### 2019 Version San Mateo County EMS Pediatric Reference

<table>
<thead>
<tr>
<th><strong>VITALS</strong></th>
<th><strong>BLOOD</strong></th>
<th><strong>ELECTRICITY</strong></th>
<th><strong>AIRWAY</strong></th>
<th><strong>TREATMENTS</strong></th>
<th><strong>MEDICATIONS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length based weight</strong></td>
<td><strong>Browesol Color</strong></td>
<td><strong>Normal Resp. Rate</strong></td>
<td><strong>Rate Heart – Per Min</strong></td>
<td><strong>Systolic Blood Pressure mmHg</strong></td>
<td><strong>Treatable Hypovolemia</strong></td>
</tr>
<tr>
<td>(measure crown to heel)</td>
<td>Grey</td>
<td>40-60</td>
<td>110-150</td>
<td>&gt;60</td>
<td><strong>GLUCONE</strong></td>
</tr>
<tr>
<td>3 kg</td>
<td>Pink</td>
<td>30-50</td>
<td>110-150</td>
<td>&gt;65</td>
<td><strong>2.0% Sodium Bicarbonate</strong></td>
</tr>
<tr>
<td>4 kg</td>
<td>Red</td>
<td>30-50</td>
<td>80-150</td>
<td>&gt;70</td>
<td><strong>17 mg/kg</strong></td>
</tr>
<tr>
<td>5 kg</td>
<td>Yellow</td>
<td>30-45</td>
<td>80-125</td>
<td>&gt;75</td>
<td><strong>0.5 mg/kg</strong></td>
</tr>
<tr>
<td>6-7 kg</td>
<td>Purple</td>
<td>25-35</td>
<td>75-115</td>
<td>&gt;95</td>
<td><strong>0.17 ml/kg</strong></td>
</tr>
<tr>
<td>8-9 kg</td>
<td>White</td>
<td>20-30</td>
<td>65-115</td>
<td>&gt;95</td>
<td><strong>0.12 ml/kg</strong></td>
</tr>
<tr>
<td>10-11 kg</td>
<td>Blue</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.02 ml/kg</strong></td>
</tr>
<tr>
<td>12-14 kg</td>
<td>Green</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.01 ml/kg</strong></td>
</tr>
<tr>
<td>14-18 kg</td>
<td>Orange</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.01 ml/kg</strong></td>
</tr>
<tr>
<td>19-22 kg</td>
<td>White</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.01 ml/kg</strong></td>
</tr>
<tr>
<td>24-28 kg</td>
<td>Blue</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.01 ml/kg</strong></td>
</tr>
<tr>
<td>30-36 kg</td>
<td>Green</td>
<td>20-30</td>
<td>60-110</td>
<td>&gt;100</td>
<td><strong>0.01 ml/kg</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>BVM</strong></th>
<th><strong>Treatable Acidosis</strong></th>
<th><strong>Cardioversion</strong></th>
<th><strong>Defibrillation</strong></th>
<th><strong>Repetitive</strong></th>
<th><strong>Pharmacology</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Infant</td>
<td><strong>&lt;40 mg/dL</strong></td>
<td>Lidocaine 2%</td>
<td>2-15</td>
<td><strong>I.S.</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>Infant</td>
<td><strong>&lt;60 mg/dL</strong></td>
<td>1:10,000 IV/IO</td>
<td>17-20</td>
<td><strong>2 S or C</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>Child</td>
<td><strong>&lt;60 mg/dL</strong></td>
<td>Adenosine 0.1 mg/kg Dose</td>
<td>9-12</td>
<td><strong>PO</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>Child</td>
<td><strong>&lt;60 mg/dL</strong></td>
<td>0.2 mg/kg IV/IO Supply (Grey)**</td>
<td>4 kg</td>
<td><strong>PO</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>Child/Adult</td>
<td><strong>&lt;60 mg/dL</strong></td>
<td>0.2 mg/kg IV/IO Supply (Grey)**</td>
<td>6 kg</td>
<td><strong>PO</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>Adult</td>
<td><strong>&lt;60 mg/dL</strong></td>
<td>0.2 mg/kg IV/IO Supply (Grey)**</td>
<td>&gt;18</td>
<td><strong>PO</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Laryngeal Mask Airway Size and straight or curved</strong></th>
<th><strong>Dextrose 10%</strong></th>
<th><strong>Epinephrine 1:1000</strong></th>
<th><strong>Epinephrine 1:10,000</strong></th>
<th><strong>Glucon</strong></th>
<th><strong>Lidocaine 2%</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td>4 mg/mL</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td><strong>0.5 mg/kg Dose (IM)</strong></td>
<td><strong>4.3 mg/kg Dose</strong></td>
</tr>
<tr>
<td>15</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td>4 mg/mL</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td><strong>0.2 mg/kg Dose (IM)</strong></td>
<td><strong>3 kg</strong></td>
</tr>
<tr>
<td>15</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td>4 mg/mL</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td><strong>0.1 mg/kg Dose (IM)</strong></td>
<td><strong>2 kg</strong></td>
</tr>
<tr>
<td>15</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td>4 mg/mL</td>
<td><strong>5.0 mg/dose IM/IV (HYPO)</strong></td>
<td><strong>0.1 mg/kg Dose (IM)</strong></td>
<td><strong>&lt;2 kg</strong></td>
</tr>
</tbody>
</table>

### 2019 Version San Mateo County EMS Pediatric Reference

<table>
<thead>
<tr>
<th><strong>Normal Saline</strong></th>
<th><strong>Naloxone</strong></th>
<th><strong>Sodium Bicarbonate</strong></th>
<th><strong>Midazolam (Versed)</strong></th>
<th><strong>Midazolam (Versed)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>20 mL/28</strong></td>
<td><strong>IV/IO 2 mg/mL</strong></td>
<td><strong>Hold if &lt; 5 kg</strong></td>
<td><strong>&lt; 1.9 mg/kg Dose</strong></td>
<td><strong>&lt; 1.9 mg/kg Dose</strong></td>
</tr>
<tr>
<td>10 mL/16 ml</td>
<td>5 mg/mL</td>
<td>5 mg/mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>30mL**</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>40mL**</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>50mL**</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>130 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>170 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>210 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>260 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>325 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>420 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>530 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
<tr>
<td>660 mL</td>
<td>2 mg/mL</td>
<td>5 mL</td>
<td><strong>IM/IV/O</strong></td>
<td><strong>IM/IV/O</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Ondansetron</strong></th>
<th><strong>Pediatric Base Hospital Order</strong></th>
<th><strong>Pediatric Base Hospital Order</strong></th>
<th><strong>Pediatric Base Hospital Order</strong></th>
<th><strong>Pediatric Base Hospital Order</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zofran</strong></td>
<td><strong>May repeat 5 min apart not to exceed max dose of 3 mg/kg</strong></td>
<td><strong>May repeat 5 min apart not to exceed max dose of 3 mg/kg</strong></td>
<td><strong>May repeat 5 min apart not to exceed max dose of 3 mg/kg</strong></td>
<td><strong>May repeat 5 min apart not to exceed max dose of 3 mg/kg</strong></td>
</tr>
<tr>
<td>1 tab for 2 kg</td>
<td><strong>Pediatric Base Hospital Order if &lt; 2 years</strong></td>
<td><strong>Pediatric Base Hospital Order if &lt; 2 years</strong></td>
<td><strong>Pediatric Base Hospital Order if &lt; 2 years</strong></td>
<td><strong>Pediatric Base Hospital Order if &lt; 2 years</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Age 2 – 3 years</strong></th>
<th><strong>Age 4 and up</strong></th>
<th><strong>Age 4 and up</strong></th>
<th><strong>Age 4 and up</strong></th>
<th><strong>Age 4 and up</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Give 2 mg ODT or slow IVP</strong></td>
<td><strong>Give 4 mg ODT or slow IVP</strong></td>
<td><strong>Give 4 mg ODT or slow IVP</strong></td>
<td><strong>Give 4 mg ODT or slow IVP</strong></td>
<td><strong>Give 4 mg ODT or slow IVP</strong></td>
</tr>
</tbody>
</table>
2019 San Mateo County
EMS System
Pediatric Reference

Stanford Pediatric Base Station
(650) 723-5032

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### JumpSTART Mass Casualty Triage (pediatric)

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move the walking wounded</td>
<td>MIROR</td>
</tr>
</tbody>
</table>

### FLACC Scale – (Face, Legs, Activity, Cry, Consolability)

Instructions: Rate patient in each of the five measurement categories.

Add together to determine total pain score.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACE</td>
<td>Occasional grimace or frown, withdrawal, avoidance of eye contact, and blushing</td>
</tr>
<tr>
<td>LEGS</td>
<td>Limblessness, restless, increased tone, rigidity, intermittent flexion/extension of limbs</td>
</tr>
<tr>
<td>ACTIVITY</td>
<td>Syphoning, shuffling, back and forth, tense, hesitant to move, guarding, pressure on body part</td>
</tr>
<tr>
<td>CRY</td>
<td>Moans or whimpering, occasional cries, occasional complaint</td>
</tr>
<tr>
<td>CONSOLABILITY</td>
<td>Calm, content, relaxed, does not require consoling</td>
</tr>
</tbody>
</table>

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### Pediatric Glasgow Coma Scale (PGCS)

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>EYE OPENING</td>
<td>Spontaneously</td>
</tr>
<tr>
<td>To verbal command</td>
<td>No response</td>
</tr>
<tr>
<td>To pain</td>
<td>No response</td>
</tr>
<tr>
<td>MOTOR RESPONSE</td>
<td>Obey</td>
</tr>
<tr>
<td>Flexion withdrawal</td>
<td>Extension (decrease rigidity)</td>
</tr>
<tr>
<td>Extension (decrease rigidity)</td>
<td>No response</td>
</tr>
<tr>
<td>VERBAL RESPONSE</td>
<td>Oriented</td>
</tr>
<tr>
<td>Disoriented/confused</td>
<td>Inappropriate words</td>
</tr>
<tr>
<td>Inappropriate words</td>
<td>Uncomprehensible sounds</td>
</tr>
<tr>
<td>No response</td>
<td>No response</td>
</tr>
</tbody>
</table>

---

### Wong-Baker Faces™ Pain Rating Scale

<table>
<thead>
<tr>
<th>Sign</th>
<th>0 Points</th>
<th>1 Point</th>
<th>2 Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Activity (Muscle Tone)</td>
<td>Absent!</td>
<td>Arms &amp; Legs flexed</td>
</tr>
<tr>
<td>P</td>
<td>Pulse Rate</td>
<td>Absent!</td>
<td>Below 100 bpm</td>
</tr>
<tr>
<td>G</td>
<td>Grimace (Reflex Irritability)</td>
<td>No response</td>
<td>Grimace</td>
</tr>
<tr>
<td>A</td>
<td>Appearance</td>
<td>Blue-gray, pale all over</td>
<td>Normal except for extremities</td>
</tr>
<tr>
<td>R</td>
<td>Respiration</td>
<td>Absent</td>
<td>Slow, irregular</td>
</tr>
</tbody>
</table>