

## Developmental Delay & Autism Spectrum Disorder Screening Tools

The following tables provide an overview of validated screening tools for developmental delays and autism spectrum disorders. Those available for purchase are presented in Table 1 and those that are free are presented in Table 2.

Table 1: Validated Screening Tools Available for Purchase

Screening Tool	Age Range	Description	Admin Time	Purchase
Ages & Stages Questionnaire (ASQ) Available in English and Spanish	4 mos - 5 yrs 6 mos	A series of 21 questionnaires, depending on age of child, with a focus on: screening for communication; gross motor; fine motor; problem solving and personal adaptive skills. The parent completes one questionnaire. The provider scores by transferring answers to a scoring sheet, compares the child's scores to the cut-off points on the scoring sheet and communicates the results to the parent.	10-15 mins	Ages & Stages website: <a href="http://www.agesandstages.com">http://www.agesandstages.com</a> Paul H. Brookes Publishing Company (800) 638-3775 <a href="http://www.brookespublishing.com">http://www.brookespublishing.com</a>
Battelle Developmental Inventory Screening Test, 2nd ed (BDI-2) Available in English and Spanish	Birth - 7 yrs 11 mos	This directly administered screening tool is comprised of 96 items with a focus on: personal-social skills; adaptive behavior; psychomotor ability; communication and cognition (including subtests for fine and gross motor skills and expressive and receptive communications). The BDI-2 Screening Test can be modified for children with special needs.	10-30 mins	Riverside Publishing Co. (800) 323-9540 <a href="http://www.riverpub.com">http://www.riverpub.com</a>
Bayley Scales of Infant and Toddler Development®, Third Edition Screening Test (Bayley-III®) Available in English	1 month - 3 yrs 6 mos	Development areas measured focus on: cognitive; language (expressive and receptive communications); fine motor and gross motor domains.	15-25 mins	Pearson (800) 211-8378 <a href="http://www.pearsonassess.com">http://www.pearsonassess.com</a>
Bayley Scales of Infant and Toddler Development®, Third Edition Motor Scale Kit (Bayley-III®) Available in English	1 month - 3 yrs 6 mos	Identifies motor delays in infants and toddlers. Includes growth charts for plotting motor growth over time, fine motor subtests and gross motor subtests.	10-20 mins	Pearson (800) 211-8378 <a href="http://www.pearsonassess.com">http://www.pearsonassess.com</a>

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Screening Tool	Age Range	Description	Admin Time	Purchase
Brigance® Infant & Toddler Screen Available in English and Spanish	Birth - 23 mos	Development areas measured focus on: fine and gross motor; receptive and expressive communications; self-help; and social-emotional scales. Accommodations are made for infants born prematurely (until age 2). The screen also has adjustments and separate cut-offs for children at psychosocial risks.	10-15 mins	Curriculum Associates Inc. (800) 225-0248 <a href="http://www.curriculumassociates.com">http://www.curriculumassociates.com</a>
Brigance® Early Preschool Screen-II Available in English and Spanish	24 mos - 5 yrs 11 mos	Development areas measured focus on: fine and gross motor; general comprehension; speech and language; pre academic and academic, self-help and social-emotional scales.	10-15 mins	Curriculum Associates Inc. (800) 225-0248 <a href="http://www.curriculumassociates.com">http://www.curriculumassociates.com</a>
Brigance® Inventory for Early Development-II (IED-II) Available in English and Spanish	Birth - 7 years	Development areas measured focus on: fine and gross motor; language; early academic and cognitive (quantitative/general and pre-reading/reading); daily living and social-emotional scales.	10-15 mins	Curriculum Associates Inc. (800) 225-0248 <a href="http://www.curriculumassociates.com">http://www.curriculumassociates.com</a>
Child Development Review-Parent Questionnaire (CDR-PQ) Available in English and Spanish	18 mos - 5 yrs	Development areas measured focus on: social; self-help; language; gross and fine motor skills. The provider may use this screen in two ways: as an observation guide and/or as a parent interview guide.	10-20 mins	Behavior Science Systems Inc.(612) 850-8700 <a href="http://www.childdevrev.com">http://www.childdevrev.com</a>
Infant Development Inventory Available in English and Spanish	Birth - 18 mos	A brief parent questionnaire used to track developmental skills with a focus on: social; self-help; language; gross and fine motor skills.	5-10 mins	Behavior Science Systems Inc.(612) 850-8700 <a href="http://www.childdevrev.com">http://www.childdevrev.com</a>
Parents' Evaluation of Developmental Status (PEDS) Available in English, Spanish and Vietnamese	Birth - 8 yrs	Parents complete 10 questions designed for surveillance and/or screening of developmental and behavioral problems.	2-10 mins	Ellsworth & Vandermeer Press LLC (888) 729-1697 <a href="http://www.pedstest.com">http://www.pedstest.com</a>

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Screening Tool	Age Range	Description	Admin Time	Purchase
Parents' Evaluation of Developmental Status, Developmental Milestones (PEDS-DM©) Available in English, Spanish and Vietnamese	Birth - 7 yrs 11 mos	The PEDS-DM© can be used with the PEDS, or by itself. PEDS-DM© consists of 6-8 items per age/ encounter and is designed to replace informal milestones checklists. Developmental areas measured focus on: expressive and receptive communications; fine and gross motor skills; self-help; social-emotional; and for older children, reading and math.	10-20 mins	Ellsworth & Vandermeer Press LLC (888) 729-1697 <a href="http://www.pedstest.com">http://www.pedstest.com</a>
Capute Scales (also known as Cognitive Adaptive Test/Clinical Linguistic Auditory Milestone Scale [CAT/CLAMS]) Available in English, Spanish and Russian	3 mos - 3 yrs	The Capute Scales is designed to help clinicians distinguish between global developmental delays and specific areas of concern. The Cognitive Adaptive Test (CAT) consists of 58 items focused on visual-motor functioning and the Clinical Linguistic and Auditory Milestone Scale (CLAMS) consists of 42 items focused on expressive and receptive language development.	6-20 mins	Paul H. Brookes Publishing Company (800) 638-3775 <a href="http://www.brookespublishing.com">http://www.brookespublishing.com</a>
Milestone Scale (ELMScale-2) Available in English	Birth - 3 yrs	The ELM Scale-2 consists of 43 items designed to address speech and language development. Development areas focus on: Auditory expressive; auditory receptive; and visual.	1-10 mins	Pro-Ed Inc. (800) 897-3202 <a href="http://www.proedinc.com">http://www.proedinc.com</a>
Pervasive Developmental Disorders Screening Test-II (PDDST-II) Available in English and Spanish	12 mos - 4 yrs	The PDDST-II is a parent-completed questionnaire designed to screen for several autistic spectrum disorders, including autistic disorder, pervasive developmental delay, and Asperger's disorder.	10-20 mins	Pearson (800) 211-8378 <a href="http://www.pearsonassess.com">http://www.pearsonassess.com</a>

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Screening Tool	Age Range	Description	Admin Time	Purchase
Social Communication Questionnaire (SCQ) (formerly Autism Screening Questionnaire-ASQ) Available in English and Spanish	Anyone over 4 years of age, as long as his or her mental age exceeds 2.0 years	The SCQ is a parent-completed questionnaire consisting of 40 yes/no questions; designed to identify children at risk of autistic spectrum disorders. The SCQ is available in two forms: the Lifetime Form focuses on the child's entire developmental history; the Current Form looks at the child's behavior over the most recent 3-month period.	5–10 mins	Western Psychological Corp. (800) 648-8857 <a href="http://www.wpspublish.com">http://www.wpspublish.com</a>

Table 2: Free Validated Screening Tools

Screening Tool	Age Range	Description	Admin Time	Resource Access
Communication and Symbolic Behavior Scales- Developmental Profile™ (CSBS-DP™): Infant Toddler Checklist Available in English	6 mos - 24 mos	The CSBS-DP™ is designed to address language and cognitive skills. Development areas measured focus on: emotion and eye gaze; communication; gestures; sounds; words; understanding; and object use. Each area is measured by three main components: Infant Toddler Checklist; Caregiver Questionnaire; and the Behavior Sample.	5–15 minutes	The CSBS-DP™ Infant Toddler Checklist is copyrighted but remains free for use. Information may be found online at: Paul H. Brookes Publishing Company (800) 638-3775 <a href="http://www.brookespublishing.com">http://www.brookespublishing.com</a>
Checklist for Autism in Toddlers (CHAT) Available in English	18 mos - 24 mos	The CHAT consists of two sections designed to identify children at risk of Autism Spectrum Disorders. The two sections (9 parent-completed questions and 5 items of observation by a health care provider) focus on the developmental behaviors concerning joint attention and pretend play.	5 mins	The CHAT remains free for use. Information and the screening tool may be found at: The National Autistic Society +44 (0) 20-7833-2299 <a href="http://www.nas.org.uk/nas/jsp/polopoly.jsp?d=10">http://www.nas.org.uk/nas/jsp/polopoly.jsp?d=10</a> Or by contacting: Sally Wheelwright Autism Research Centre Cambridge University Douglas House 18b Trumpington Road Cambridge CB2 2AH, UK Tel: 01223 746057 Fax: 01223 746033
Modified Checklist for Autism in Toddlers (M-CHAT) Available in English and Spanish	16 mos - 4 yrs	The M-CHAT is an expanded American version of the original CHAT from the UK. The M-CHAT tests for Autism Spectrum Disorders against normally developing children and consists of 23 yes/no questions.	5–10 mins	The M-CHAT is available for free download for clinical, research, and educational purposes. There are two authorized websites the M-CHAT and supplemental materials can be downloaded from: <a href="http://www.firstsigns.org">http://www.firstsigns.org</a> or from Dr. Robins' website: <a href="http://www2.gsu.edu/~wwwpsy/faculty/robins.htm">http://www2.gsu.edu/~wwwpsy/faculty/robins.htm</a>