroom	17	1	287	5
Home bedroom	196	12	942	17
Home garage/workshop	8	0	19	0
Home hall	46	3	201	4
Home living/dining room	394	24	886	16
Home stairs	151	9	301	5
Home other	30	2	228	4
Home unknown	9	1	34	1
Home garden	96	6	270	5
Home kitchen	68	4	208	4
Other	55	3	82	1
Public place	479	29	2050	37
Road traffic collision	***	0	***	0
Sea/waterway	***	0	6	0
Sport	***	0	***	0
Workplace	***	0	16	0
Total	1646	100	5531	100

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