Good NEWS on RRAILS
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• Rationale for introduction
• 1000 lives PLUS
• Human factors
An Acute Problem?
“An Acute Problem”
Making patient safety a priority
Making patient safety a priority

- Rapid Response to Acute Illness (RRAILS)
- Bundles for ...
  - Admission
  - Recognition
  - Response
  - Sepsis
Human Factors affecting RRTs

- Screening
- Scoring
- Monitoring
- Recognition
- Team
- Treatment
- Response
- Timing
## Results

<table>
<thead>
<tr>
<th>Physiological Parameters</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory rate (bpm)</td>
<td>≤8</td>
<td>9-11</td>
<td>12-20</td>
<td>≥21-24</td>
<td>≥25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxygen Saturations (%)</td>
<td>≤91</td>
<td>92-93</td>
<td>94-95</td>
<td>≥96</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any supplemental Oxygen</td>
<td>Yes</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systolic BP (mmHg)</td>
<td>≤90</td>
<td>91-100</td>
<td>101-110</td>
<td>111-219</td>
<td>≥220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulse (bpm)</td>
<td>≤40</td>
<td>41-50</td>
<td>51-90</td>
<td>91-110</td>
<td>111-130</td>
<td>≥131</td>
<td></td>
</tr>
<tr>
<td>AVPU score</td>
<td></td>
<td>Alert</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>≤35.0</td>
<td>35.1-36.0</td>
<td>36.1-38.0</td>
<td>38.1-39.0</td>
<td>≥39.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Concern about a patient should lead to escalation, regardless of the score.**
## NHS Early Warning Score Wales

<table>
<thead>
<tr>
<th>NEWS</th>
<th>MIN. MONITORING</th>
<th>ALERT</th>
<th>REVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score 0-2</td>
<td>12 Hourly</td>
<td>If concern</td>
<td></td>
</tr>
<tr>
<td><strong>6 = SICK! Score 6-8</strong></td>
<td>1-2 Hourly</td>
<td>+ Doctor &amp; ANP/Outreach</td>
<td>within 30 minutes, concern or failure to improve: SBAR Senior</td>
</tr>
<tr>
<td><strong>9 = NOW! Score 9+</strong></td>
<td>30 mins</td>
<td>+ SPR or equivalent</td>
<td>within 15 minutes SBAR Consultant &amp; ICU?</td>
</tr>
</tbody>
</table>

Note of caution: Frequency of observations can be increased at your discretion. Equally if you are concerned about a patient, please escalate regardless of the score!
Switching

The Society for Acute Medicine, 5th International Conference, Imperial College London 29-30 September 2011
Deadline: 1st April 2012

- Steering Group
- Learning Events
- Telephone clinic

- Academia
- Business
- Clinicians
Conclusions

• Collaborative approach
• Challenges ahead
  – Medical champions
  – Integration of bundles
  – Measurements of failure to rescue