

**Appendix 1 – Example of age-appropriate formal neuropsychological testing in United States population**

Age	Domains of interest	Action/Intervention*
<b>INFANCY</b> <b>(0-2 years)</b>	<ul style="list-style-type: none"> <li>• Neurodevelopment</li> <li>• Adaptive Functioning</li> <li>• Social-Emotional Development</li> </ul>	<ul style="list-style-type: none"> <li>• Neurodevelopmental test covering cognition, language, and motor skills (e.g., Bayley Scales of Infant and Toddler Development)</li> <li>• Parent-report of adaptive and social-emotional development (e.g., Bayley Social-Emotional/Adaptive Behavior Questionnaire)</li> </ul>
<b>Timing: Annually</b>		
<b>PRESCHOOL AGE</b> <b>(3-4 years)</b>	<ul style="list-style-type: none"> <li>• Cognition/Intelligence</li> <li>• Language</li> <li>• Adaptive Functioning</li> <li>• Social-Emotional Development</li> </ul>	<ul style="list-style-type: none"> <li>• Early cognitive development/intelligence (e.g., Wechsler Preschool and Primary Scale of Intelligence, Stanford-Binet Intelligence Scales)</li> <li>• Receptive and expressive language (e.g., Peabody Picture Vocabulary Test, Expressive Vocabulary Test, Clinical Evaluation of Language Fundamentals)</li> <li>• Parent-report of adaptive functioning (e.g., Adaptive Behavior Assessment System)</li> <li>• Parent-report of social-emotional development (e.g., Behavior Assessment System for Children)</li> </ul>

**Timing: Annually until school start OR 6 months after ECMO**

<p><b>SCHOOL AGE</b> <b>(≥5 years)</b></p>	<ul style="list-style-type: none"> <li>• Cognition/Intelligence</li> <li>• Language</li> <li>• Adaptive Functioning</li> <li>• Social-Emotional Development</li> <li>• Memory</li> <li>• Visuospatial and Sensorimotor</li> </ul>	<ul style="list-style-type: none"> <li>• Early cognitive development/intelligence (e.g., Wechsler Preschool and Primary Scale of Intelligence, Wechsler Intelligence Scale for Children, Stanford-Binet Intelligence Scales)</li> <li>• Receptive and expressive language (e.g., Peabody Picture Vocabulary Test, Expressive Vocabulary Test, Clinical Evaluation of Language Fundamentals)</li> <li>• Parent-report of adaptive functioning (e.g., Adaptive Behavior Assessment System)</li> <li>• Parent-report of social-emotional development (e.g., Behavior Assessment System for Children)</li> <li>• Verbal and visual immediate and delayed memory (e.g., Child and Adolescent Memory Profile)</li> <li>• Tests of visual-motor integration and fine motor skills (e.g., Beery Visual Motor Integration Test, Purdue Pegboard)</li> </ul>
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**Timing: 6 months after ECMO and then annually as needed**

\*It is important ECMO centers choose language and culture-specific measures appropriate for their patient populations. The suggestions offered here are measures useful for the English-language speaking, United States population.