



## DEA-24-00461: Life Threatening External Bleeding

|  |  |
|--|--|
| <b>Data Inclusions</b>   | Source: C3 and MobiMed from 2018-01-01 to 2023-12-31   |
|  | Where Despatch Code equals: '21C02M', '21C02T', '21D00M', '21D00T', '21D03T', '21D04T', '21D05T', '27B03G', '27B03I', '27B03P', '27B03S', '27B03X', '27B03Y'         |
|  | Where CallStopReason is NULL or Not equal to: 'Duplicate Call', 'Call Entered in Error', 'Call for Information Only', 'Test Call', 'Done by another ambulance trust' |
|  | Where detailsNatureofCall contains 'limb amp'  |
|  | Where WoundCareTourniquet is NOT null  |
|  | Where CatastrophicHaemorrhage equals Yes   |
|  | Where WoundCareHaemostatisGauze is NOT null  |
|  | Where PresentingConditionChiefComplaintHistoryFreeText contains 'Arterial Bleed'   |
| <b>NOTE: Data for analysis purposes is only recorded from 2020 onwards. Any counts less than 5 have been aggregated to &lt;5 due to data protection.</b> |  |

1. How many cases of life-threatening external bleeding has your service seen in each of the previous 5 calendar years 2019 to 2023 inclusive?

|     | 2020 | 2021 | 2022 | 2023 | Total |
|-----|------|------|------|------|-------|
| Jan | 17   | 18   | 22   | 26   | 83    |
| Feb | 16   | 20   | 22   | 14   | 72    |
| Mar | 16   | 21   | 20   | 18   | 75    |
| Apr | 22   | 13   | 23   | 16   | 74    |
| May | 25   | 22   | 19   | 9    | 75    |
| Jun | 22   | 29   | 31   | 20   | 102   |

|              |            |            |            |            |             |
|--------------|------------|------------|------------|------------|-------------|
| Jul          | 21         | 29         | 23         | 26         | 99          |
| Aug          | 22         | 17         | 14         | 30         | 83          |
| Sep          | 20         | 28         | 15         | 25         | 88          |
| Oct          | 13         | 29         | 17         | 19         | 78          |
| Nov          | 19         | 22         | 17         | 21         | 79          |
| Dec          | 26         | 30         | 21         | 20         | 97          |
| <b>Total</b> | <b>239</b> | <b>278</b> | <b>244</b> | <b>244</b> | <b>1005</b> |

2. In each Year, how many of these incidents were categorised as happening in a place of work / a public place / a residential address etc.

| Location Type                                    | 2020       | 2021       | 2022       | 2023       | Total       |
|--|------------|------------|------------|------------|-------------|
| Commercial office - banks, post offices, offices |            |            | <5         | <5         | <5          |
| Commercial other                                 |            |            | <5         |            | <5          |
| Domestic - Apartments/flats                      | 11         | 9          | 14         | 10         | 44          |
| Domestic - Terrace                               |            |            | <5         |            | <5          |
| Recreation (sports facilities)                   |            |            |            | <5         | <5          |
| Retail (shops, showrooms etc)                    |            |            | <5         | <5         | <5          |
| Not Specified                                    | 228        | 267        | 225        | 228        | 948         |
| Hospitality (incl hotels, b&b)                   |            |            |            | <5         | <5          |
| Domestic - detached                              |            | <5         |            |            | <5          |
| <b>Total</b>                                     | <b>239</b> | <b>278</b> | <b>244</b> | <b>244</b> | <b>1005</b> |

3. In each Year and in each Location Type, how many casualties received intervention with a tourniquet and how many with a haemostatic dressing (ambulance or first aider applied)? -- C3

Not Recorded

4. In each Year, in each Category and each Treatment Type, how many cases resulted in fatality?

| Location                    | 2020         | 2022         | Grand Total  |
|-----------------------------|--------------|--------------|--------------|
| Domestic - Apartments/flats |              | <5           | <5           |
| Not Specified               | <5           |              | <5           |
| <b>Total</b>                | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> |

5. If possible, please provide break downs on cause of the injury eg, self-harm, violence, fall, RTC etc.

| Cause of Injury / Chief Complaint  | 2020       | 2021       | 2022       | 2023       | Total       |
|------------------------------------|------------|------------|------------|------------|-------------|
| 999 PASSED FROM OTHER SERVICE      |            | <5         |            | <5         | <5          |
| HAEMORRHAGE / LACERATIONS          | 216        | 251        | 217        | 202        | 886         |
| PANDEMIC / EPIDEMIC / OUTBREAK     | <5         | <5         |            |            | 6           |
| SICK PERSON (Specific Diagnosis)   | 6          | <5         | <5         | 16         | 28          |
| TRAUMATIC INJURIES (Specific)      |            |            | <5         |            | <5          |
| FALLS                              | <5         |            |            | <5         | <5          |
| STAB / GUNSHOT / PENETRATING TRAUM | 11         | 18         | 17         | 22         | 68          |
| UNKNOWN PROBLEM (Collapse-3rd Pty) |            |            | <5         | <5         | <5          |
| ASSAULT / SEXUAL ASLT / STUN GUN   |            |            | <5         | <5         | <5          |
| PSYCH / ABN BEHAVIOUR / SUICIDE AT |            | <5         | <5         |            | <5          |
| OVERRIDE TO CAT4                   |            |            | <5         |            | <5          |
| OVERDOSE / POISONING (Ingestion)   | <5         |            |            |            | <5          |
| <b>Total</b>                       | <b>239</b> | <b>278</b> | <b>244</b> | <b>244</b> | <b>1005</b> |

6. In each Year and in each Location Type, how many of the incidents were initially categorised as a Category 1 (red/purple) response?  
How many were initially categorised as a Category 2 response?

| Location Type - CAT1                             | 2020       | 2021       | 2022       | 2023       | Total      |
|--|------------|------------|------------|------------|------------|
| Commercial office - banks, post offices, offices |            |            | <5         | <5         | <5         |
| Domestic - Apartments/flats                      | 11         | 9          | 11         | 9          | 40         |
| Domestic - Terrace                               |            |            | <5         |            | <5         |
| Recreation (sports facilities)                   |            |            |            | <5         | <5         |
| Retail (shops, showrooms etc)                    |            |            | <5         | <5         | <5         |
| Not Specified                                    | 217        | 250        | 211        | 208        | 886        |
| Domestic - detached                              |            | <5         |            |            | <5         |
| <b>Total</b>                                     | <b>228</b> | <b>260</b> | <b>226</b> | <b>222</b> | <b>936</b> |

| Location Type - CAT2           | 2020      | 2021      | 2022      | 2023      | Total     |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| Commercial other               |           |           | <5        |           | <5        |
| Domestic - Apartments/flats    |           |           | <5        | <5        | <5        |
| Not Specified                  | 11        | 17        | 14        | 20        | 62        |
| Hospitality (incl hotels, b&b) |           |           |           | <5        | <5        |
| Domestic - detached            |           | <5        |           |           | <5        |
| <b>Total</b>                   | <b>11</b> | <b>18</b> | <b>18</b> | <b>22</b> | <b>69</b> |

7. For each Year, and for each Location Type, what was the average time taken for an ambulance clinician to arrive on scene?

7. For each Year, and for each Location Type, what was the average time taken for an ambulance clinician to arrive on scene?

| Location Type and Average Response Time          | 2020            | 2021            | 2022            | 2023            | Total           |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Commercial office - banks, post offices, offices |                 |                 | 00:06:10        | 00:05:06        | 00:05:38        |
| Commercial other                                 |                 |                 | 00:56:25        |                 | 00:56:25        |
| Domestic - Apartments/flats                      | 00:12:12        | 00:16:26        | 00:12:07        | 00:08:35        | 00:12:18        |
| Domestic - Terrace                               |                 |                 | 00:07:14        |                 | 00:07:14        |
| Retail (shops, showrooms etc)                    |                 |                 | 00:05:41        | 00:17:37        | 00:13:39        |
| Not Specified                                    | 00:13:38        | 00:15:37        | 00:17:12        | 00:15:01        | 00:15:23        |
| Hospitality (incl hotels, b&b)                   |                 |                 |                 | 00:07:11        | 00:07:11        |
| Domestic - detached                              |                 | 00:14:14        |                 |                 | 00:14:14        |
| <b>Total</b>                                     | <b>00:13:34</b> | <b>00:15:38</b> | <b>00:16:56</b> | <b>00:14:43</b> | <b>00:15:14</b> |

8. For each Year and for each Location Type, how often were ambulance resources 'stood-off' or 'held-off' until police had secured the scene?

NA

**ADDITIONAL QUESTION with EPR - 23/04/24**

Yes to 'Catastrophic Bleeding' was selected in the primary survey on the EPR

| CatastrophicHaemorrhage' = 'Yes' | Total |
|----------------------------------|-------|
|                                  | 348   |

There was a limb amputation (hand/foot/arm/leg) indicated on the EPR or 999 call.

| detailsNatureCall' contains 'Limb Amputation' | Total |
|---|-------|
|   | <5    |

A tourniquet was used

| WoundCareTourniquet' is NOT Null | Total |
|----------------------------------|-------|
|                                  | 6     |

A haemostatic dressing was used

|                                       |              |
|---------------------------------------|--------------|
| WoundCareHaemostaticGauze is NOT Null | <b>Total</b> |
|                                       | <b>47</b>    |

If the clinician wrote "arterial bleed" or "arterial bleeding" or similar in the free text on the EPR.

|  |              |
|--|--------------|
| PresentingConditionChiefComplaintHistroyFreeText contians 'Arterial Bleed' | <b>Total</b> |
|  | <b>5</b>     |

In the incoming call, the caller alluded to severe bleeding "that was not controlled".

**Not Recorded**