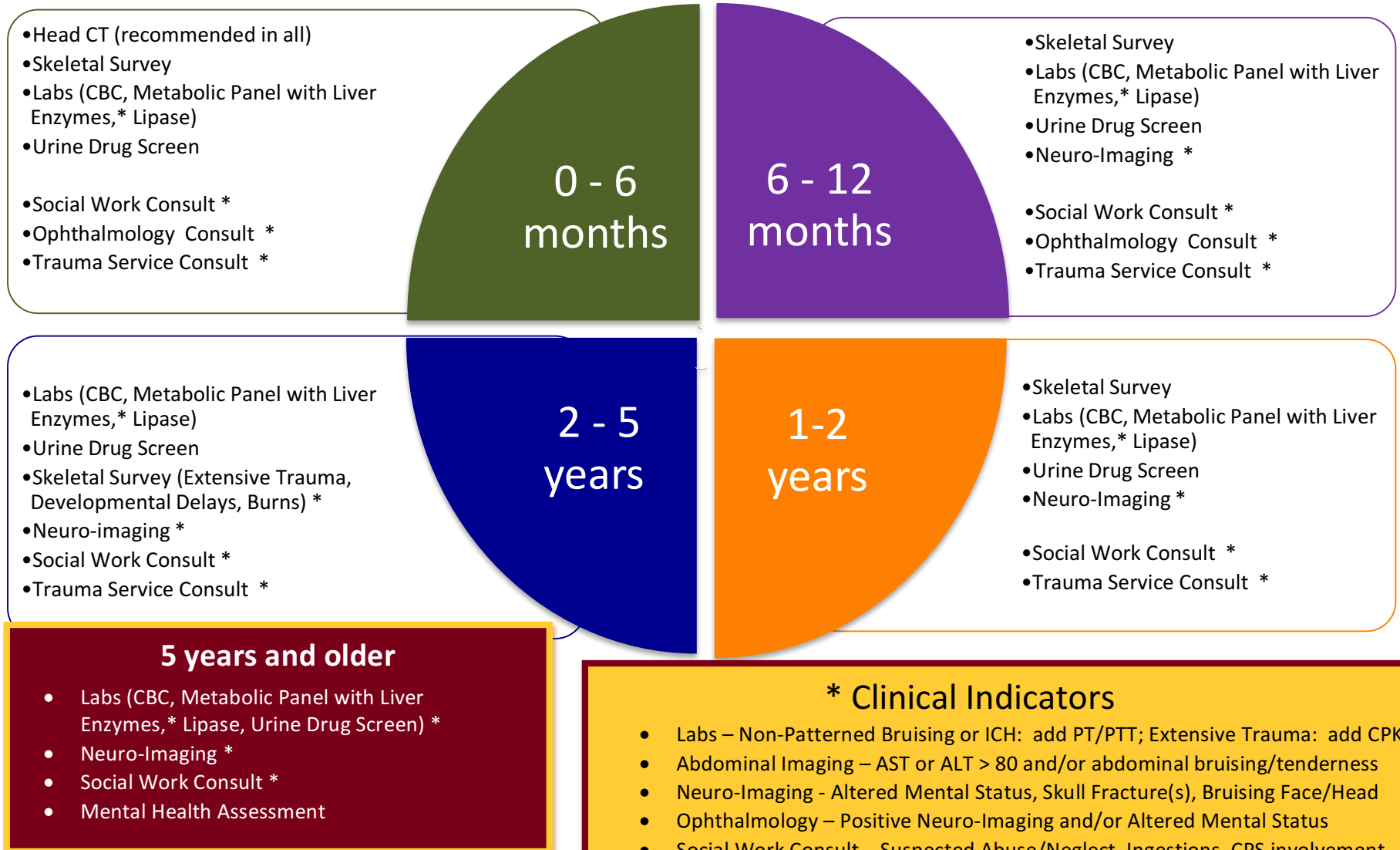


# Minnesota Child Abuse Network ASSESSMENT FOR PHYSICAL ABUSE



- \* Clinical Indicators**
- Labs – Non-Patterned Bruising or ICH: add PT/PTT; Extensive Trauma: add CPK
  - Abdominal Imaging – AST or ALT > 80 and/or abdominal bruising/tenderness
  - Neuro-Imaging - Altered Mental Status, Skull Fracture(s), Bruising Face/Head
  - Ophthalmology – Positive Neuro-Imaging and/or Altered Mental Status
  - Social Work Consult – Suspected Abuse/Neglect, Ingestions, CPS involvement
  - Trauma Service Consult – Head, Abdomen and Multi-system Trauma
  - Contact a Child Abuse Physician for guidance on evaluation and management

# Assessment for Physical Abuse: Injury Patterns, “Red Flags” & Child Abuse Programs

<p><b>When the following injuries are present,</b></p> <p><b>ADDITIONAL MEDICAL EVALUATION IS ALWAYS INDICATED:</b></p> <ul style="list-style-type: none"> <li>Rib Fractures</li> <li>Metaphyseal Fractures</li> <li>Longbone Fracture (non-ambulatory)</li> <li>Bruising (infants less than 6 months)</li> <li>Oral or Pharyngeal Injury (non-ambulatory)</li> <li>Abdominal Injury (non-MVC under 5 yrs)</li> <li>Head Injury (unwitnessed, unexplained)</li> </ul>	<p><b>Unusual Locations of Injury &amp; Patterned Skin Injuries (P)</b></p> <p><b>TEN-4 FACES-p</b></p> <table border="0"> <tr> <td style="vertical-align: top;"> <p><b>TEN</b></p> <ul style="list-style-type: none"> <li>Torso (trunk)</li> <li>Ear</li> <li>Neck</li> </ul> </td> <td style="vertical-align: top;"> <p><b>FACES</b></p> <ul style="list-style-type: none"> <li>Frenulum (mouth)</li> <li>Angle of the Jaw</li> <li>Cheek</li> <li>Eyelids (bruising)</li> <li>Subconjunctival Hemorrhage (eye)</li> </ul> </td> </tr> </table> <p><b>4:</b> Bruises in the TEN distribution in a child under 4 years of age, or <b>ANY</b> bruise in an infant less than <b>4.99</b> months of age</p>	<p><b>TEN</b></p> <ul style="list-style-type: none"> <li>Torso (trunk)</li> <li>Ear</li> <li>Neck</li> </ul>	<p><b>FACES</b></p> <ul style="list-style-type: none"> <li>Frenulum (mouth)</li> <li>Angle of the Jaw</li> <li>Cheek</li> <li>Eyelids (bruising)</li> <li>Subconjunctival Hemorrhage (eye)</li> </ul>	<p><b>Contact a Child Abuse Physician:</b></p> <p>Univ. of Minnesota Masonic Children’s Hospital          Minneapolis MN          Center for Safe &amp; Healthy Children          (612) 273-SAFE (7233) or (612) 365-1000</p> <p>Hennepin County Medical Center          Minneapolis MN          Center for Safe &amp; Healthy Children          (800) 424-4262 Hennepin Connect</p> <p>Children’s Hospitals and Clinics of Minnesota          Minneapolis and St. Paul MN          Midwest Children’s Resource Center (MCRC)          (651) 220-6750</p>
<p><b>TEN</b></p> <ul style="list-style-type: none"> <li>Torso (trunk)</li> <li>Ear</li> <li>Neck</li> </ul>	<p><b>FACES</b></p> <ul style="list-style-type: none"> <li>Frenulum (mouth)</li> <li>Angle of the Jaw</li> <li>Cheek</li> <li>Eyelids (bruising)</li> <li>Subconjunctival Hemorrhage (eye)</li> </ul>			
<p><b>MOST CHILD FATALITIES:</b></p> <ul style="list-style-type: none"> <li>i. Occur in children under 4 years of age (80%)</li> <li>ii. Occur at the instigation of a caregiver (80%)</li> <li>iv. Involve head (leading cause) and/or abdominal (second cause) Injury</li> </ul>	<p><b>What Is An Unexplained Injury:</b></p> <ul style="list-style-type: none"> <li>i. Injury that is not consistent w/ child’s age, developmental abilities, or injury type</li> <li>ii. History that is vague or changes w/ time, repetition, or caregiver</li> <li>iii. Delay in seeking medical care</li> </ul>	<p>Mayo Clinic          Rochester MN          Mayo Child and Family Advocacy Program          (507) 266-0443 daytime or (507) 284-2511</p> <p>Essentia Health          Duluth MN (218) 786-8364</p> <p>Gundersen Health System          La Crosse WI 1-800-362-9567</p>		
<p><b>Signs of Head Injury*:</b></p> <ul style="list-style-type: none"> <li>i. Bulging fontanelle (soft spot) in an infant</li> <li>ii. Rapidly increasing head circumference</li> <li>iii. Bruising/Swelling to Face/Head</li> <li>iv. Vomiting or fussiness</li> <li>v. Unresponsive, “altered mental status”</li> <li>vi. Apnea or change in breathing</li> </ul>	<p><b>Signs of Abdominal Injury*:</b></p> <ul style="list-style-type: none"> <li>i. Abdominal pain or distention</li> <li>ii. Abdominal bruising</li> <li>iii. Vomiting</li> <li>iv. Lethargic, “altered mental status”</li> <li>v. Rectal bleeding</li> <li>vi. Presents in shock, low blood pressure</li> </ul>	<p>Sanford Health          Sioux Falls SD          Child’s Voice Child Advocacy Center          (605) 333-2226</p> <p>Sanford Health          Fargo ND          Child &amp; Adolescent Maltreatment Service (CAMS) (701) 234-2000 or (877) 647-1225</p>		

\*Simple household falls rarely result in serious injury.

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These recommendations are not a substitute for expert medical evaluation. It should also not take the place of medical decision-making. Injuries that are suspicious for abuse require careful assessment by a physician or medical provider with expertise in child abuse.