

# ACADEMY OF PEDIATRIC PHYSICAL THERAPY

## RESOURCE/ FACT SHEET

### List of Pediatric Assessment Tools Categorized by ICF Model

The purpose of this document is to organize tests and measures by the domains of the ICF Model. Tests included were published or revised after 1990. Tools on this list are commonly used but inclusion of a tool does not equate with an endorsement or statement of reliability and validity. Users must access manuals and research reports for more details. The reference list at the end of the document is a select list of key resources. Additional tools can be found in the companion document, List of

*Pediatric PT Assessment Tools* (<http://pediatricapta.org>). If you have additional tools or measures that you believe should be added to this list, please e-mail suggestions to the Section on Pediatrics at [cindysliwa@apta.org](mailto:cindysliwa@apta.org).

#### A. BODY STRUCTURE/FUNCTION

##### Anthropometrics:

- Body Composition (BMI)<sup>7</sup>
- Height/Weight<sup>8, 19,20,35</sup>
- Leg Length

##### Cardiopulmonary:

- Blood Pressure,<sup>37,51</sup> Heart Rate<sup>37</sup>
- Oxygen Saturation, Respiratory Pattern and Rate, <sup>37</sup> Skin Color, Skin Turgor

##### Coordination:

- Clinical Observation of Motor and Postural Skills (COMPS)

- Florida Apraxia Screening Test

- Gross Motor Performance Measure (GMPM)<sup>6</sup>

- Selective Control Assessment of the

Lower Extremity

- Test of Ideational Praxis

##### Endurance/Energy

##### Expenditure:

- Early Activity Scale for Endurance (EASE)<sup>53</sup>
- Energy Expenditure Index<sup>45</sup>
- 6-Minute Walk Test<sup>26</sup>
- 30-Second Walk Test<sup>22</sup>

##### Fitness Measures:

- Fitness Gram<sup>27</sup>
- Presidential Physical Fitness Test

##### Multi:

- Quick Neurological Screening Test-II (QNST-II)

##### Pain:

- Children's Hospital of Eastern Ontario Pain Scale (CHEOPS)<sup>31</sup>

## A. BODY

### STRUCTURE/FUNCTION (continued)

- CRIES Scale (Cries, Require Oxygen, Increased Vital Signs, Expression, Sleep)
- Faces Pain Scale<sup>3</sup>
- FLACC (Faces, Legs, Activity, Crying, Consolability Behavioral Pain Scale)<sup>32</sup>
- Individualized Numeric Pain Scale (INRS)<sup>49</sup>
- Numeric Scale
- Oucher Scale
- Visual Analogue Scale<sup>48</sup>

#### Posture/Balance:

- Early Clinical Assessment of Balance (ECAB)
- Movement Assessment of Infants (MAI)
- Pediatric Balance Scale (PBS)<sup>14,15</sup>
- Pediatric Clinical Test of Sensory Interaction for Balance (P-CTSIB)<sup>44</sup>
- Pediatric Reach Test (Pediatric Functional Reach Test)<sup>1,11,15,39,52</sup>

## B. ACTIVITY

### Gait/Walking:

- Dynamic Gait Index<sup>28,30</sup>
- Functional Mobility Assessment<sup>43</sup>
- Observational Gait Scale (OGS)
- Standardized Walking Obstacle Course<sup>18,23</sup>
- Timed Obstacle Ambulation Test
- Timed Up and Down Stairs test<sup>56</sup>

- Timed Up and Down Stairs Test

### Posture/Structural Integrity:

- Adam Forward Bend Test
- Anterior/Posterior Drawer Test
- Apley's Test
- Arch Index<sup>33</sup>
- Beighton Scale of Hypermobility<sup>47</sup>
- Craig's Test
- Galleazi Sign
- Heel Bisector Angle
- Lachman's Test
- Navicular Drop Test<sup>33,42</sup>
- McMurray's Test
- Ryder's Test
- Talar Tilt
- Transmaleolar Axis

### ROM:

- Ely's Test
- Hamstring Length Test<sup>10</sup>
- Modified Ober Test
- Popliteal Angle
- Prone Hip Extension Test<sup>4</sup>
- Spinal Alignment and Range of Motion Measure (SAROMM)
- Straight Leg Test

- Timed "Up & Go" (TUG)<sup>54</sup>

### Gross Motor:

- Alberta Infant Motor Scales (AIMS)
- Bruininks-Oseretsky Test of Motor Proficiency (BOTP-2)
- Gross Motor Function Measure (GMFM)<sup>40,41,46</sup>
- Gross Motor Performance Measure<sup>6</sup>
- High Level Mobility Assessment Tool (HIMAT)<sup>55</sup>

- Thomas Test

### Reflexes:

- Movement Assessment of Infants (MAI)

### Sensory Processing:

- Infant/Toddler Sensory Profile
- Sensory Integration and Praxis Test
- Sensory Profile

### Spasticity:

- Modified Ashworth Scale (MAS)<sup>5</sup>
- Modified Tardieu Test
- Strength/Muscle Power:
  - Manual Muscle Testing
  - Dynamometer Measurement<sup>29</sup>
  - Muscle Power<sup>12</sup>
  - Selective Control Assessment of the Lower Extremity (SCALE)<sup>13</sup>

### Visual Motor/Perception:

- Developmental Test of Visual Motor Integration
- Test of Visual Motor Skills-3 (TVMS-3)

- Motor Function Measure<sup>2</sup>
- Peabody Developmental Motor Scales Second Edition (PDMS-2)
- Test of Gross Motor Development, 2nd Edition (TGMD-2)<sup>50</sup>
- Test of Infant Motor Performance (TIMP)

## **B. ACTIVITY (continued)**

### Fine Motor:

- Bruininks-Oseretsky Test of Motor Proficiency (BOTP-2)
- Jebsen Taylor Test of Hand Function
- Nine-Hole Peg Test
- Peabody Developmental Motor Scales Second Edition (PDMS-2)
- Assisting Hand Assessment
- Shriner's Upper Extremity Assessment
- Melbourne Unilateral Upper Limb Function (MUUL)

### Play:

- Preschool Play Scale
  - Test of Playfulness (ToP)<sup>17</sup>
- Developmental Screening

### Tools:

- Ages & Stages Questionnaires (ASQ-3)
- Assessment, Evaluation, and Programming System for Infants and Children (AEPS)– Second Edition
- Bayley Infant Neurodevelopmental

## **C. PARTICIPATION**

### Multidomain:

- Assessment of Life Habits (LIFE-H)<sup>38</sup>
- Canadian Occupational Performance Measure (COPM)<sup>25</sup>
- Children's Assessment of Participation and Enjoyment (CAPE)<sup>21</sup>
- Participation and Environment Measure-Children and Youth (PEM-CY)<sup>9</sup>
- Preferences for Activities of

### Screeners (BINS)

- Carolina Curriculum for Infants and Toddlers with Special Needs, Third Edition
- Carolina Curriculum for Preschoolers with Special Needs
- FirstSTeP: Screening Test for Evaluating Preschoolers
- Motor Skills Acquisition in the First Year and Checklist

### Multidomain:

- Activities Scale for Kids (ASK)
- Battelle Developmental Inventory, Second Edition
- Bayley Scales of Infant Development-III
- Brigance Inventory of Early Development, Revised Edition
- Canadian Occupational Performance Measure (COPM)
- Functional Independence Measure for Children (WeeFIM)
- Harris Infant Motor Test (HINT)

### Children (PAC)<sup>21</sup>

- School Function Assessment (SFA)
- Vineland Adaptive

### Quality of Life:

- Child Health Index of Life with Disabilities<sup>36</sup>
- Kidscreen
- Pediatric Quality of Life Inventory (PEDS QL)
- Pediatric Outcomes Data Collection Instrument (PODCI)

- Hawaii Early Learning Profile (HELP-Strands)
- Merrill-Palmer Scale, Revised
- Miller Assessment of Preschoolers
- Miller Function and Participation Scales
- Movement Assessment Battery for Children (Movement ABC-2)
- Pediatric Evaluation of Disability Inventory (PEDI)
- Pediatric Evaluation of Disability Inventory (PEDI-CAT)<sup>16</sup>
- POSNA Pediatric Musculoskeletal Functional Health Questionnaire
- School Function Assessment (SFA)
- Toddler and Infant Motor Evaluation (TIME)
- Transdisciplinary Play-Based Assessment, Second Edition (TPBA2)
- Vineland Adaptive Behavior Scales, Second Edition

- Quality of Well Being Scale (QWB)

### Health Status:

- Child Health and Illness Profile-Adolescent Edition (CHIP-E)
- Child Health Questionnaire (CHQ)
- Child Health Assessment Questionnaire (CHAQ)
- Health Utilities Index-Mark

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## D. PERSONAL/CONTEXTUAL

• Child Occupational Self Assessment24

• Early Coping Inventory

• Devereux Early Childhood Assessment (DECA)

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*There are numerous Web sites and publications available on this subject; this list is not meant to be all inclusive. Many of the listed sites have links to additional resources.*

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