

# Trauma and Injury Intelligence Group Biannual Bulletin

Salford Royal Hospital Emergency Department  
April 2014 to March 2015

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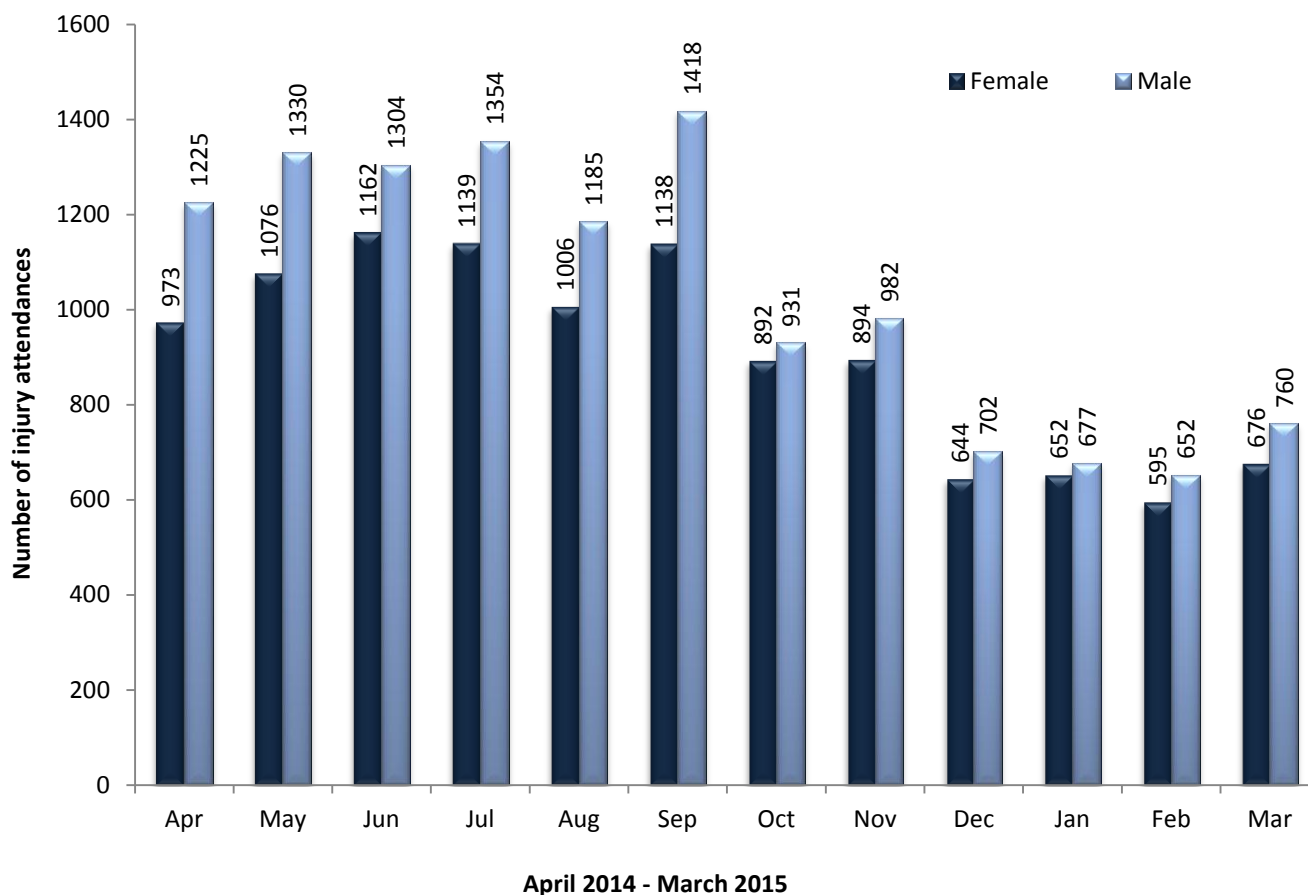
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## ALL INJURY ATTENDANCES

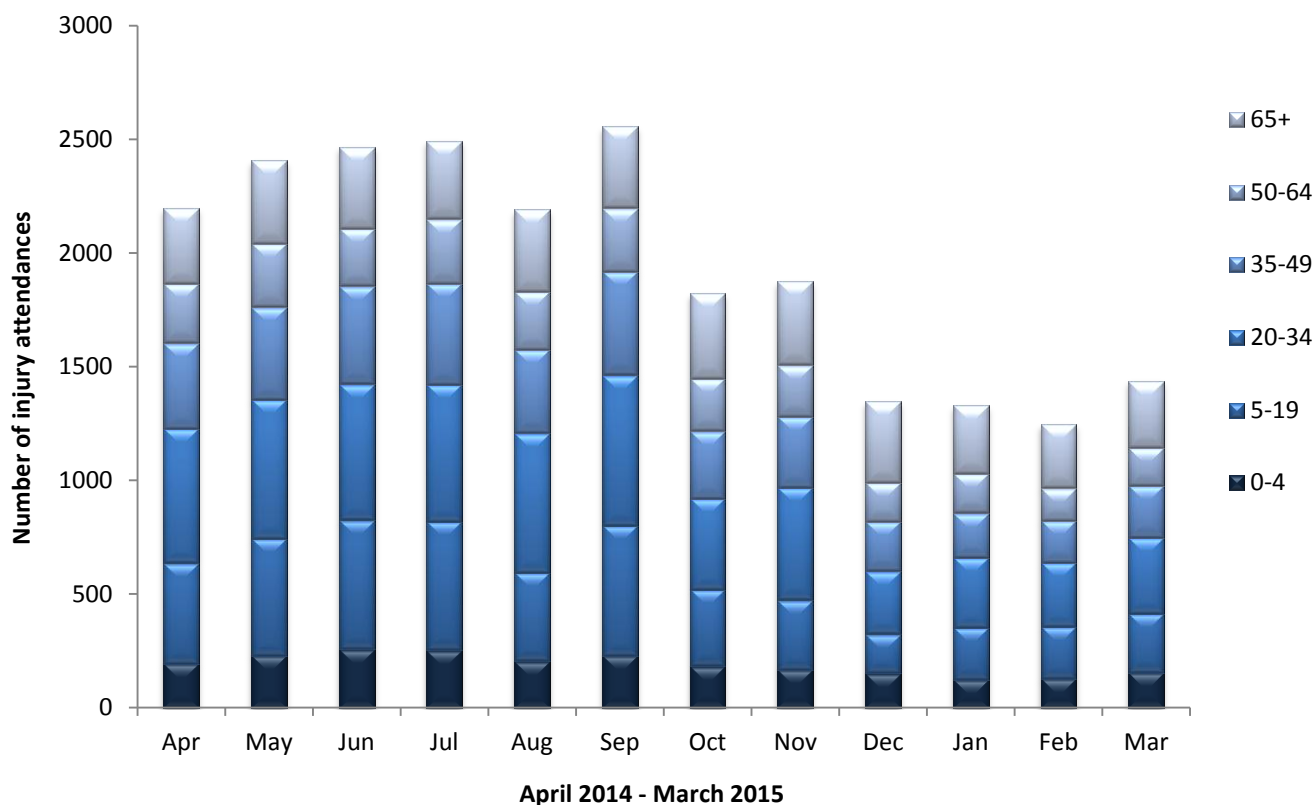
This bulletin provides a breakdown of all injury attendances to Salford Royal Hospital Emergency Department (ED) between April 2014 and March 2015. During this twelve month period there were 23,367 injury attendances to the ED. The month with the highest number of attendances, calculated as a daily average, was September 2014 (85 per day), while December 2014 and January 2015 had the fewest attendances (43 per day; figure 1).

**Figure 1: ED injury attendances by gender and month, April 2014 to March 2015**



Males accounted for over half (54%) of all attendances (figure 1). The largest proportions of attendances were for people aged between 20 and 34 years (25%) and between 5 and 19 years (20%; figure 2).

**Figure 2: ED injury attendances by age group and month, April 2014 to March 2015<sup>+</sup>**



+ Records where the age was unknown have been omitted, (n=<5).

The majority (56%) of attendances did not have a specific injury group recorded. Of the specified injury groups, falls accounted for the highest proportion (25%), assaults accounted for 5% of attendances and road traffic collisions (RTCs) accounted for 4% (table 1).

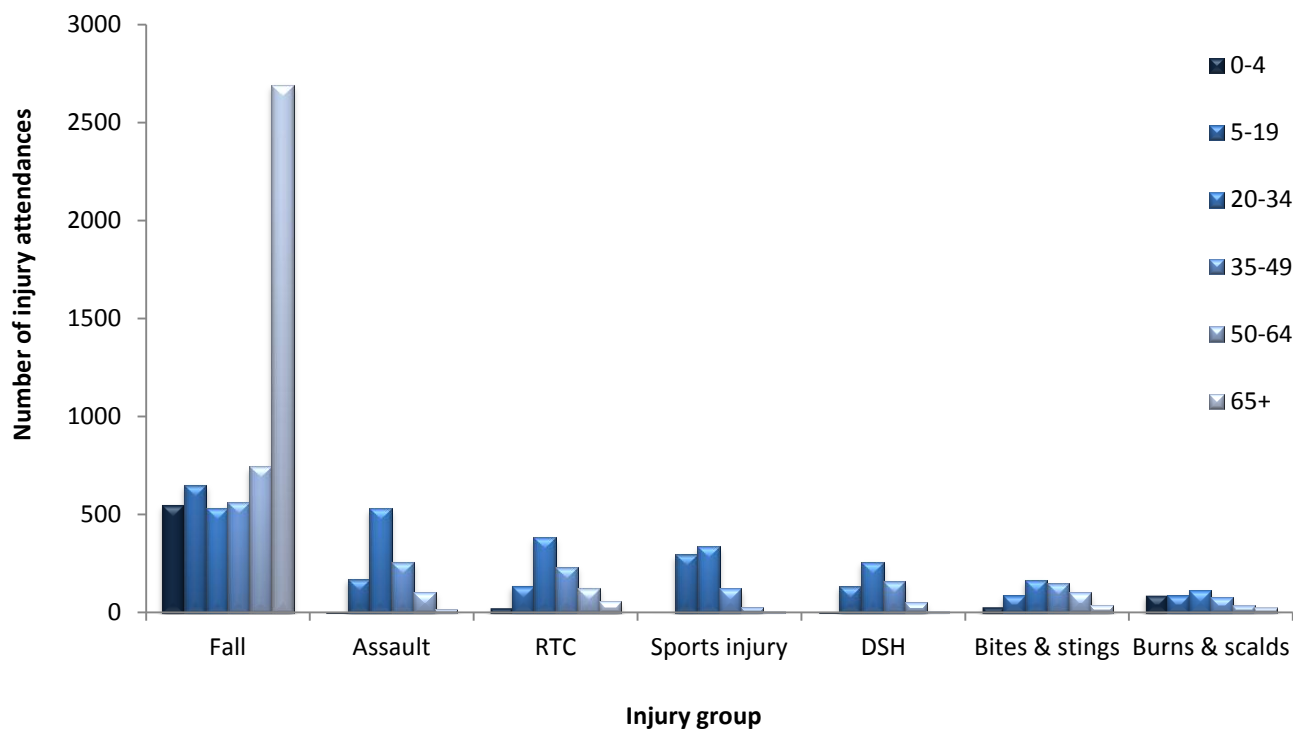
**Table 1: ED injury attendances by injury group and month, April 2014 to March 2015<sup>#</sup>**

| Injury group   | Apr         | May         | Jun         | Jul         | Aug         | Sep         | Oct         | Nov         | Dec         | Jan         | Feb         | Mar         | Total        | %          |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| Other injury   | 1308        | 1463        | 1470        | 1476        | 1194        | 1368        | 1155        | 1094        | 634         | 698         | 643         | 677         | 13180        | 56         |
| Fall           | 417         | 429         | 501         | 464         | 494         | 593         | 441         | 493         | 520         | 440         | 422         | 518         | 5732         | 25         |
| Assault        | 112         | 116         | 112         | 118         | 121         | 119         | 53          | 87          | 61          | 64          | 53          | 71          | 1087         | 5          |
| RTC            | 105         | 125         | 98          | 101         | 124         | 142         | 38          | 69          | 41          | 29          | 42          | 47          | 961          | 4          |
| Sports injury  | 119         | 87          | 102         | 115         | 71          | 177         | 23          | 35          | 8           | 12          | 13          | 28          | 790          | 3          |
| DSH            | 74          | 92          | 77          | 79          | 92          | 77          | 28          | 26          | 18          | 21          | 21          | 12          | 617          | 3          |
| Bites & stings | 34          | 45          | 65          | 100         | 59          | 39          | 58          | 38          | 34          | 32          | 21          | 45          | 570          | 2          |
| Burns & scalds | 29          | 49          | 41          | 40          | 36          | 41          | 27          | 34          | 30          | 33          | 32          | 38          | 430          | 2          |
| <b>Total</b>   | <b>2198</b> | <b>2406</b> | <b>2466</b> | <b>2493</b> | <b>2191</b> | <b>2556</b> | <b>1823</b> | <b>1876</b> | <b>1346</b> | <b>1329</b> | <b>1247</b> | <b>1436</b> | <b>23367</b> | <b>100</b> |

<sup>#</sup> Firework injury & unknown included in other injury, (n=<5).

Almost half (47%) of fall attendees were aged 65 years or over, half (49%) of assault attendees were aged between 20 and 34 years and four in ten (40%) RTC attendees were aged between 20 and 34 years (figure 3).

**Figure 3: ED injury attendances by age group and injury group (excluding other injury), April 2014 to March 2015<sup>§</sup>**



<sup>§</sup> Records where the age was unknown have been omitted, (n=<5).

Table 2 shows the ethnicity of injury attendees to Salford Royal Hospital ED. The large majority (89%) were White.

**Table 2: ED injury attendances by ethnicity and month, April 2014 to March 2015<sup>1,2</sup>**

| Ethnicity              | Apr         | May         | Jun         | Jul         | Aug         | Sep         | Oct         | Nov         | Dec         | Jan         | Feb         | Mar         | Total        | %          |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| White                  | 1880        | 2111        | 2141        | 2190        | 1916        | 2256        | 1601        | 1741        | 1250        | 1245        | 1161        | 1323        | 20815        | 89         |
| Not stated             | 157         | 131         | 163         | 156         | 137         | 147         | 104         | 20          | 14          | ***         | 11          | 16          | 1060         | 5          |
| Any other ethnic group | 56          | 64          | 51          | 34          | 22          | 32          | 30          | 30          | 14          | 17          | 12          | 20          | 382          | 2          |
| Black                  | 37          | 40          | 37          | 36          | 39          | 39          | 26          | 32          | 19          | 24          | 22          | 30          | 381          | 2          |
| Mixed                  | 26          | 21          | 22          | 26          | 27          | 30          | 19          | 24          | 17          | 14          | 15          | 16          | 257          | 1          |
| Any other Asian        | 9           | 14          | 11          | 11          | 9           | 19          | 18          | 14          | 9           | 8           | 10          | 15          | 147          | 1          |
| Pakistani              | 17          | 11          | 19          | 15          | 14          | 13          | 11          | 5           | 12          | 8           | 6           | 10          | 141          | 1          |
| Indian                 | 7           | 10          | <10         | 11          | 9           | 7           | 5           | 5           | 5           | 5           | ***         | ***         | 80           | 0          |
| Chinese                | ***         | ***         | 10          | <15         | 10          | 8           | <10         | ***         | 6           | ***         | 5           | ***         | 74           | 0          |
| Bangladeshi            | <10         | ***         | ***         | ***         | 8           | 5           | ***         | ***         | 0           | ***         | ***         | 0           | 30           | 0          |
| <b>Total</b>           | <b>2198</b> | <b>2406</b> | <b>2466</b> | <b>2493</b> | <b>2191</b> | <b>2556</b> | <b>1823</b> | <b>1876</b> | <b>1346</b> | <b>1329</b> | <b>1247</b> | <b>1436</b> | <b>23367</b> | <b>100</b> |

The disposal of a patient can give an indication of the severity of the injuries sustained. Almost half (46%) of attendees were discharged, almost three in ten (29%) were referred for further treatment and 21% were admitted to hospital (table 3).

<sup>1</sup> Please note that for all tables, all numbers less than five have been suppressed (\*\*\*) in line with patient confidentiality. If there is only one number less than five in a category then two numbers will be suppressed to prevent back calculation from totals.

<sup>2</sup> White = Irish, British, other White background; Mixed = White and Black, White and Asian, mixed - any other; Black = African, Caribbean, other Black.

**Table 3: ED injury attendances by disposal method and month, April 2014 to March 2015**

| Disposal method    | Apr         | May         | Jun         | Jul         | Aug         | Sep         | Oct         | Nov         | Dec         | Jan         | Feb         | Mar         | Total        | %          |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| Discharged         | 1054        | 1153        | 1169        | 1244        | 1056        | 1168        | 724         | 779         | 590         | 567         | 543         | 638         | 10685        | 46         |
| Referral/follow up | 637         | 710         | 741         | 747         | 648         | 891         | 463         | 502         | 344         | 371         | 330         | 383         | 6767         | 29         |
| Admitted           | 428         | 455         | 463         | 428         | 435         | 415         | 383         | 374         | 371         | 357         | 333         | 375         | 4817         | 21         |
| Other              | 79          | 88          | 93          | 74          | 52          | 82          | 253         | 221         | 41          | 34          | 41          | 40          | 1098         | 5          |
| <b>Total</b>       | <b>2198</b> | <b>2406</b> | <b>2466</b> | <b>2493</b> | <b>2191</b> | <b>2556</b> | <b>1823</b> | <b>1876</b> | <b>1346</b> | <b>1329</b> | <b>1247</b> | <b>1436</b> | <b>23367</b> | <b>100</b> |

Table 4 shows the arrival method of attendances to the ED. Just over a fifth (22%) of attendees arrived by ambulance.

**Table 4: ED injury attendances by arrival mode and month, April 2014 to March 2015**

| Arrival mode            | Apr         | May         | Jun         | Jul         | Aug         | Sep         | Oct         | Nov         | Dec         | Jan         | Feb         | Mar         | Total        | %          |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| Brought in by ambulance | 450         | 492         | 485         | 498         | 505         | 518         | 404         | 390         | 397         | 384         | 338         | 385         | 5246         | 22         |
| Other                   | 1748        | 1914        | 1981        | 1995        | 1686        | 2038        | 1419        | 1486        | 949         | 945         | 909         | 1051        | 18121        | 78         |
| <b>Total</b>            | <b>2198</b> | <b>2406</b> | <b>2466</b> | <b>2493</b> | <b>2191</b> | <b>2556</b> | <b>1823</b> | <b>1876</b> | <b>1346</b> | <b>1329</b> | <b>1247</b> | <b>1436</b> | <b>23367</b> | <b>100</b> |

Table 5 shows the incident location. Almost seven in ten (68%) injury attendances were recorded as other location, while 17% occurred in the home and 6% occurred in a public place.

**Table 5: ED injury attendances by incident location and month, April 2014 to March 2015**

| Incident location         | Apr         | May         | Jun         | Jul         | Aug         | Sep         | Oct         | Nov         | Dec         | Jan         | Feb         | Mar         | Total        | %          |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| Other                     | 1573        | 1663        | 1700        | 1793        | 1509        | 1686        | 1283        | 1282        | 825         | 813         | 775         | 917         | 15819        | 68         |
| Home                      | 335         | 376         | 402         | 353         | 388         | 442         | 277         | 282         | 332         | 317         | 280         | 290         | 4074         | 17         |
| Public place              | 118         | 140         | 152         | 130         | 169         | 183         | 107         | 136         | 84          | 77          | 66          | 84          | 1446         | 6          |
| Work                      | 115         | 128         | 124         | 127         | 119         | 139         | 88          | 99          | 63          | 63          | 67          | 73          | 1205         | 5          |
| Educational establishment | 57          | 99          | 88          | 90          | 6           | 106         | 68          | 77          | 42          | 59          | 59          | 72          | 823          | 4          |
| <b>Total</b>              | <b>2198</b> | <b>2406</b> | <b>2466</b> | <b>2493</b> | <b>2191</b> | <b>2556</b> | <b>1823</b> | <b>1876</b> | <b>1346</b> | <b>1329</b> | <b>1247</b> | <b>1436</b> | <b>23367</b> | <b>100</b> |

## ASSAULT ATTENDANCES

Between April 2014 and March 2015 there were 1,087 assault-related injury attendances to Salford Royal Hospital ED. The majority of attendees (74%) were male and almost half (49%) were aged between 20 and 34 years while just under one-quarter (24%) were aged between 35 and 49 years. A third of assaults (33%) arrived at the department by ambulance (table 6).

**Table 6: ED assault attendances by gender, arrival mode and age group, April 2014 to March 2015<sup>^</sup>**

|                     | Assault attendances (n=1,087) |    | All injury attendances (n=23,367) |    |
|---------------------|-------------------------------|----|-----------------------------------|----|
|                     | n                             | %  | n                                 | %  |
| <b>Gender</b>       |                               |    |                                   |    |
| <b>Male</b>         | 799                           | 74 |                                   | 54 |
| <b>Female</b>       | 288                           | 26 |                                   | 46 |
| <b>Arrival mode</b> |                               |    |                                   |    |
| <b>Other</b>        | 731                           | 67 |                                   | 78 |
| <b>Ambulance</b>    | 356                           | 33 |                                   | 22 |
| <b>Age group</b>    |                               |    |                                   |    |
| <b>0 - 4</b>        | 6                             | 1  |                                   | 10 |
| <b>5-19</b>         | 171                           | 16 |                                   | 20 |
| <b>20 - 34</b>      | 531                           | 49 |                                   | 25 |
| <b>35 - 49</b>      | 257                           | 24 |                                   | 17 |
| <b>50 - 64</b>      | 104                           | 10 |                                   | 12 |
| <b>65 plus</b>      | 17                            | 2  |                                   | 17 |

<sup>^</sup> Records where the age was unknown have been omitted (n=<5).