

This bulletin provides a breakdown of all trauma attendances at the Royal Liverpool Accident and Emergency (A&E) department between April 2007 and March 2008.

Figure 1 illustrates the number of trauma attendances by month of attendance. Trauma attendances peaked in October, with January having the least number of trauma attendances.

**Figure 1: Total number of trauma attendances by month, April 2007 to March 2008**

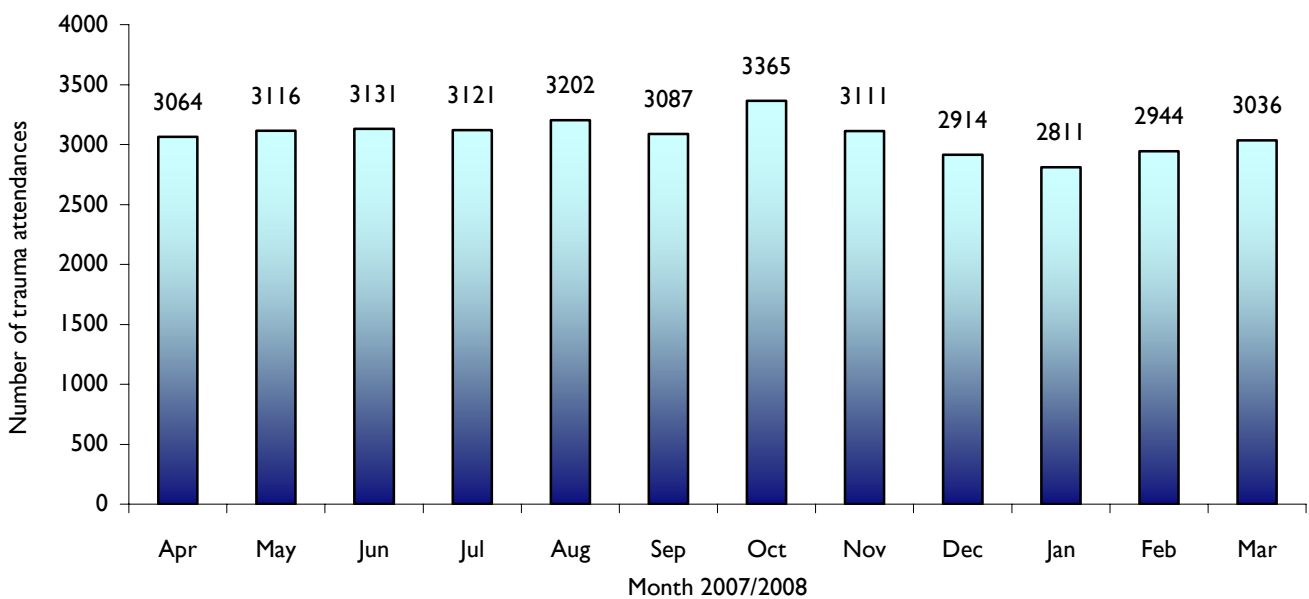


Figure 2 gives a breakdown of monthly trauma attendances by gender, illustrating that for all months there were more male trauma attendances than female presenting at the Royal Liverpool A&E department.

**Figure 2: Gender of trauma attendances by month, April 2007 to March 2008**

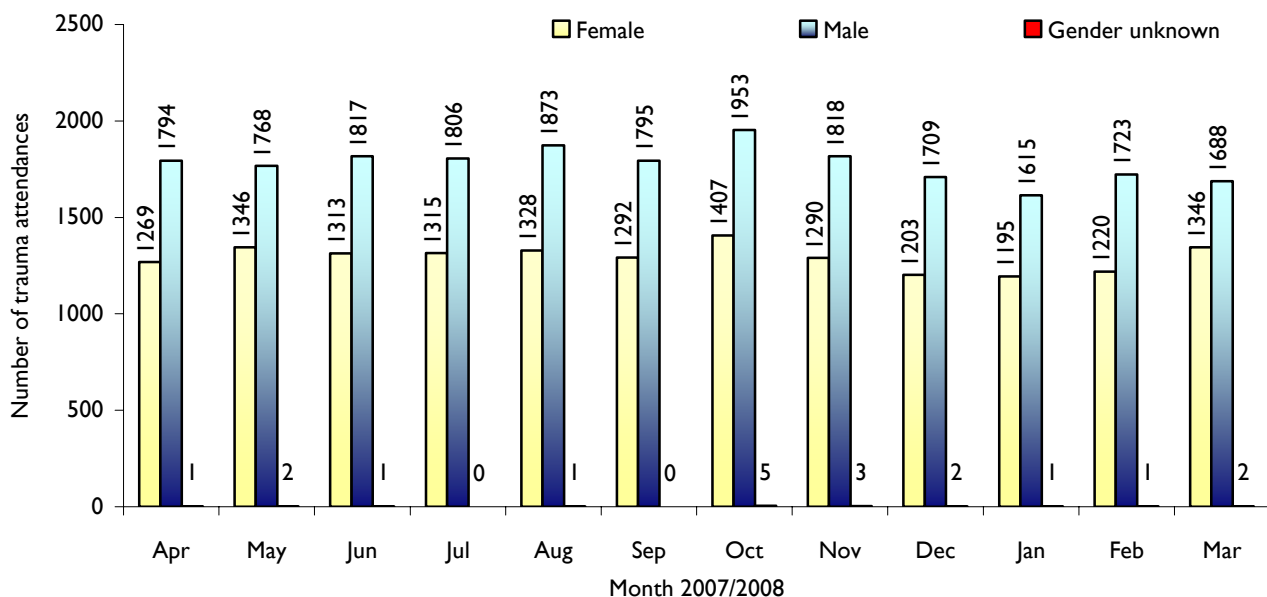


Figure 3 illustrates age group of trauma attendances. For all months, the vast majority of trauma attendances were made by people over the age of 14 years. The low number of trauma attendances under the age of 15 presenting at the Royal Liverpool A&E department is probably due to the close proximity of a local children's A&E department (Alder Hey).

**Figure 3: Age group of trauma attendances by month, April 2007 to March 2008**

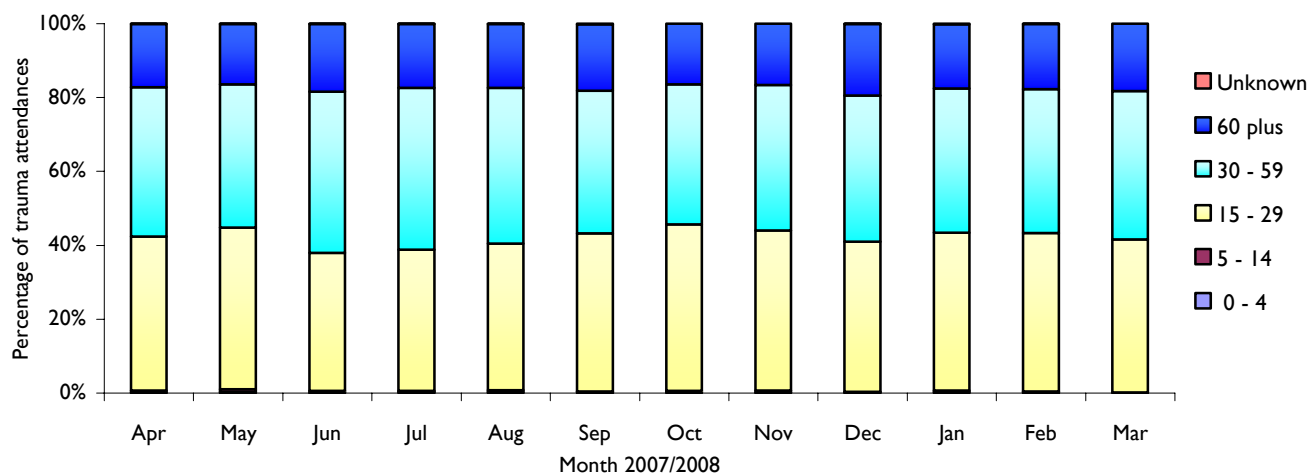


Table 1 details the injury group of trauma attendances. The most common form of injury leading to A&E attendance was body injury, representing 50% of trauma attendances. This category includes injuries such as head injuries and arm injuries, for example.

**Table 1: Trauma attendances by injury group and month, April 2007 to March 2008**

| Injury Group          | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  | Jan  | Feb  | Mar  | Total | %   |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|
| Body Injury           | 1547 | 1502 | 1467 | 1514 | 1698 | 1527 | 1627 | 1657 | 1402 | 1453 | 1599 | 1535 | 18528 | 50  |
| Fall                  | 340  | 394  | 406  | 434  | 400  | 401  | 394  | 390  | 465  | 370  | 367  | 443  | 4804  | 13  |
| Accident              | 395  | 429  | 421  | 398  | 356  | 447  | 490  | 279  | 283  | 273  | 256  | 287  | 4314  | 12  |
| Assault               | 340  | 330  | 325  | 317  | 344  | 286  | 362  | 299  | 328  | 265  | 278  | 326  | 3800  | 10  |
| Road Traffic Accident | 216  | 211  | 260  | 209  | 178  | 218  | 213  | 268  | 245  | 221  | 210  | 223  | 2672  | 7   |
| Overdose              | 82   | 81   | 110  | 122  | 100  | 76   | 105  | 92   | 86   | 123  | 114  | 99   | 1190  | 3   |
| Self Harm             | 55   | 72   | 75   | 52   | 61   | 69   | 86   | 29   | 55   | 40   | 59   | 48   | 701   | 2   |
| Sport Injury          | 55   | 52   | 31   | 32   | 31   | 35   | 42   | 53   | 18   | 31   | 28   | 37   | 445   | 1   |
| Burn                  | 23   | 32   | 26   | 27   | 24   | 20   | 33   | 20   | 19   | 23   | 26   | 27   | 300   | 1   |
| Stab Wound            | 8    | 7    | 6    | 10   | 6    | 5    | 8    | 11   | 12   | 8    | 4    | 8    | 93    | 0   |
| Electrical            | 1    | 4    | 3    | 4    | 1    | 2    | 2    | 8    | 1    | 3    | 1    | 3    | 33    | 0   |
| Gun                   | 2    | 2    | 1    | 2    | 3    | 1    | 3    | 3    | 0    | 1    | 2    | 0    | 20    | 0   |
| Firework              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 2     | 0   |
| Total                 | 3064 | 3116 | 3131 | 3121 | 3202 | 3087 | 3365 | 3111 | 2914 | 2811 | 2944 | 3036 | 36902 | 100 |

Table 2 illustrates the location where assaults occurred for patients presenting with assault-related injuries. Four in five (80%) of all assault locations were unknown during April 2007 to March 2008. Of those known, over half (56%) occurred on the street<sup>ii</sup>.

**Table 2: Assault attendances by location of incident and month, April 2007 to March 2008**

| Assault location    | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Unknown             | 275 | 258 | 258 | 265 | 289 | 245 | 308 | 222 | 264 | 208 | 209 | 252 | 3053  | 80  |
| Street              | 39  | 43  | 33  | 30  | 32  | 21  | 29  | 30  | 34  | 38  | 47  | 34  | 410   | 11  |
| Bar/pub             | 5   | 5   | 12  | 2   | 1   | 7   | 4   | 17  | 12  | 6   | 7   | 20  | 98    | 3   |
| Your home           | 5   | 8   | 6   | 3   | 9   | 4   | 5   | 11  | 5   | 3   | 3   | 6   | 68    | 2   |
| Other               | 7   | 8   | 5   | 2   | 4   | 6   | 6   | 8   | 4   | 5   | 4   | 3   | 62    | 2   |
| Club                | 7   | 3   | 6   | 6   | 2   | 2   | 0   | 8   | 2   | 2   | 5   | 8   | 51    | 1   |
| Workplace           | 0   | 1   | 4   | 2   | 3   | 1   | 3   | 3   | 3   | 2   | 1   | 0   | 23    | 1   |
| Someone else's home | 2   | 1   | 1   | 5   | 3   | 0   | 4   | 0   | 2   | 1   | 1   | 2   | 22    | 1   |
| Unable to answer    | 0   | 3   | 0   | 2   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 8     | 0   |
| Refused to answer   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 1   | 0   | 5     | 0   |
| Total               | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table 3 illustrates the number of individuals/attackers involved in the assault. During April 2007 to March 2008 information on number of attackers was not collected from the majority (81%) of assault patients. Where data was collected, just over half (54%) of assault patients had been assaulted by more than one person.

**Table 3: Assault attendances by number of individuals involved in assault and month, April 2007 to March 2008**

| Number of attackers | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 1                   | 29  | 33  | 29  | 27  | 26  | 21  | 19  | 35  | 26  | 22  | 17  | 33  | 317   | 8   |
| 2                   | 9   | 7   | 6   | 9   | 7   | 10  | 7   | 15  | 11  | 12  | 16  | 14  | 123   | 3   |
| 3                   | 14  | 5   | 6   | 2   | 10  | 5   | 10  | 8   | 2   | 7   | 3   | 3   | 75    | 2   |
| 4                   | 3   | 12  | 10  | 4   | 1   | 3   | 8   | 3   | 4   | 4   | 3   | 5   | 60    | 2   |
| 5 plus              | 7   | 10  | 13  | 7   | 5   | 3   | 7   | 13  | 15  | 8   | 16  | 11  | 115   | 3   |
| Unknown             | 277 | 256 | 258 | 264 | 291 | 243 | 308 | 225 | 267 | 210 | 219 | 256 | 3074  | 81  |
| Refused to answer   | 1   | 6   | 1   | 3   | 1   | 0   | 2   | 0   | 2   | 1   | 2   | 1   | 20    | 1   |
| Unable to answer    | 0   | 1   | 2   | 1   | 3   | 1   | 1   | 0   | 1   | 1   | 2   | 3   | 16    | 0   |
| Total               | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table 4 illustrates gender of attackers. Of those known 88% were male, compared with 9% female.

**Table 4: Assault attendances by gender of attackers and month, April 2007 to March 2008**

| Gender of attackers | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Both                | 2   | 2   | 3   | 1   | 0   | 1   | 3   | 1   | 2   | 0   | 2   | 4   | 21    | 1   |
| Female              | 4   | 6   | 3   | 4   | 3   | 9   | 3   | 12  | 4   | 4   | 4   | 6   | 62    | 2   |
| Male                | 55  | 57  | 55  | 44  | 41  | 32  | 43  | 57  | 50  | 48  | 50  | 55  | 587   | 15  |
| Unknown             | 279 | 262 | 260 | 268 | 296 | 243 | 310 | 226 | 269 | 211 | 217 | 256 | 3097  | 82  |
| Refused to answer   | 0   | 1   | 0   | 0   | 2   | 0   | 2   | 1   | 2   | 1   | 2   | 1   | 12    | 0   |
| Unable to answer    | 0   | 2   | 4   | 0   | 2   | 1   | 1   | 2   | 1   | 1   | 3   | 4   | 21    | 1   |
| Total               | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table five shows that the relationship between assault attendee and those involved in the assault was unknown in over four in five (82%) incidents during April 2007 to March 2008. Where data was collected, seven in ten (70%) assault patients had been assaulted by a stranger.

**Table 5: Assault attendances by relationship with attacker and month, April 2007 to March 2008**

| Relationship with attacker | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Unknown                    | 277 | 261 | 263 | 270 | 292 | 244 | 315 | 231 | 267 | 211 | 222 | 259 | 3112  | 82  |
| Stranger                   | 49  | 46  | 37  | 33  | 37  | 26  | 27  | 42  | 46  | 39  | 35  | 42  | 459   | 12  |
| Acquaintance/Friend        | 7   | 10  | 10  | 5   | 3   | 7   | 8   | 6   | 4   | 6   | 11  | 6   | 83    | 2   |
| Bouncer                    | 2   | 1   | 4   | 3   | 1   | 1   | 0   | 9   | 3   | 3   | 2   | 4   | 33    | 1   |
| Partner                    | 1   | 5   | 2   | 1   | 3   | 2   | 1   | 1   | 3   | 2   | 1   | 3   | 25    | 1   |
| Family member              | 2   | 3   | 2   | 1   | 3   | 2   | 1   | 3   | 1   | 0   | 0   | 4   | 22    | 1   |
| Unable to answer           | 1   | 1   | 3   | 1   | 1   | 2   | 2   | 3   | 1   | 1   | 2   | 2   | 20    | 1   |
| Ex-partner                 | 0   | 0   | 0   | 1   | 2   | 1   | 4   | 2   | 0   | 2   | 2   | 3   | 17    | 0   |
| Refused to answer          | 0   | 0   | 1   | 0   | 1   | 0   | 2   | 0   | 2   | 1   | 2   | 1   | 10    | 0   |
| Work client/Customer       | 1   | 1   | 3   | 1   | 0   | 0   | 1   | 1   | 1   | 0   | 0   | 0   | 9     | 0   |
| Police                     | 0   | 2   | 0   | 0   | 1   | 1   | 1   | 0   | 0   | 0   | 1   | 2   | 8     | 0   |
| Work mate/Colleague        | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 2     | 0   |
| Total                      | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table 6 shows method of attack. Of those known, 73% were attacked with a body part, such as a fist.

**Table 6: Assault attendances by method of attack and month, April 2007 to March 2008**

| Method of attack      | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Unknown               | 278 | 260 | 262 | 269 | 294 | 245 | 311 | 228 | 272 | 211 | 218 | 255 | 3102  | 82  |
| Body part (e.g. fist) | 47  | 47  | 41  | 40  | 31  | 32  | 38  | 48  | 40  | 36  | 39  | 51  | 490   | 13  |
| Other                 | 5   | 14  | 8   | 4   | 6   | 5   | 3   | 3   | 1   | 7   | 3   | 6   | 65    | 2   |
| Bottle                | 2   | 3   | 4   | 2   | 4   | 3   | 2   | 4   | 8   | 2   | 2   | 1   | 37    | 1   |
| Knife                 | 4   | 1   | 3   | 2   | 4   | 0   | 0   | 7   | 2   | 2   | 5   | 3   | 33    | 1   |
| Blunt object          | 3   | 1   | 4   | 0   | 1   | 0   | 3   | 3   | 1   | 4   | 4   | 3   | 27    | 1   |
| Unable to answer      | 0   | 1   | 2   | 0   | 2   | 0   | 1   | 3   | 1   | 0   | 5   | 3   | 18    | 0   |
| Glass                 | 0   | 2   | 1   | 0   | 0   | 1   | 2   | 2   | 0   | 1   | 0   | 2   | 11    | 0   |
| Refused to answer     | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 1   | 2   | 1   | 2   | 1   | 9     | 0   |
| Firearm               | 1   | 1   | 0   | 0   | 2   | 0   | 0   | 0   | 1   | 1   | 0   | 1   | 7     | 0   |
| Total                 | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table 7 shows that of those known, 30% of assault attendances had no intention of informing the police of their attack.

**Table 7: Assault attendances that have informed the police by month, April 2007 to March 2008**

| Informed the police | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Unknown             | 275 | 256 | 258 | 264 | 288 | 242 | 307 | 219 | 263 | 207 | 208 | 252 | 3039  | 80  |
| No                  | 22  | 21  | 16  | 15  | 20  | 13  | 16  | 20  | 29  | 12  | 20  | 28  | 232   | 6   |
| Yes                 | 43  | 53  | 51  | 38  | 36  | 31  | 39  | 60  | 36  | 46  | 50  | 46  | 529   | 14  |
| Total               | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

Table 8 shows that where data was collected, 57% of assault attendances had consumed alcohol within three hours prior to their attack.

**Table 8: Assault attendances who had consumed alcohol within three hours prior to their attack by month, April 2007 to March 2008**

| Alcohol consumption | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total | %   |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| Unknown             | 275 | 256 | 258 | 264 | 288 | 242 | 307 | 219 | 263 | 207 | 208 | 252 | 3039  | 80  |
| No                  | 27  | 17  | 20  | 31  | 27  | 22  | 29  | 29  | 19  | 21  | 24  | 19  | 285   | 8   |
| Refused to answer   | 1   | 1   | 0   | 1   | 1   | 2   | 4   | 3   | 3   | 2   | 3   | 3   | 24    | 1   |
| Unable to answer    | 5   | 25  | 13  | 5   | 4   | 4   | 2   | 8   | 3   | 1   | 5   | 2   | 77    | 2   |
| Yes                 | 32  | 31  | 34  | 16  | 24  | 16  | 20  | 40  | 40  | 34  | 38  | 50  | 375   | 10  |
| Total               | 340 | 330 | 325 | 317 | 344 | 286 | 362 | 299 | 328 | 265 | 278 | 326 | 3800  | 100 |

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Website: [www.nwpho.org.uk/ait](http://www.nwpho.org.uk/ait) (please note data requests should now be made through the website)

<sup>i</sup> Trauma relates to all A&E attendances presenting as a result of an accident or intentional/unintentional injury.

<sup>ii</sup> Further information on the location of assault, for example street/club name, is collected at the Royal Liverpool A&E department. This information 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 authors, whose details can be found at the end of this report.