Supplementary Item 2: Example of a local trauma team activation policy (Reference: UCLH Trauma Operational Policy, January 2019)

University College London Hospitals
NHS

UCH TRAUMA UNIT
NHS Foundation Trust

Paediatric trauma call criteria
A trauma call may be initiated at any time at the emergency department by any doctor or nurse. Call 999/112/.Registered trauma team to emergency department immediately.

Mechanism
- Fall more than twice the child's height
- RTC passenger >30mph
- RTC ejection from vehicle
- RTC death of other passenger in RTC
- RTC rollover or significant vehicle deformation
- RTC pedestrian or cyclist vs. vehicle
- Bicycle injury resulting in groin / abdominal pain
- Fall from or trampled by large animals
- Entrapment >24hrs
- Gunshot wound
- Major crush injury
- Blunt injury
- HEMS call

Injury pattern
- Potential airway injury
- Significant chest injury
- Major haemorrhage
- Burns >20% BSA
- Facial burn or circumferential burn
- Penetrating injury to head, neck, or torso
- Penetrating injury to arm proximal to elbow
- Penetrating injury to leg proximal to knee
- Amputation or open fracture proximal to wrist
- Amputation or open fracture proximal to ankle
- Suspected pelvic fracture

2 or more suspected long bone fractures

Physiology
- History of trauma and any one of:
  - Intubated patient
  - Respiratory rate outside the range given in the table to the right
  - Hypovolaemic
  - Heart rate outside the range given in the table to the right
  - Reduced conscious level (GCS <14 or less than A on AVPU) and/or significant confusion or agitation
  - Limb paralysis, paraplegia or quadriplegia

Children's normal vital signs

<table>
<thead>
<tr>
<th>Age (years)</th>
<th>Resp. rate (min⁻¹)</th>
<th>Pulse rate (min⁻¹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1</td>
<td>20 – 40</td>
<td>110 – 160</td>
</tr>
<tr>
<td>1 – 2</td>
<td>25 – 35</td>
<td>100 – 140</td>
</tr>
<tr>
<td>2 – 5</td>
<td>25 – 35</td>
<td>95 – 140</td>
</tr>
<tr>
<td>5 – 11</td>
<td>20 – 25</td>
<td>80 – 120</td>
</tr>
<tr>
<td>&gt; 12</td>
<td>12 – 20</td>
<td>60 – 100</td>
</tr>
</tbody>
</table>

Please document in the trauma book/line for each trauma call patients and change the CPR procedure completed to TRAUMA CALL. Leave a copy of the completed trauma book/line in the box in preadmission bay 1.