Managing deterioration in Primary Care & at Transition of Care

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What do WE know?

- **360 million** consultations/year in General Practice
- **Many causes for physical deterioration including** sepsis
- 150,000 cases of sepsis/year in UK
- Sepsis is responsible for more than 44,000 deaths/year in UK
- 70% cases of sepsis arose in the community
What does evidence tell us? 
(NHSI, NHSE, Parliamentary & Health Service Ombudsman, NCEPOD, NICE)

- **Delayed** recognition of deterioration
- **Lack** of standardised assessments, **Incomplete** vital signs
- **Failure** to act on deterioration
- **No standardised** transfer language to assign ‘risk’

<table>
<thead>
<tr>
<th>NEWS</th>
<th>Mortality/ICU</th>
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<tbody>
<tr>
<td>&lt;5</td>
<td>8%</td>
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<tr>
<td>≥5</td>
<td>23%</td>
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<tr>
<td>≥7</td>
<td>27%</td>
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<tr>
<td>≥9</td>
<td>35%</td>
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Connecting and sharing across Wessex to improve patient safety
What are the contributing factors? (SEIPS-2 model)

Root cause analysis: HFE Fishbone Diagram- Factors contributing to errors at transition of care in the SOS pathway from OOH to Secondary Care.

- Tools and Tech
- Tasks
- Internal Environment
- Organisation
- People Factors
- External Environment

Factors impending transition of care in SOS
**NEWS2**

<table>
<thead>
<tr>
<th>Physiological Parameter</th>
<th>Score</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature (°C)</td>
<td>x35.0</td>
<td>35.1-36.0</td>
<td>36.1-38.0</td>
<td>38.1-39.9</td>
<td>≥39.1</td>
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<tr>
<td>Blood pressure (mmHg)</td>
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<td>Central venous pressure</td>
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<tr>
<td>Arterial oxygen saturation (%)</td>
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<tr>
<td>Arterial pH</td>
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<tr>
<td>Arterial carbon dioxide</td>
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<tr>
<td>Arterial lactate</td>
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<tr>
<td>Respiratory rate (bpm)</td>
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<td></td>
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<tr>
<td>Heart rate (bpm)</td>
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</table>

**Wessex All Cause Deterioration Guidance**

**NEWS 0-2**: The score indicates the patient is at LOW RISK

**NEWS 3-4**: The score indicates the patient is at MEDIUM RISK

**NEWS ≥ 5**: The score indicates the patient is at HIGH RISK

**NEWS ≥ 7**: The score indicates the patient is at CRITICAL RISK

**Think Sepsis!**

**Soft Signs of Deterioration**

Care Home NEWS2 Chart

West Hampshire CCG

Wessex Patient Safety Collaborative

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Any Questions?

Thank You