



TIIG

INJURY SURVEILLANCE IN THE NORTH WEST OF ENGLAND

AINTREE UNIVERSITY HOSPITAL EMERGENCY DEPARTMENT

MONTHLY BULLETIN: OCTOBER 2013 TO SEPTEMBER 2014

This bulletin provides a breakdown of all attendances¹ to Aintree University Hospital Emergency Department (ED) between October 2013 and September 2014.

During the twelve month period there were 80,492 attendances to Aintree University Hospital ED. The month with the highest number of attendances, calculated as a daily average, was July 2014 (230 per day) compared to December 2013, the month with the fewest (207 per day; **Figure 1**).

There were slightly more male (51%) than female (49%) attendees to the department (**Figure 1**). **Figure 2** shows age group of ED attendances for each month. Over two-fifths (43%) were aged between 30 and 59 years and just over one-third (34%) were aged 60 years and above. Almost all (99%) ED attendees were aged 15 years or above, which is most likely due to the close proximity of the local children's ED (Alder Hey Children's Hospital).

The majority (92%) of attendances were recorded as other/unknown patient group (**Table 1**). Road traffic collisions (RTCs), assaults and sports injuries each accounted for 2% of attendances.

Table 2 shows the incident location of attendances. Almost three quarters (74%) took place in the home while 10% occurred in a public place.

Table 3 shows the arrival method of attendances to Aintree University Hospital ED. Close to four in ten (39%) arrived at the department by ambulance.

The disposal of a patient can give an indication of the severity of injuries sustained. Over four in ten (44%) ED attendees were discharged while almost a third (32%) were admitted into hospital (**Table 4**).

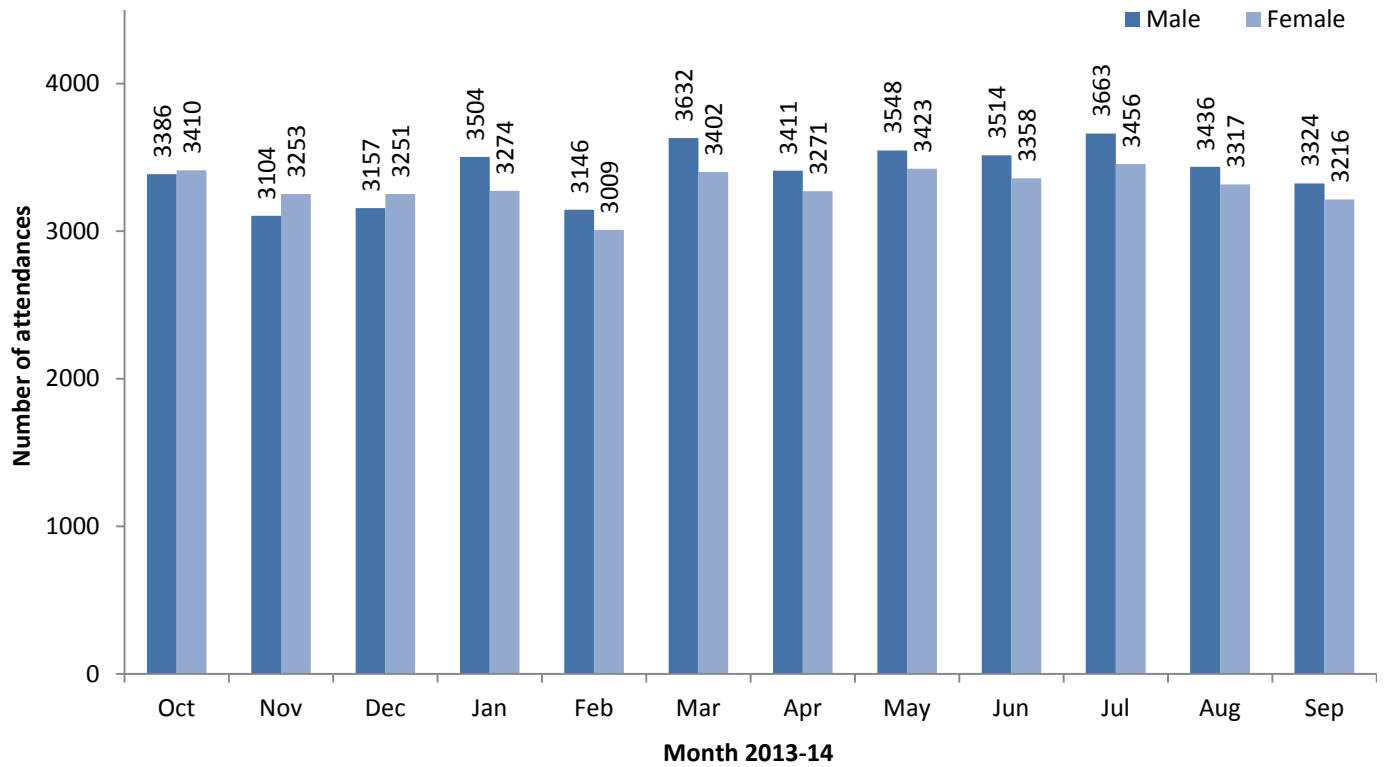
Assault attendances

Between October 2013 and September 2014 there were 1,629 assault attendances to Aintree University Hospital ED.

Almost three-quarters (73%) of assault attendees were male. Those aged between 15 and 29 years and between 30 and 59 years each accounted for 48% of assault attendances.

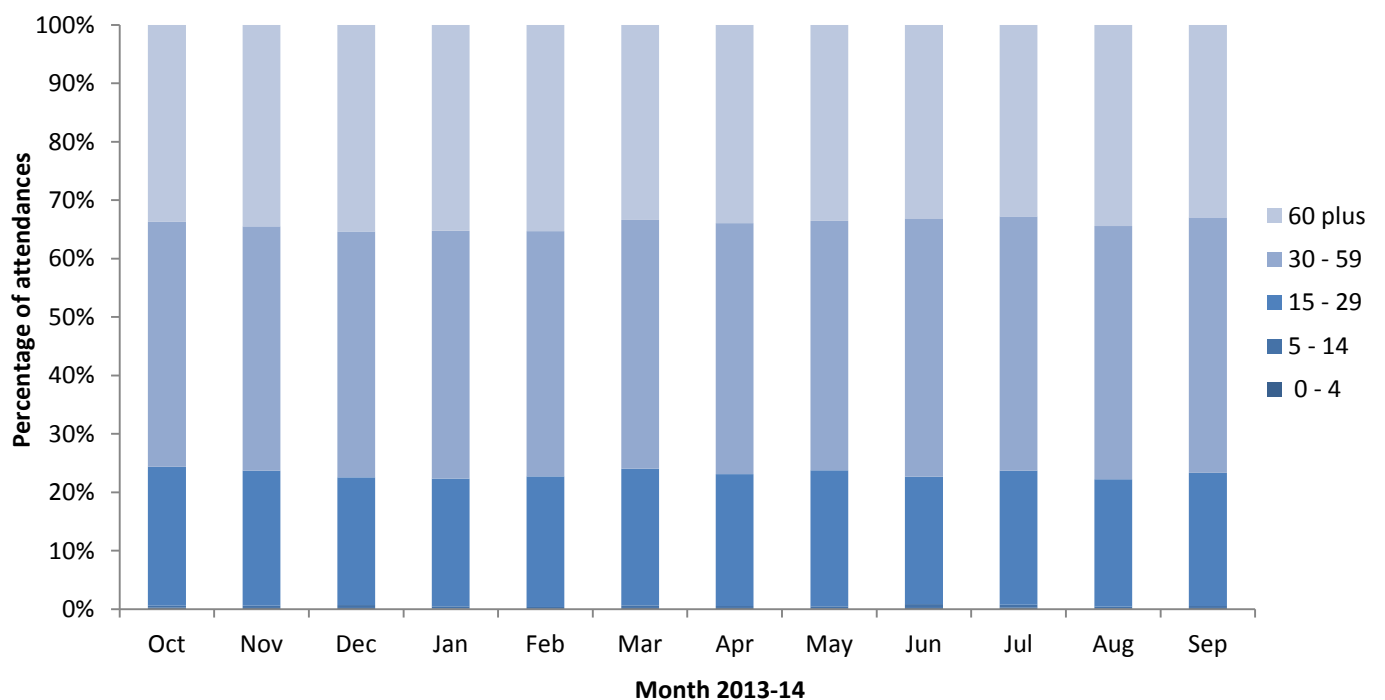
¹ For most other hospitals TIIG reports on injuries only; however, this report includes all attendances to University Hospital Aintree ED. This is due to the high number of 'unknown' injury groups which makes it difficult to analyse injury attendances separately.

Figure 1: ED attendances by gender and month, October 2013 to September 2014[^]



[^] There were 26 records where the gender was unknown; these have been omitted from the chart.

Figure 2: ED attendances by age group and month, October 2013 to September 2014[§]



[§] There were 9 records where the age was unknown; these have been omitted from the chart.

Table 1: ED attendances by injury group and month, October 2013 to September 2014

| Patient group | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total | % |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Other/unknown | 6283 | 5844 | 5916 | 6321 | 5673 | 6465 | 6153 | 6425 | 6345 | 6601 | 6290 | 6013 | 74329 | 92% |
| RTC | 146 | 150 | 153 | 154 | 154 | 157 | 164 | 171 | 180 | 150 | 171 | 160 | 1910 | 2% |
| Assault | 149 | 155 | 128 | 115 | 119 | 145 | 128 | 147 | 134 | 140 | 115 | 154 | 1629 | 2% |
| Sports injury | 123 | 92 | 105 | 62 | 101 | 167 | 123 | 129 | 110 | 98 | 79 | 114 | 1303 | 2% |
| Deliberate self-harm | 92 | 107 | 89 | 109 | 102 | 92 | 104 | 88 | 96 | 127 | 92 | 86 | 1184 | 1% |
| Firework injury | 6 | 14 | 18 | 20 | 7 | 11 | 13 | 13 | 8 | 6 | 6 | 15 | 137 | 0% |
| Total | 6799 | 6362 | 6409 | 6781 | 6156 | 7037 | 6685 | 6973 | 6873 | 7122 | 6753 | 6542 | 80492 | 100% |

Table 2: ED attendances by incident location and month, October 2013 to September 2014²

| Incident location | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total | % |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Home | 4998 | 4678 | 4826 | 5164 | 4618 | 5175 | 5005 | 5156 | 5137 | 5264 | 5054 | 4763 | 59838 | 74% |
| Other | 809 | 751 | 680 | 768 | 644 | 758 | 691 | 776 | 725 | 826 | 729 | 746 | 8903 | 11% |
| Public place | 669 | 585 | 637 | 567 | 607 | 750 | 702 | 716 | 699 | 683 | 665 | 701 | 7981 | 10% |
| Work | 299 | 332 | 246 | 267 | 277 | 331 | 275 | 306 | 303 | <345 | <305 | 322 | 3603 | 4% |
| Educational establishment | 24 | 16 | 20 | 15 | 10 | 23 | 12 | 19 | 9 | <10 | *** | 10 | 167 | 0% |
| Total | 6799 | 6362 | 6409 | 6781 | 6156 | 7037 | 6685 | 6973 | 6873 | 7122 | 6753 | 6542 | 80492 | 100% |

Table 3: ED attendances by arrival mode and month, October 2013 to September 2014

| Arrival mode | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total | % |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Other | 4159 | 3828 | 3777 | 4015 | 3606 | 4414 | 4086 | 4317 | 4306 | 4531 | 4172 | 4115 | 49326 | 61% |
| Ambulance | 2640 | 2534 | 2632 | 2766 | 2550 | 2623 | 2599 | 2656 | 2567 | 2591 | 2581 | 2427 | 31166 | 39% |
| Total | 6799 | 6362 | 6409 | 6781 | 6156 | 7037 | 6685 | 6973 | 6873 | 7122 | 6753 | 6542 | 80492 | 100% |

Table 4: ED attendances by discharge method and month, October 2013 to September 2014*

| Discharge method | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total | % |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Discharged | 2974 | 2812 | 2835 | 2945 | 2545 | 2919 | 2981 | 3022 | 3023 | 3312 | 3017 | 2836 | 35221 | 44% |
| Admitted to hospital | 2170 | 2041 | 2146 | 2195 | 1935 | 2181 | 2062 | 2182 | 2116 | 2119 | 2166 | 2206 | 25519 | 32% |
| Discharged - GP | 564 | 533 | 527 | 538 | 587 | 673 | 538 | 524 | 514 | 425 | 478 | 433 | 6334 | 8% |
| Referred fracture clinic | 296 | 287 | 295 | 251 | 242 | 300 | 265 | 294 | 309 | 304 | 262 | 263 | 3368 | 4% |
| Left department | 313 | 247 | 197 | 235 | 232 | 221 | 286 | 313 | 291 | 307 | 256 | 227 | 3125 | 4% |
| Other | 88 | 72 | 63 | 275 | 264 | 345 | 152 | 198 | 189 | 197 | 184 | 191 | 2218 | 3% |
| Referred to other outpatient clinic | 203 | 176 | 158 | 152 | 160 | 192 | 175 | 208 | 198 | 199 | 156 | 172 | 2149 | 3% |
| Other HCP | 89 | 88 | 76 | 85 | 84 | 82 | 112 | 109 | 108 | 123 | 121 | 111 | 1188 | 1% |
| Referred ED Clinic | 77 | 89 | 92 | 85 | 91 | 102 | 97 | 114 | 105 | 120 | 95 | 93 | 1160 | 1% |
| Died in department | 25 | 17 | 20 | 20 | 16 | 22 | 17 | 9 | 20 | 16 | 18 | 10 | 210 | 0% |
| Total | 6799 | 6362 | 6409 | 6781 | 6156 | 7037 | 6685 | 6973 | 6873 | 7122 | 6753 | 6542 | 80492 | 100% |

* HCP = Health Care Provider.

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² Please note that all numbers less than five have been suppressed (with ***) in line with patient confidentiality. If there is only one number less than five in a category then two numbers have been suppressed to prevent back calculations from totals.