

Feverish illness and/or Seriously ill child 0-5y

Pathway and Assessment in Primary and Secondary Care – revised Apr 2016

	<b>GREEN Low risk</b>	<b>AMBER 1 Low moderate</b>	<b>AMBER 2 High moderate</b>	<b>RED High risk</b>								
<b>Behaviour</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Alert</li> <li><input type="checkbox"/> Responds normally to social cues</li> <li><input type="checkbox"/> Content/smiles</li> <li><input type="checkbox"/> Normal cry</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Lethargic</li> <li><input type="checkbox"/> Some response to social cues</li> <li><input type="checkbox"/> Wingey – not irritable</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Irritable</li> <li><input type="checkbox"/> Drowsy</li> <li><input type="checkbox"/> Poor response to social cues</li> <li><input type="checkbox"/> No smile</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Appears ill to healthcare professional</li> <li><input type="checkbox"/> Unable to rouse</li> <li><input type="checkbox"/> Does not respond to social cues</li> <li><input type="checkbox"/> Weak, high pitched or distressed cry</li> </ul>								
<b>Skin</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Normal colour skin, lips and tongue</li> <li><input type="checkbox"/> Normal turgor</li> <li><input type="checkbox"/> CRT &lt;2 seconds</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Pale</li> <li><input type="checkbox"/> CRT 2-3 seconds</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Pale</li> <li><input type="checkbox"/> CRT &gt; 3 seconds</li> <li><input type="checkbox"/> Reduced turgor/sunken eyes</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Reduced skin turgour</li> <li><input type="checkbox"/> Pale/mottled/ashen</li> <li><input type="checkbox"/> CRT &gt;3 seconds</li> </ul>								
<b>Respiratory Rate</b>  <table border="1" style="font-size: small;"> <tr> <td>&lt; 1y</td> <td>30-40</td> </tr> <tr> <td>1-2y</td> <td>25-35</td> </tr> <tr> <td>2-5y</td> <td>25-30</td> </tr> <tr> <td>5-12y</td> <td>20-25</td> </tr> </table>	< 1y	30-40	1-2y	25-35	2-5y	25-30	5-12y	20-25	<ul style="list-style-type: none"> <li><input type="checkbox"/> Normal breathing pattern</li> <li><input type="checkbox"/> Sats 95% or above</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Oxygen saturations 94% in air</li> <li><input type="checkbox"/> Mild Tachypnoea (see normal values)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Nasal Flare</li> <li><input type="checkbox"/> Moderate Tachypnoea (see normal values)</li> <li><input type="checkbox"/> Oxygen saturation 93% or below in air</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Grunting</li> <li><input type="checkbox"/> Severe Tachypnoea &gt; 60 breaths/min</li> <li><input type="checkbox"/> Moderate or severe chest indrawing</li> </ul>
< 1y	30-40											
1-2y	25-35											
2-5y	25-30											
5-12y	20-25											
<b>Feeding and hydration</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Normal skin and eyes</li> <li><input type="checkbox"/> Moist mucous membranes</li> <li><input type="checkbox"/> Normal Urine output</li> <li><input type="checkbox"/> Tolerating 75% of fluids</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Tolerating 50-75% fluid intake</li> <li><input type="checkbox"/> Mildly reduced urine output</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Dry mucous membranes</li> <li><input type="checkbox"/> Tolerating &lt; 50% of fluid intake</li> <li><input type="checkbox"/> Moderately reduced urine output</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> &lt; 50% usual fluid intake with</li> <li><input type="checkbox"/> Significantly reduced urine output</li> <li><input type="checkbox"/> Sunken fontanelle</li> <li><input type="checkbox"/> Bile stained vomit</li> </ul>								
<b>Other</b> <table border="1" style="font-size: small;"> <tr> <td>Age</td> <td>HR</td> </tr> <tr> <td>&lt; 1y</td> <td>110-160</td> </tr> <tr> <td>1-2 y</td> <td>100-150</td> </tr> <tr> <td>2-5 y</td> <td>95-140</td> </tr> </table>	Age	HR	< 1y	110-160	1-2 y	100-150	2-5 y	95-140	<ul style="list-style-type: none"> <li><input type="checkbox"/> No amber or red symptoms or signs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 3-6 mo &lt;39°C</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 3-6 months 39°C or above</li> <li><input type="checkbox"/> Fever for 5 days or more</li> <li><input type="checkbox"/> Swelling of a limb or joint</li> <li><input type="checkbox"/> Non weight bearing/not using an extremity</li> <li><input type="checkbox"/> New lump or swelling &gt;2 cm</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 0-3 months 38°C or above</li> <li><input type="checkbox"/> Non blanching rash</li> <li><input type="checkbox"/> Bulging fontanelle</li> <li><input type="checkbox"/> Neck stiffness</li> <li><input type="checkbox"/> Status epilepticus</li> <li><input type="checkbox"/> Focal neurological signs</li> <li><input type="checkbox"/> Focal seizures</li> </ul>
Age	HR											
< 1y	110-160											
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	<p><b>Self Care at home</b></p> <p>Provide appropriate and clear advice to parents to manage temperature and maintain hydration.</p> <p>Safety netting to look out for signs of deterioration.</p>	<p>Prior to referral to CAU, consider</p> <p>Second review( in primary care) and Senior review (in A&amp;E)</p> <p>Discuss with Paeds Registrar if required</p>	<p>Urgent referral to CAU</p> <p>Paediatric nurse (within 15 mins)</p> <p>Paediatric ST1-3/F2 (within 1 h)</p> <p>Middle grade (within 4 hours)</p>	<p>999 Ambulance transfer to A&amp;E</p> <p>Urgent assessment by Senior A&amp;E and Paediatric teams</p>								

Adapted from

1. NHS National Institute for Clinical Excellence (2007) *Feverish illness in children*
2. *Arch Dis Child Educ Pract Ed* 2013;98:232-235 doi:10.1136/archdischild-2013-304792
3. Normal values from EPLS manual April 2011

## Guidelines for use

This traffic light guidance is based on NICE guidance Feverish illness in children 0-5 years

This guidance is used across primary care, walk in centre and A&E with appropriate modification and should be used to communicate with colleagues across these settings

An overall impression should be made based on the criteria – use judgement when interpreting a single clinical sign e.g. capillary refill time

Guidance is to assist decision making and not replace common sense

Ask for senior help if you are concerned about a child

Please provide the family information regarding the condition at discharge

Maintenance fluid intake in children is as follows

< 10 kg      100 ml/kg

10-20 kg      Add 50 ml /kg to 1000 mls

20-40 kg      add 20 ml/kg to 1500 mls

Normal urine output

Infant 2ml/kg/h

Child 1 ml/kg/h

Normal physiological parameters by age

Age	Heart rate (bpm)	Resp rate (bpm)
< 1y	110-160	30-40
1-2 y	100-150	25-35
2-5 y	95-140	25-30

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