

**SUPPLEMENTAL DIGITAL CONTENT 1.** High- and medium-risk criteria for sepsis in children per National Institute for Health and Care excellence guidelines:

| Risk Level  | Category             | Criteria   |
|-------------|----------------------|--|
| High Risk   | Behavior             | <ul style="list-style-type: none"> <li>- No response to social cues</li> <li>- Appears ill or unwell</li> <li>- Unable to wake or stay awake</li> </ul>  |
|             | Respiratory          | <ul style="list-style-type: none"> <li>- Grunting</li> <li>- Apnea</li> <li>- Severe chest indrawing</li> <li>- Respiratory rate: <math>\geq 60</math> breaths/min (any age)</li> </ul>  |
|             | Circulation and Skin | <ul style="list-style-type: none"> <li>- Cyanosis of skin, lips, or tongue</li> <li>- Mottled, ashen, or pale appearance</li> <li>- Cold extremities</li> <li>- Heart rate: <math>&lt; 60</math> bpm (bradycardia, any age)</li> <li>- Capillary refill time: <math>&gt; 3</math> seconds</li> </ul> |
|             | Other                | <ul style="list-style-type: none"> <li>- Hypotension (age-specific thresholds)</li> </ul>  |
| Medium Risk | Behavior             | <ul style="list-style-type: none"> <li>- Not responding normally to social cues</li> <li>- Wakes only with prolonged stimulation</li> </ul>  |
|             | Respiratory          | <ul style="list-style-type: none"> <li>- Nasal flaring</li> <li>- Oxygen saturation <math>&lt; 92\%</math> in air or increased oxygen requirement</li> <li>- Respiratory rate: <math>&gt; 50</math> breaths/min (2–12 months), <math>&gt; 40</math> breaths/min (1–5 years)</li> </ul>               |
|             | Circulation and Skin | <ul style="list-style-type: none"> <li>- Pale or flushed skin</li> <li>- Reduced urine output</li> <li>- Capillary refill time: 2–3 seconds</li> <li>- Heart rate: <math>&gt; 160</math> bpm (under 1 year), <math>&gt; 150</math> bpm (1–2 years), <math>&gt; 140</math> bpm (2–5 years)</li> </ul> |
|             | Other                | <ul style="list-style-type: none"> <li>- Temperature: <math>\geq 38^{\circ}\text{C}</math> or <math>\leq 36^{\circ}\text{C}</math> (in children under 3 months)</li> <li>- Signs of infection (e.g., rash, redness)</li> </ul>   |