

**COLORADO CHILD FIND SCREENING and
EVALUATION COMPENDIUM**
For children birth through age five

Introduction

The purpose of this document is to provide information and guidance to Child Find teams regarding the child identification process for children birth through five years old in Colorado. The information provided in this compendium is intended to guide Child Find practices in a way that meets the law, is evidence-based, and is best practice for young children and families.

Requirements under both federal and state law are discussed as well as best practices in screening and evaluation methods of children birth to five years of age.

Included are definitions, purposes, people involved, & activities of the separate components in the identification process as well as a flow chart that depicts the process from referral to eligibility determination.

Lastly, is a compendium of the many instruments and methods (both standardized and non-standardized) that are being used by child find teams across Colorado.

Keep in mind that screening and evaluation processes gather information for the purpose of making decisions about a child's growth and development, eligibility for services, & individualized planning.

Legal Requirements

IDEA

Part B

300.301 (a)

Each public agency must conduct a full and individual initial evaluation, in accordance with 300.305 & 300.306, before the initial provision of special educations and related services to a child with a disability under this part.

303.304 (b) In conducting the evaluation, the public agency must

(1) use a variety of assessment tools and strategies to gather relevant functional, developmental, and academic information about the child, including information provided by the parent

(2) not use any single measure or assessment as the sole criterion for determining whether a child is a child with a disability and for determining appropriate educational program for the child

303.304 (c) each agency must ensure that –

(4) The child is assessed in all areas related to the suspected disability, including, if appropriate, health, vision, hearing, social & emotional status, general intelligence, academic performance, communicative status, and motor abilities;

(6) In evaluating each child with a disability..., the evaluation is sufficiently comprehensive to identify all of the child's special education and related services needs, whether or not commonly linked to the disability category in which the child has been classified.

Part C

303.322

(c) Evaluation and assessment of the child.

The evaluation and assessment of each child must--

(1) Be conducted by personnel trained to utilize appropriate methods and procedures;

(2) Be based on informed clinical opinion; and

(3) Include the following:

(i) A review of pertinent records related to the child's current health status and medical history.

(ii) An evaluation of the child's level of functioning in each of the following developmental areas:

(A) Cognitive development.

(B) Physical development, including vision and hearing.

(C) Communication development.

(D) Social or emotional development.

(E) Adaptive development.

(iii) An assessment of the unique needs of the child in terms of each of the developmental areas in paragraph (c)(3)(ii) of this section, including the identification of services appropriate to meet those needs.

(d) Family assessment.

(1) Family assessments under this part must be family-directed and designed to determine the resources, priorities, and concerns of the family and the identification of the supports and services necessary to enhance the family's capacity to meet the developmental needs of the child.

Evaluation requirements and procedures are addressed in both the ECEA Rules (4.02) and Colorado's State Plan for Part C.

Evaluations must:

- Be available year round
- Be conducted only after obtaining written parental/legal guardian consent
- Be conducted by qualified personnel who hold CDE licensure
- Include methods and instruments that are selected and administered so as not to be discriminatory
- Be provided and administered in the child's native language or other mode of communication
- Include a variety of tools and strategies to gather information about the child (and family for Part C)
- Include personnel from various/multiple disciplines

ECEA and Colorado's State Plan under Part C are the state rules for implementing the Federal Regulations of IDEA. The complete sections in the Federal Regulations that pertain to "Initial Evaluation" can be found at 300.301-303.306 for Part B and at 303.322 for Part C.

Evidence-Based and Best Practices

As teams make decisions about screening and evaluations procedures, methods, and instruments to use for initial evaluation and eligibility decisions it is important to keep in mind the following guiding principles.

Procedures, methods, and instruments:

- *Are collaboratively planned and conducted with parents and other primary caregivers and individualized for the child*
- *Are authentic and allow teams to observe children in natural and typical settings and routines*
- *Are multiple and various in order to gather relevant, functional, and developmental information which will lead to functional and relevant goals for the child*
- *Are sensitive enough to observe all levels of functioning*
- *Provide equity in order to allow for individual needs of the child*
- *Include parent interviews and/or questionnaires*
- *Should not be discriminatory or culturally biased*

Questions to ask that address these principles:

- Is the evaluation process jargon free and parent friendly?
- Are there opportunities for the parents to be included?
- Does the process include play-based and other functional and developmentally appropriate methods?
- Does the process limit the use of contrived situations?
- Does the team use a variety of sources to build a picture of the child's level and quality of functioning (developmental and medical history, parent interview, observations of the child at play, checklists, language samples, standardized instruments, etc.)?
- Is the process individualized for the child and family?
- Has the team taken into consideration the family's culture?

DEFINITION OF TERMS

Validity – Validity is an indicator of the accuracy of a test. Validity is expressed on a scale of 0 – 1.0, with 1.0 representing the strongest association and therefore the greatest accuracy. Test validity is important because it represents how well the screening test accomplishes its intended purpose. In the case of developmental screening, validity is determined by comparing, contrasting, or correlating screening test results with the results of a diagnostic assessment.

Concurrent Validity – This test compares screening results with outcomes derived from a diagnostic assessment performed shortly after the screening test (7-10 days). Validity is reported in terms of the agreement between the two tests.

Predictive validity – This test compares screening results with measures of children's performance obtained 9-12 months later. Examples of these measures include diagnostic assessments, school achievement test scores, ratings by observers, or teacher reports.

Reliability – This is an indicator of how consistently or how often identical results can be obtained with the same screening instrument. A reliable instrument is one in which differences in test results are attributable less to chance and more to such systematic factors as lasting and general characteristics of the child. Reliability is expressed on a 0 – 1.0 scale, with 1.0 representing the greatest consistency.

Interobserver reliability – The reliability coefficient derived from the percentage of agreement between two different people scoring the same test performance.

Test-retest reliability – Describes the stability of the instrument over time, as well as the percentage of agreement in results when two different examiners screen the same child over time.

Sensitivity – The proportion of children at risk who are correctly identified by the test as needing further diagnostic assessment. Sensitivity is generally presented as a percentage, with 100% being highest value, but can also be presented in a 0 – 1.0 scale.

Specificity – The proportion of children not at risk who are correctly excluded from further diagnostic assessment. Specificity is generally presented as a percentage, with 100% being highest value, but can also be presented in a 0 – 1.0 scale.

INDIVIDUALIZED SCREENING INSTRUMENTS

Definition: An informal or formal process of determining the developmental status of a child. Screenings are conducted when someone has a concern about a child's development in order to determine if further evaluation is needed.

Purposes:

- To determine if there is a need for further evaluation for a child about whom someone has a concern
- To obtain information about a child who is potentially at risk or has a developmental concern
- To inform the evaluation process (when applicable)
- To provide information to parents and care givers on child development and parenting practices
- To provide information to parents about available community resources

Screening Instruments

- Ages & Stages Questionnaire (ASQ)
- Ages & Stages Questionnaire – Social Emotional (ASQ-SE)
- Battelle Developmental Inventory (BDI)
- Bayley Infant Neurodevelopmental Screener with Low Birth Weight Babies (BINS)
- Bayley Scales of Infant and Toddler Development Screening Test
- Beery-Buktenica Developmental Test of Visual Motor Integration (VMI)
- Brief Infant Toddler Social Emotional Assessment (BITSEA)
- Brigance System
- Child Development Review Parent Questionnaire (CDR-PQ)
- Childhood Autism Rating Scale (CARS)
- Denver Developmental Screening Test – II (DDST-II)
- Developmental Indicators for the Assessment of Learning (DIAL-3)
- Early Childhood Developmental Inventory (ECDI)
- Early Screening Inventory (ESI-R)
- Early Screening Profiles (ESP)
- FirstSTEP Preschool Screening Tool
- Fluharty
- Gilliam's Asperger's Disorder Scale (GADS)
- Infant Development Inventory (IDI)
- Kaufman Brief Intelligence Test (KBIT)
- Kent Inventory of Developmental Skills (KIDS)
- Minneapolis Preschool Screening Instrument-Revised (MPSI-R)
- Modified Checklist for Autism in Toddlers (M-CHAT)
- Parent Interview for Autism (PIA)
- Parents' Evaluation of Developmental Status (PEDS)
- Parents' Observation of Infants and Toddlers (POINT)
- Pediatric Symptom Checklist
- Pervasive Developmental Disorders Screening Test (PDDST-II)
- Preschool Development Inventory (PDI)
- Reynolds Intellectual Screening Test (RIST)
- Screening Tool for Autism in Toddlers (STAT)
- Social Communication Questionnaire
- Social Skills Improvement System (SSIS)
- Social Response Scale (SRS)

Ages & Stages Questionnaire (ASQ)

Authors	Jane Squires, LaWanda Potter, & Diane Bricker
Publisher	Brookes Publishing
Date	2006
Cost	\$199
Age range	Birth - 60 months
Domain/Content	Communication, gross motor, fine motor, problem solving, personal social
Time to administer	10- 20 minutes
Role of family	Parent completes
Items passed by	Parent report
Results	Cut off scores
Type of instrument	Standardized/norm-Referenced
Qualifications to administer	Parent completes
Validity	Concurrent = .76 - .91
Reliability	Internal consistency = .44 - .83 Test-retest = .94
Sensitivity	72%
Specificity	86%
Comments	Questionnaire is a low cost, reliable way to screen infants and young children in their natural environment. May be completed by clerical or paraprofessional staff who have been instructed by professionals. Available in Spanish, French, & Korean

Ages & Stages Questionnaire – Social Emotional (ASQ-SE)

Authors	Jane Squires, LaWanda Potter, & Diane Bricker
Publisher	Brookes Publishing
Date	2006
Cost	\$149
Age range	6 - 60 months
Domain/Content	Communication, gross motor, fine motor, problem solving, personal social
Time to administer	10- 15 minutes
Role of family	Parent completes
Items passed by	Parent report
Results	Cut off scores
Type of instrument	Standardized/norm-Referenced
Qualifications to administer	Parent completes
Validity	75-89%
Reliability`	94%
Sensitivity	71-85%
Specificity	90-98%
Comments	Questionnaire is a low cost, reliable way to screen infants and young children in their natural environment. May be completed by clerical or paraprofessional staff who have been instructed by professionals. Available in Spanish

Battelle Developmental Inventory Screening Test, Second Edition (BDIST)

Authors	J. Newborg, J.R. Stock, & J. Wnek
Publisher	Riverside Publishing, Inc.
Date	2006
Cost	\$489
Age range	Birth - 8 years
Domain/Content	Personal-social, adaptive, psychomotor ability, communication, & cognitive
Time to administer	For children birth – 3 yr: 10-30 minutes For children 3-5 yr: 20-30 minutes
Role of family	Certain items can be passed by parent interview
Items passed by	Structured activities, observation in natural settings, & parent interview
Results	Standard scores, age equivalents, & percentiles
Type of instrument	Standardized/Norm-Referenced
Qualifications to administer	(1) generic knowledge and skills and (2) qualifications in specific contexts, such as early childhood education, employment testing, education, career counseling, and healthcare settings.
Validity	Concurrent = .66 - .94
Reliability	Internal consistency = .94 - .99 Test-retest = .98 Inter-rater = .98 - .99
Sensitivity	82%
Specificity	84%
Comments	It is not recommended for children under the age of 6 months. The screening test provides very few items at each age level compared to other screening instruments. Available in Spanish

Bayley Infant Neurodevelopmental Screener with Low Birth Weight Babies (BINS)

Authors	Nancy Bayley, Ph.D.
Publisher	Pearson
Date	2005
Cost	
Age range	3-24 months
Domain/Content	Basic neurological functions/intactness, receptive functions, expressive functions, & cognitive process
Time to administer	15-25 minutes
Role of family	N/A
Items passed by	Items scored as optimal/non-optimal
Results	Cut scores of low, moderate, or high risk
Type of instrument	Standardized/norm-referenced
Requirements	Professional with training & credentials and meets requirements specified by the test company
Validity	67-76%
Reliability	High to strong results
Sensitivity	75-86%
Specificity	75-86%
Comments	Satisfactory screening tool for low birth weight infants when used in conjunction with other known biologic and social risk factors. Available in Spanish.

Bayley Scales of Infant and Toddler Development Screening Test

Authors	Nancy Bayley, PhD
Publisher	Pearson
Date	2005
Cost	\$199
Age range	1 - 42 months
Domain/Content	Cognitive, language, social-emotional, motor, and adaptive
Time to administer	15-20 minutes
Role of family	Parent/caregiver items
Items passed by	Observation
Results	Cut scores by age for cognitive, language, & motor scales
Type of instrument	Standardized/norm-referenced
Qualifications to administer	All scorers should have a minimum of a bachelor's degree and attend a 5-day training program.
Validity	Validity studies are extensive and correlations vary; see technical manual for more information
Reliability	.86 - .93
Sensitivity	Sensitivity studies are extensive and correlations vary; see technical manual for more information
Specificity	.77 - 1.00
Comments	

The Beery VMI (The Beery-Buktenica Developmental Test of Visual-Motor Integration)

Authors	Keith E. Beery, PhD, Norman A. Buktenica & Natasha A. Beery, PhD
Publisher	Pearson
Date	2008
Cost	\$145
Age range	2-8 yrs
Domain/Content	Visual motor
Time to administer	10-15 minutes
Role of family	N/A
Items passed by	Paper and pencil activities
Results	Standard scores, percentiles, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completed training in measurement, guidance, or an appropriate related field
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	As culture-free, non-verbal assessment, the Beery VMI is useful with individuals of diverse environmental, educational, and linguistic backgrounds.

Brief Infant Toddler Social Emotional Assessment (BITSEA)

Authors	Margaret Briggs-Gowan & Alice Carter
Publisher	Harcourt Assessments
Date	2005
Cost	\$99
Age range	12-36 months
Domain/Content	Social emotional
Time to administer	7-10 minutes
Role of family	Parent report
Items passed by	Parent or child care provider interview
Results	Problem total score and Competence total score
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in psychology with coursework in development and assessment
Validity	Predictive = .71
Reliability	Internal consistency = .65 - .80 Inter-rater = .61 - .68 Test-retest = .85 - .87
Sensitivity	80-99%
Specificity	80-89%
Comments	Available in Spanish, French, Hebrew, Dutch, Chinese, Italian, German, Thai, & Russian

The Brigance System

Authors	Albert Brigance
Publisher	Curriculum Associates, Inc.
Date	2004
Cost	\$275
Age range	Infant/toddler (birth-23months) Early preschool (2 -3) Preschool (3-4)
Domain/Content	Fine motor, gross motor, general knowledge, speech & language, self help, social-emotional, preacademic/academic
Time to administer	10-15 minutes
Role of family	Parent questionnaire component
Items passed by	Structured activities, observations, & parent report
Results	Standardized scores, age equivalents, percentiles, & quotients
Type of instrument	Standardized/norm-referenced, curriculum-referenced, criterion-referenced
Qualifications to administer	No extensive training needed
Validity	Refer to individual manuals
Reliability	Refer to individual manuals
Sensitivity	70-80%
Specificity	70-80%
Comments	Available in Spanish

Child Development Review Parent Questionnaire (CDR-PQ)

Authors	Harold Ireton
Publisher	Children Development Review, Behavior Science Systems, Inc
Date	1990
Cost	\$14.00 per pad of 25 - Manual \$33
Age range	18 months - Kindergarten
Domain/Content	Social, self-help, gross motor, fine motor, language, health, growth, hearing, vision, habits (eating & sleeping), energy, behavior concerns
Time to administer	5 minutes
Role of family	Parent report
Items passed by	Parent questionnaire
Results	1)No Problem 2)Possible Problem 3)Possible Major Problem Compared to age norms; 1) Typical 2) Borderline 3) Delay
Type of instrument	Standardized/Parent report
Qualifications to administer	Paraprofessional
Validity	Discriminate = .81-.89
Reliability	.70
Sensitivity	68%
Specificity	88%
Comments	Available in Spanish Encourages parents to describe their child, the child's activities, strengths, special problems or disabilities and report any parenting concerns.

Childhood Autism Rating Scale (CARS)

Authors	Eric Schopler, Phd., Robert L. Reichler, M.M., & Barbara Rothen Renner PhD.
Publisher	Pearson
Date	1998
Cost	\$85
Age range	2 yrs and older
Domain/Content	Characteristics, abilities, behaviors
Time to administer	15 minutes
Role of family	Parent report component
Items passed by	Observation, parent report, and review of other records
Results	Scores on a 7 point rating scale that helps in identifying possible autism vs developmental delay
Type of instrument	Standardized/Criterion-referenced
Qualifications to administer	Professionals such as physicians, special educators, school psychologists, speech pathologists, and audiologists, who have had only minimal exposure to autism, can easily be trained to use CARS
Validity	Good
Reliability	Overall .71
Sensitivity	
Specificity	90-100%
Comments	

The Denver Developmental Screening Test – II (DDST-II)

Authors	W.K. Frankenberg
Publisher	Denver Developmental Materials
Date	1992
Cost	\$90
Age range	Birth - 6 years
Domain/Content	Expressive & receptive language, articulation, gross motor, fine motor, psychosocial, adaptive, behavior
Time to administer	20 minutes
Role of family	Certain questions are passed by parent report
Items passed by	Parent report, observation, administration of test items Pass, Fail, No Opportunity, Refusal
Results	Normal, suspect, or delayed
Type of instrument	Standardized/Norm-Referenced
Qualifications to administer	Trained paraprofessional
Validity	Improved
Reliability	Fair to excellent
Sensitivity	56-83%
Specificity	43-80%
Comments	Available in Spanish Concerns : normative sample not nationally representative, screening is reported to miss children with developmental delays

Developmental Indicators for the Assessment of Learning – 3rd ed. (DIAL-3)

Authors	Carol Mardell-Czudnowski & Dorteia S. Goldenberg
Publisher	Pearson
Date	1998
Cost	\$515.50
Age range	3 years - 5 years 11 months
Domain/Content	Expressive & receptive language, gross motor, fine motor, early concepts, social/emotional/behavioral
Time to administer	20 – 30 minutes
Role of family	Parent fills out parent information form
Items passed by	Administration of each item, observation, & parent report
Results	Potential problem, OK, potential advanced; Percentile ranks and standard deviations
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Trained professional or paraprofessional
Validity	Concurrent = .79
Reliability	Internal reliability = .87 Inter-rater = .90 Test-retest = .82 - .88
Sensitivity	83%
Specificity	86%
Comments	Recommended for large group screening. Child is expected to separate from parent as he/she moves through stations, which is not best practice. This requires the child to interact with several strangers. It is best practice to have the parent present to answer questions and to relate whether or not the behavior is typical. Available in Spanish

Developmental Test of Visual Motor Integration (VMI)

Authors	Keith E. Beery & Norman A. Buktenica
Publisher	Follett Educational Corporations
Date	2006 (5 th Edition)
Cost	\$115
Age range	2 – 8 years
Domain/Content	Visual motor
Time to administer	10 – 15 minutes
Role of family	N/A
Items passed by	Child copies pictures
Results	Number of forms that have been copied successfully prior to 3 consecutive failures
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Used by psychologists, learning disability specialists, school counselors, teachers, and other professionals
Validity	.89
Reliability	.83 - .93
Sensitivity	N/A
Specificity	N/A
Comments	Scoring procedures contain a high amount of subjectivity

Early Childhood Developmental Inventory (ECDI)

Author	Harold Ireton, PhD
Publisher	Pearson
Date	2006
Cost	\$80
Age range	18-36 months
Domain/Content	Gross motor, fine motor, language, comprehension, and personal-social
Time to administer	10 minutes
Role of family	Parent completes
Items passed by	Yes/no questionnaire
Results	Standard deviations
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Family completes Professional interprets
Validity	
Reliability	
Sensitivity	92-93%
Specificity	80%
Comments	Available in Spanish Part of the Child Development Inventories (CDI)

Early Screening Inventory -Revised (ESI-R)

Author	Sam Meisels, Dorothea Marsden, Martha Stone Wiske, Laura Henderson
Publisher	Pearson
Date	2008
Cost	\$120 – Kit \$135 – English materials \$124 – Spanish materials
Age range	3 - 6 years
Domain/Content	Visual-motor/adaptive, language and cognition, gross motor
Time to administer	15-20 minutes
Role of family	Includes parent questionnaire
Items passed by	"Points", "fails", "refuses"
Results	Refer, Rescreen, OK
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Can be trained using manual and video
Validity	Predictive = .73
Reliability	Inter-rater = .97 - .99 Test-retest = .87 - .98
Sensitivity	92-93%
Specificity	80%
Comments	Available in Spanish Easy to administer Technically sound

Early Screening Profiles (ESP)

Author	Alan S. Kaufman Phd., Domenic V. Cicchetti, John Rynders PhD, Nadeen L. Kaufman EdD, Patti L. Harrison PhD, Robert H. Bruininks PhD, Sara S. Sparrow, Steven Ilmer PhD
Publisher	Pearson
Date	1990
Cost	\$346.10
Age range	2 yr – 6 yr 11 months
Domain/Content	Cognitive/language profile, motor profile, self-help/social profile
Time to administer	15-40 minutes
Role of family	Parent survey components include; home, health history, behavior
Items passed by	Observation, parent questionnaire, & direct administration of items
Results	Level I; screening index and standard deviation Level II; percentiles, standard scores, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Paraprofessional
Validity	Validity studies are extensive and correlations vary; see technical manual for more information
Reliability	Internal consistency = .60 - .90 Test-retest = .55 - .93 Inter-observer = .80 - .99
Sensitivity	53-93%
Specificity	65-88%
Comments	Backed by extensive research Brief yet comprehensive

FirstSTEP Preschool Screening Instrument-revised

Author	Lucy Miller
Publisher	Harcourt Assessment
Date	1993
Cost	\$259
Age range	2 yr 9 months – 6 yr 2 months
Domain/Content	Cognition, fine motor, gross motor, communication, social-emotional
Time to administer	15-20 minutes
Role of family	Parent report component
Items passed by	Observation
Results	Age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Should consult manual
Validity	See technical manual for further description of validity studies
Reliability	Inter-rater = .91 - .94 Test-retest = .90 Concurrent = .63 - .82
Sensitivity	72-85%
Specificity	76-83%
Comments	

Fluharty

Authors	Nancy Buono Fluharty
Publisher	Pearson
Date	2000
Cost	\$175
Age range	3 through 6 years 11 months
Domain/Content	Articulation, repeating sentences, responding to directives & answering questions, describing actions & sequencing events
Time to administer	10-15 minutes
Role of family	N/A
Items passed by	Direct administration
Results	Standard scores, percentiles, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Bachelor's degree with course work in measurement and in the administration & interpretation of tests
Validity	Strong
Reliability	High
Sensitivity	Speech & Language: 43% Speech: 74% Language: 38%
Specificity	Speech & Language: 82% Speech: 96% Language: 85%
Comments	

Gilliam Asperger's Disorder Scale (GADS)

Author	James Gilliam
Publisher	Pearson Assessment
Date	2000
Cost	\$130
Age range	3 – 22 years old
Domain/Content	Behavior characteristics of Asperger's Disorder
Time to administer	5 - 10 minutes
Role of family	Can be completed by parent
Items passed by	32 items divided into 4 subscales
Results	Standard scores & percentiles Table provided for determining the likelihood that the child has Asperger's
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Paraprofessional or parent
Validity	Strong
Reliability	High
Sensitivity	
Specificity	
Comments	Available in Spanish

Infant Development Inventory (IDI)

Author	Harold Ireton, PhD.
Publisher	Children Development Review, Behavior Science Systems, Inc.
Date	1994
Cost	\$14 for a pad of 25
Age range	Birth – 18 months
Domain/Content	Social, self-help, gross motor, fine motor and language
Time to administer	10 minutes
Role of family	Parent questionnaire
Items passed by	Observation and parent questionnaire
Results	Percent below age, standard deviations
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Paraprofessional
Validity	Concurrent = .69
Reliability	.70
Sensitivity	90%
Specificity	93%
Comments	Available in Spanish

Kaufman Brief Intelligence Test (KBIT)

Authors	Alan Kaufman and Nadeen Kaufman
Publisher	Western Psychological Services
Date	2004
Cost	\$250
Age range	4 – 90 years
Domain/Content	Verbal and nonverbal intelligence
Time to administer	20 minutes
Role of family	N/A
Items passed by	Individually administered verbal and nonverbal tasks
Results	Verbal and nonverbal scores and composite IQ
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	High
Reliability	.88-.98
Sensitivity	N/A
Specificity	N/A
Comments	Although this tool must be administered in English, correct responses in other languages are given credit. The KBIT-2 provides correct Spanish language responses on the record form for the Riddles subtest, making scoring easier and more accurate.

Kent Inventory of Developmental Skills (KIDS)

Author	Jeanette Reuter, PhD, Lewis Katoff, PhD, Chris Gruber, PhD
Publisher	Western Psychological Services
Date	2001
Cost	\$120
Age range	Infancy through 15 months
Domain/Content	Motor, self-help, cognitive, communication, and social skills
Time to administer	45 minutes
Role of family	Caregiver completes
Items passed by	Questionnaire based on observation
Results	Age equivalency and standard scores
Type of instrument	Standardized/Norm-referenced
Qualifications to administer	Caregiver completes
Validity	.95
Reliability	.86-.98 High for infants between 2 and 12 months
Sensitivity	
Specificity	
Comments	Linguistically adapted and standardized versions are available for the Netherlands, Spain, Russia, and Hungary.

Minneapolis Preschool Screening Instrument – Revised (MPSI-R)

Author	Thyde Dumont-Mathieu, M.D., M.P.H, Deborah Fein, PhD, Jamie Kleinman, B.A.
Publisher	Minneapolis Public Schools
Date	2005
Cost	\$65
Age range	3 – 6 yrs
Domain/Content	Fine motor, gross motor, language, cognitive, literacy, attention/activity, sociability
Time to administer	12 – 15 minutes
Role of family	Parent report component
Items passed by	Administration of test items, observation, parent report
Results	2 behavioral indexes: Social Interactivity, Activity Levels
Type of instrument	Standardized/Norm-referenced
Qualifications to administer	Paraprofessional
Validity	Concurrent = .76 - .90
Reliability	Internal consistency = .93 -.94
Sensitivity	71-83%
Specificity	89-93%
Comments	Available in Spanish, Somali, & Hmong Includes early literacy items. Generally enjoyable for children.

Modified-Checklist for Autism in Toddlers (M-CHAT)

Authors	Thyde Dumont-Mathieu, M.D., M.P.H, Deborah Fein, Ph.D., Jamie Kleinman, B.A.
Publisher	Public domain: http://www2.gsu.edu/~p3ydlr/
Date	2005
Cost	N/A
Age range	16 – 48 months
Domain/Content	Joint attention & pretend play
Time to administer	25 minutes
Role of family	Parent report checklist
Items passed by	Passing or failing five key items
Results	Cut off scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Developed for use by physicians
Validity	Not known
Reliability	Not known
Sensitivity	85-95%
Specificity	93%
Comments	Available in Spanish, Turkish, Japanese

Parent Interview for Autism (PIA)

Authors	Wendy L. Stone, Elaine E. Coonrod, Stacie L. Pozdol, Lauren M. Turner
Publisher	
Date	
Cost	
Age range	
Domain/Content	Social behavior, sensory behavior, repetitive & mundane activity, & communication
Time to administer	45 minutes
Role of family	Parent interview
Items passed by	
Results	
Type of instrument	
Qualifications to administer	
Validity	
Reliability	Above .60
Sensitivity	High
Specificity	
Comments	

Parent's Evaluation of Developmental Status (PEDS)

Authors	Frances Glascoe
Publisher	Ellsworth & Vandemeer Press, LLC
Date	1998
Cost	\$30
Age range	Birth - 8 years
Domain/Content	Motor, communication, cognitive, social-emotional
Time to administer	2-5 minutes
Role of family	Parent interview or parent questionnaire
Items passed by	Parent report of 10 short questions
Results	Refer for evaluation, screen further, watch carefully, counsel parents, reassure parents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Paraprofessionals
Validity	Concurrent = .60 - .86
Reliability	Inter-rater = .95 Test-retest = .88 Internal consistency = .81
Sensitivity	75%
Specificity	74%
Comments	Available in Spanish, Vietnamese, Somali, Hmong, Chinese, Arabic, Indonesian, Malaysian, Portuguese, French, Russian, Haitian-Creole, Taiwanese with Thai, Laotian coming soon. Written at the 4 th -5 th grade level.

Parents' Observation of Infants and Toddlers (POINT)

Authors	Carol Mardell-Czudnowski & Dortehea S. Goldenberg
Publisher	Pearson
Date	2008
Cost	\$200 – English basic kit \$200 – Spanish basic kit
Age range	2 - 36 months
Domain/Content	All areas of development
Time to administer	15 - 20 minutes
Role of family	Parent/caregiver fills out Record Form
Items passed by	Administration of each item, observation, & parent report
Results	OK or Possible Problem Percentile cut-off points, standard scores, percentile ranks, age equivalents
Type of instrument	Standardized/Norm-Referenced
Qualifications to administer	Step by step instruction provided in the manual
Validity	Excellent
Reliability	Excellent
Sensitivity	Not available
Specificity	Not available
Comments	Questions written at a third grade level Scoring takes only a few minutes Available in Spanish

Pediatric Symptom Checklist

Authors	Michael Jellinek, MD. & Michael Murphy, Ed.D
Publisher	Michael Jellinek, MD. & Michael Murphy, Ed.D
Date	1998
Cost	Free download at http://www.massgeneral.org/allpsych/PediatricSymptomChecklist/psc_order.htm
Age range	4 – 16 yrs
Domain/Content	Cognitive, emotional, & behavioral
Time to administer	10-15 minutes
Role of family	Parent checklist
Items passed by	"Never (0)", "Sometimes" (1), "Often" (2)
Results	Cutoff scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Parent completes with interpretation by practitioner with advanced training
Validity	Concurrent = .79 - .92
Reliability	Test-retest = .84 - .91
Sensitivity	88-92%
Specificity	68-99%
Comments	Available in Spanish, Chinese, and Japanese

Pervasive Developmental Disorder Screening Test (PDDST-II)

Authors	Bryan Siegel, PhD
Publisher	Pearson
Date	2004
Cost	\$149
Age range	12 – 48 months
Domain/Content	Characteristics of autism
Time to administer	10 – 20 minutes
Role of family	Parent completes questionnaire
Items passed by	Parent report
Results	Pass/fail
Type of instrument	Standardized
Qualifications to administer	Masters degree or equivalent training
Validity	
Reliability	
Sensitivity	70-90%
Specificity	76-91%
Comments	

Preschool Developmental Inventory (PDI)

Authors	Harold Ireton, PhD
Publisher	Pearson
Date	2006
Cost	\$80
Age range	36 – 60 months
Domain/Content	Gross motor, fine motor, language, comprehension, and personal-social
Time to administer	10 minutes
Role of family	Parent completes
Items passed by	Yes/no questionnaire
Results	Standard deviations
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Parent completes Professional interprets
Validity	
Reliability	
Sensitivity	Data concerning the sensitivity/specificity of the PDI indicate that the parents' information matched professionals' assessment of child's need for early childhood special education
Specificity	
Comments	

Reynolds Intellectual Screening Test (RIST)

Author	Cecil Reynolds, PhD, Randy Kamphaus, PhD
Publisher	Western Psychological Services
Date	
Cost	\$200
Age range	3 - 94 years
Domain/Content	Verbal, non-verbal intellectual skills
Time to administer	10 - 15 minutes
Role of family	
Items passed by	One on one administration
Results	<i>T</i> scores, <i>Z</i> scores, normal curve equivalents (NCE), stanines and age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	A degree from an accredited 4-year college or university in Psychology, Counseling, or a closely related field PLUS satisfactory completion of coursework in Test Interpretation, Psychometrics and Measurement Theory, Educational Statistics, or a closely related area; OR license or certification from an agency that requires appropriate training and experience in the ethical and competent use of psychological tests.
Validity	.67-.83
Reliability	.84-.95
Sensitivity	
Specificity	
Comments	Has an evaluation tool

Screening Tool for Autism in Toddlers (STAT)

Author	
Publisher	
Date	
Cost	
Age range	24-36 months
Domain/Content	12 activities in the areas of play, imitation, and communication
Time to administer	20 minutes
Role of family	
Items passed by	
Results	Quantitative score measures impairment across a wide range of severity
Type of instrument	
Qualifications to administer	<p>Used by psychologists, pediatricians, speech-language pathologists, social workers, preschool teachers, and early intervention specialists.</p> <p>Certification for independent use of the STAT can be obtained by completing three steps:</p> <ul style="list-style-type: none"> • Attending a STAT training workshop • Scoring a STAT videotape that we provide • Demonstrating administration fidelity and achieving scoring reliability on two STATs that you conduct yourself
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Social Communication Questionnaire

Author	Michael Rutter, M.D., FRS, Anthony Bailey, M.D. & Catherine Lord, Ph.D.
Publisher	Western Psychological Services
Date	2003
Cost	\$104
Age range	Over 4 yrs.
Domain/Content	Communication skills & Social Functioning
Time to administer	Less than 10 minutes
Role of family	Parent completes yes/no questionnaire
Items passed by	Total score with cutoff points
Results	Identifies children who may have autism or be on the autism spectrum
Type of instrument	
Qualifications to administer	
Validity	High
Reliability	
Sensitivity	85%
Specificity	85%
Comments	Brief, quick, easily administered, inexpensive. Available in Spanish

Social Skills Improvement System (SSIS)

Author	Stephen Elliot PhD, Frank Gresham PhD
Publisher	Pearson
Date	2007
Cost	\$344 – Preschool starter kit
Age range	Preschool age
Domain/Content	Prosocial behaviors, motivation to learn, reading skills, math skills
Time to administer	30 minutes
Role of family	N/A
Items passed by	
Results	Quantitative score measures impairment across a wide range of severity
Type of instrument	Criterion-referenced
Qualifications to administer	None
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Universal screening tool Includes subscales for autism Spanish materials

Social Response Scale (SRS)

Author	John Constantino, M.D.
Publisher	Western Psychological Services
Date	
Cost	\$91
Age range	4 – 18 years
Domain/Content	Social awareness, social information processing, capacity for reciprocal social communication, social anxiety, autistic preoccupations and traits
Time to administer	15-20 minutes
Role of family	Parent completes
Items passed by	
Results	Quantitative score measures impairment across a wide range of severity
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

EVALUATION INSTRUMENTS & METHODS

Definition: Procedures used by appropriate qualified personnel to determine or diagnose a developmental delay or disability and eligibility under IDEA.

Purposes:

- To determine if a child has a significant delay in one or more area of development
- To determine what programs or services a child is eligible for
- To determine the need for early intervention or special education services
- To gather information about the child's development, strengths, and needs in order to develop an individualized plan
- To provide information to parents and care givers on child development and parenting practices
- To provide information to parents about available community resources

Process:

The evaluation process is collaborative and uses a *variety* of methods and procedures to gather information about the;

- Child's status in each area of development
- Child's strengths and areas of need
- Family's concerns and priorities

Note: Evaluation procedures are comprised of both informal and formal measures and include a review of appropriate existing data.

In addition to the various published evaluation instruments listed in this document, child find teams collect information about the child and family during the evaluation process in the following ways:

- Observation of the child
- Parent/teacher report
- Staff created checklists
- Staff created play observation forms
- Informal developmental norms
- Language samples

Informed Clinical Opinion:

A process that evaluation teams use to synthesize *all* the information gathered about a child/family in order to make a determination of significant delay in a child's development.

Compendium of Evaluation Instruments

All Areas of Development (17)

- Battelle Developmental Inventory (BDI)
- Bayley Scales of Infant Development
- Child Development Inventory (CDI)
- Developmental Assessment of Young Children (DAYC)
- Developmental Observation Checklist (DOCS)
- Developmental Profile 3 (DP-3)
- Early Learning Accomplishment Profile (ELAP)
- Infant-Toddler Developmental Assessment (IDA)
- Learning Accomplishment Profile (LAP)
- Miller Assessment for Preschool (MAP)
- Miller Function and Participation Scales
- Mullen Scale of Early Learning (MSEL)
- Pathways
- Pediatric Evaluation of Disability Inventory (PEDI)
- Preschool Evaluation Scale (PES)
- Routines-Based Interview (RBI)
- Transdisciplinary Play Based Assessment (TPBA)

Speech & Language (22)

- Arizona Articulation
- Bilingual Language Proficiency Questionnaire
- Clinical Assessment of Articulation & Phonology (CAAP)
- Clinical Evaluation of Language Fundamentals – Preschool (CELF)
- Expressive One Word Picture Vocabulary Test (EOWPVT)
- Goldman Fristoe Test of Articulation (GFTA)
- Hodson Assessment of Phonological Patterns (HAPP-3)
- Kahn-Lewis Phonological Analysis
- Peabody Picture Vocabulary Test (PPVT)
- Preschool Language Scales (PLS)
- Receptive Expressive Emergent Language (REEL)
- Receptive One Word Picture Vocabulary Test (ROWPVT)
- Rosetti Infant-Toddler Language Scale
- Sequenced Inventory of Communication Development (SICD)
- Spanish Articulation Measures (SAM)
- Spanish Language Assessment Test (SLAP)
- Structured Photographic Articulations Test (SPAT-D)
- Structured Photographic Expressive Language Test (SPELT-P)
- Stuttering Severity Instrument
- Test of Auditory Comprehension of Language (TACL)
- Test of Auditory Processing (TAP)
- Test of Language Development (TOLD)

- Social Emotional (9)
- Adaptive Behavior Assessment System (ABAS)
- Behavioral Assessment System for Children (BASC)
- Coping Inventory
- Early Coping Inventory
- Infant Toddler Social Emotional Assessment (ITSEA)
- Preschool & Kindergarten Behavior Scales (PKBS)
- Social Competence Behavior Evaluation (SCBE)
- Temperament and Atypical Behavior Scale (TABS)
- Vineland Adaptive Behavior Scale (SEEC)

Motor (4)

- Alberta Infant Motor Scales (AIMS)
- Bayley Scales of Infant and Toddler Development Motor Scales
- Peabody Developmental Motor Scales (PDMS)
- Test of Gross Motor Development (TGMD)

Sensory (3)

- Infant/Toddler Sensory Profile
- Infant/Toddler Symptom Checklist
- Sensory Profile

Autism (5)

- Autism Diagnostic Inventory (ADI)
- Autism Diagnostic Observation System (ADOS)
- Autism Screening Instrument for Educational Planning (ASIEP)
- Gilliam Asperger's Disorder Scale (GADS)
- Gilliam Autism Rating Scale (GARS)

Language/Cognition (10)

- Bilingual Language Proficiency Questionnaire
- Bracken Basic Concepts Scale – Expressive (BBCS:E)
- Bracken Basic Concepts Scale – Receptive (BBCS:R)
- Differential Ability Scales (DAS)
- Early Stanford Binet Intelligence Scales
- Kaufman Survey of Early Academic and Language Skills (K-SEALS)
- Reynolds Intellectual Assessment Scale (RIAS)
- Slosson Intelligence Test
- Wechsler Preschool and Primary Scale of Intelligence (WPPSI)
- Young Children's Achievement Test (YCAT)

All Areas of Development

Battelle Developmental Inventory (BDI)

Authors	J. Newborg, J.R. Stock & J. Wnek
Publisher	Riverside Publishing Co.
Date	2004
Cost	\$498
Age range	Birth - 8 years
Domain/Content	Personal-social, adaptive, motor, communication, cognitive
Time to administer	1.5 hours
Role of family	Certain items can be answered by interview with the family
Items passed by	Structures activities, observation, & parent interview
Results	Age equivalents, percentiles, standard deviations
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in early childhood testing, or special appraisal methods for an early development test
Validity	Validity studies vary widely Predictive validity is better for older than younger children
Reliability	Test-retest = .90 - .99 Inter-rater = .90 - .99
Sensitivity	82%
Specificity	84%
Comments	Adaptations for children with motor, hearing, visual impairments, and children with emotional disabilities. Very few items in some age ranges. Available in Spanish

Bayley Scales of Infant and Toddler Development (BSID-II)

Authors	Nancy Bayley
Publisher	Pearson
Date	2005
Cost	995.00
Age range	One month – 3 years 6 months
Domain/Content	Mental, motor, behavior
Time to administer	25 – 30 minutes for children under 15 months and up to 60 minutes for children older than 15 months
Role of family	Parents are now a larger part of the assessment for a more realistic perspective on the child's abilities
Items passed by	Structures activities, observation
Results	Index scores & subtest scaled scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of doctoral training in psychology or education
Validity	.44
Reliability	.86-.98
Sensitivity	Extensive & correlations vary – refer to manual
Specificity	77/100%
Comments	Complex to interpret. A shorter form was developed for younger children. Scores are affected by environmental variations.

Child Development Inventory (CDI)

Authors	Harold Ireton, PhD
Publisher	Behavior Science Systems, Inc.
Date	1999
Cost	\$80
Age range	15 months to 6 years
Domain/Content	Social, self help, gross motor, fine motor, expressive language, language comprehension, letters, numbers, general development
Time to administer	3-50 minutes
Role of family	Parent completes questionnaire
Items passed by	Yes/No, observation
Results	Developmental quotients, age equivalents
Type of instrument	Standardized/Norm-referenced
Qualifications to administer	Professional
Validity	.84
Reliability	Above 80%
Sensitivity	80-100%
Specificity	94-96%
Comments	Difficult for parents with low literacy levels and thus must be used in interview format occasionally. Available in Spanish

Developmental Assessment for Young Children (DAYC)

Authors	Judith K. Voress & Taddy Maddox
Publisher	Western Psychological Services
Date	1998
Cost	\$259
Age range	Birth through 5 years
Domain/Content	Cognition, social-emotional, adaptive behavior, communication, physical development
Time to administer	10-20 minutes
Role of family	Parent interview component
Items passed by	Observation, interviews and direct assessment
Results	Standardized scores, percentile scores, age equivalents, General Developmental Quotient (GDQ)
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	The older the child the better the predictive validity
Reliability	.90 - .99
Sensitivity	
Specificity	
Comments	

16. Developmental Observation Checklist System (DOCS)

Authors	Wayne P. Hresko, Shirley A. Miguel, Rita J. Sherbenou, Steve D. Burton
Publisher	Pro-Ed
Date	1994
Cost	\$361.90
Age range	Birth through 6 years
Domain/Content	General development, adjustment behavior, parent stress/support
Time to administer	
Role of family	Parent report
Items passed by	Yes/no questions
Results	Standardized scores, percentile scores, age equivalents, quotients
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	.38-.72
Reliability	.91-.94
Sensitivity	Good
Specificity	Good
Comments	Instructions on how to administer if the child is blind

Developmental Profile 3 (DP-3)

Authors	G. Alpern, T. Boll, and M. Shearer
Publisher	Western Psychological Services
Date	1986
Cost	\$199
Age range	Birth through 12 years 11 months
Domain/Content	Physical, adaptive, social-emotional, cognitive, communication
Time to administer	20 – 40 minutes
Role of family	Parent interview or checklist
Items passed by	Parent report
Results	Standardized scores, percentile ranks, stanines, age equivalents & descriptive ranges
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in test & measurement with relevant experience
Validity	
Reliability	Internal consistency .89-.97 Test-retest .81-.92
Sensitivity	
Specificity	
Comments	

Early Learning Accomplishment Profile (ELAP)

Authors	A.R. Sanford and J. G. Zelman
Publisher	Kaplan Early Learning Company
Date	2004
Cost	\$334.94
Age range	Birth – 36 months
Domain/Content	Gross motor, fine motor, cognitive, language, social emotional, self help
Time to administer	45-90 minutes
Role of family	Parent may complete
Items passed by	Pass/fail
Results	Developmental age
Type of instrument	Criterion-referenced
Qualifications to administer	Teachers, special educators, or parents
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Includes instructions regarding several adaptations for use with children with visual and multiple disabilities

Infant/Toddler Developmental Assessment (IDA)

Authors	Sally Provence, Joanna Erikson, Susan Vater, Saro Palermi
Publisher	Riverside Publishing Co.
Date	1995
Cost	\$643.50
Age range	Birth – 36 months
Domain/Content	Motor, language, cognitive-adaptive, feelings social adaptation, & personality trait domains, as well as health concerns & family strengths & priorities.
Time to administer	Varies
Role of family	Parent are partners in all aspects of the assessment
Items passed by	Parent report
Results	Limited age range; “competent” or “concern”
Type of instrument	Curriculum-Based/Criterion Referenced
Qualifications to administer	Professional who has experience working with infants, toddlers & families
Validity	.84-1.0
Reliability	.65 or higher
Sensitivity	
Specificity	
Comments	Comprehensive, multidisciplinary, family-centered process. The interdependency of health, family, & emotional/social factors that influence the child’s development are considered throughout the assessment process. Parent form available in Spanish

Learning Accomplishment Profile (LAP)

Authors	A. R. Sanford and J. G. Zelman
Publisher	Kaplan Companies
Date	2002
Cost	\$474.95
Age range	3 – 6 years
Domain/Content	Gross motor, fine motor, cognitive, language, pre-writing, personal skills, social skills
Time to administer	45-90 minutes
Role of family	Parent may complete
Items passed by	Pass/fail
Results	Developmental age
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Teacher, special educator, or parent
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Miller Assessment for Preschool (MAP)

Authors	Lucy Miller, PhD, OTR, FAOTA
Publisher	Pearson
Date	1988
Cost	\$780
Age range	2.9 through 5.8 years
Domain/Content	Motor, language, cognitive
Time to administer	30 – 40 minutes
Role of family	N/A
Items passed by	Directly administered test items, observation
Results	Percentiles
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	<p>The MAP was intended as a screening device</p> <p>The author states that the MAP should not be used with children who have physical, mental, or emotional difficulties because the normative sample did not include children with any sort of impairments</p>

Miller Function and Participation Scales

Authors	Lucy Miller, Ph.D, OTR, FAOTA
Publisher	Pearson
Date	2006
Cost	\$369
Age range	2.6 – 7.11
Domain/Content	Functional tasks related to classroom participation with an emphasis on motor
Time to administer	55 – 65 minutes
Role of family	Parent questionnaire
Items passed by	Observation & parent & teacher questionnaire
Results	Scaled scores, percentiles, and age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	.47-6.2
Reliability	Test-retest = .77-.82 Internal consistency = .85-.96 Inter-rater agreement = .91-.93
Sensitivity	38-89%
Specificity	80-100%
Comments	

Mullen Scales of Early Learning (MSEL)

Authors	Eileen Mullen
Publisher	Pearson
Date	1995
Cost	Full kit - \$740 Cognitive only - \$170
Age range	Birth - 5.8 years
Domain/Content	Gross & fine motor, expressive & receptive language, visual reception
Time to administer	15-60 minutes
Role of family	N/A
Items passed by	Individually administered test items
Results	T-scores, percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	PhD or masters degree in psychology or related field
Validity	Excellent
Reliability	Excellent
Sensitivity	
Specificity	
Comments	Report lists DAP tasks that parents can help their child learn at home

Pathways: A Child and Family Journey

Authors	Developed by the Department of Speech, Language, & Hearing at the University of Colorado - Boulder
Publisher	University of Colorado
Date	1996
Cost	
Age range	All ages
Domain/Content	All areas of development
Time to administer	Varies
Role of family	Parents are encouraged to take the lead and to invite others who know the child
Items passed by	N/A
Results	Profile of the child's strengths, abilities and needs
Type of instrument	A team discussion lead by the parent
Qualifications to administer	Person knowledgeable about the child
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Available in Spanish Useful in facilitating a wholistic, transdisciplinary dialogue about a child which leads to comprehensive information sharing

Pediatric Evaluation Disability Inventory (PEDI)

Authors	Stephan Haley, Wendy Coster, Larry Ludlow, Jane Haltwanger, Peter Andrello
Publisher	Pearson
Date	1992
Cost	\$115
Age range	6 months - 7 years
Domain/Content	Self care, mobility, social function
Time to administer	45 – 60 minutes
Role of family	Parent report
Items passed by	Checklists, judgment of caregiver
Results	Standard & scaled scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Person familiar with the child
Validity	Extensive - refer to manual
Reliability	Internal = .95-.99 Inter-interviewer = .96-.99
Sensitivity	
Specificity	
Comments	

Preschool Evaluation Scale (PES)

Authors	Stephen McCarney, EdD, Paul Anderson, PhD
Publisher	Hawthorne Educational Services, Inc
Date	
Cost	\$192
Age range	Birth through 72 months
Domain/Content	Motor, cognitive, expressive language, social/emotional, self-help
Time to administer	20 minutes
Role of family	
Items passed by	observation
Results	Standard scores, percentile ranks
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Routines-Based Interview (RBI)

Authors	Robin McWilliam
Publisher	N/A
Date published	N/A
Cost	N/A
Age range	Birth - 6 years
Domain/Content	All areas of development within the context of daily routines
Time to administer	60 – 90 minutes
Role of family	Parent interview
Items passed by	For information on conducting an RBI go to: http://www.fpg.unc.edu/~inclusion/RBI.pdf
Results	Interview elicits times of the days that are difficult for the family and family priorities
Type of instrument	Interview
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Excellent process in gathering information where about a child's functional skills within daily routines and identifying parents/teachers concerns

Transdisciplinary Play-Based Assessment (TPBA)

Authors	Toni Linder
Publisher	Brooks Publishing
Date published	2008
Cost	\$149.95
Age range	Infancy to 6 years
Domain/Content	Cognitive, social-emotional, communication, language, sensorimotor
Time to administer	Varies
Role of family	Parent is considered part of the assessment team
Items passed by	Observation of play. Team approach which includes the parents and facilitated by one team member
Results	Team report on child's levels of function in all areas of development
Type of instrument	Curriculum-based/criterion-referenced
Qualifications to administer	Professional familiar with early childhood development
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Highly individualized, natural, authentic, and functional. Stresses the importance of a team approach which includes the parents. Includes protocols on orientation & mobility in order to assess children with vision &/or hearing impairments.

Speech & Language Development

Arizona Articulation Proficiency Scale

Authors	Janet Barker Fudala, PhD
Publisher	Western Psychological Services
Date	2001
Cost	\$147.50
Age range	1.5 through 18 years
Domain/Content	Articulation
Time to administer	Less than 3 minutes
Role of family	N/A
Items passed by	Child naming pictures
Results	Intelligibility descriptions, severity designations, percentile scores, standardized scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of graduate training as an SLP
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Quick, reliable & well standardized measure

Bilingual Language Proficiency Questionnaire

Authors	L.J. Mattes, G. Santiago L.J. Mattes, L. Nguyen
Publisher	Academic Communication Associates, Inc
Date	1985
Cost	\$16.95
Age range	0 – 8 years
Domain/Content	Articulation, language, voice, fluency, & pragmatics
Time to administer	No guidelines
Role of family	Parent questionnaire
Items passed by	Parent interview about child's language patterns
Results	Determines the language that is most appropriate for a child's instructional program
Type of instrument	Non-standardized/open ended instrument
Qualifications to administer	Speech Language Pathologist & other special educators who are fluent in Spanish or vietnamese
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	English/Spanish version English/Vietnamese version Can be useful in re-interpreting scores on standardized tests when low achievement may be due to limited language exposure.

Clinical Assessment of Articulation & Phonology (CAAP)

Authors	Wayne Secord, PhD, CCC-SLP, JoAnn Donohue, M.A., CCC-SLP
Publisher	Pro-Ed
Date	
Cost	\$249
Age range	2.6 years – 8.11 years
Domain/Content	Articulation & phonology
Time to administer	15 – 20 minutes
Role of family	N/A
Items passed by	checklist
Results	Standardized scores, percentile ranks, age equivalents, & a <i>Critical Difference Score</i>
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Speech Language Pathologist
Validity	.72-.74
Reliability	Test-retest = .86-.97 Inter-rater = .99
Sensitivity	
Specificity	
Comments	Time efficient & accurate, easy to score & interpret.

Clinical Evaluation of Language Fundamentals – Preschool (CELF-Preschool)

Authors	E. Wiig, W. Secord, & E. Semel
Publisher	Pearson
Date	2004
Cost	\$479
Age range	3 years through 6 years 11 months
Domain/Content	Semantics, morphology & syntax, auditor
Time to administer	30-45 minutes
Role of family	N/A
Items passed by	Administered items in one on one setting, observation
Results	Standard scores, percentiles, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in tests & measurement with relevant experience Speech Language Pathologists recommended
Validity	
Reliability	.86-.96
Sensitivity	
Specificity	
Comments	

Expressive One-Word Picture Vocabulary Test (EOWPVT)

Authors	R. Bronwell
Publisher	Academic Therapy Publications
Date	2000
Cost	\$155
Age range	2 – 18.11 years
Domain/Content	Expressive vocabulary
Time to administer	10-15 minutes
Role of family	N/A
Items passed by	Child names pictures of objects, actions & concepts in one on one setting
Results	Standard scores, percentile ranks
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of graduate training in tests & measurement with relevant experience
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Spanish materials

Goldman Fristoe Test of Articulation (GFTA)

Authors	Dr. Ronald Goldman, Dr. Macalynne Fristoe
Publisher	Pearson
Date	2001
Cost	\$255
Age range	2 – 21.11 years
Domain/Content	Articulation
Time to administer	5 – 15 minutes
Role of family	N/A
Items passed by	Standard scores, percentiles, age equivalents
Results	To diagnose error types, a trained speech pathologist must interpret the results
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	Internal = .94 - .96 Test-retest = .98 Inter-rater = .90 - .93
Sensitivity	
Specificity	
Comments	

Hodson Assessment of Phonological Processes (HAPP-3)

Authors	B.W. Hodson
Publisher	PRO-ED
Date	1986
Cost	\$199
Age range	3 – 12 years
Domain/Content	Articulation
Time to administer	15 – 20 minutes
Role of family	N/A
Items passed by	Child names objects and pictures
Results	Total score, phonological score, severity interval rating for phonology
Type of instrument	Standardized/norm-referenced & criterion-referenced
Qualifications to administer	SLP or student with S/L assessment training
Validity	Good
Reliability	Good
Sensitivity	
Specificity	
Comments	Many clinicians report this tool is complicated to use & score Designed for highly unintelligible children Comprehensive screening & evaluation test

Kahn-Lewis Phonological Analysis

Authors	Linda Kahn and Nancy Lewis
Publisher	Pearson
Date published	2002
Cost	\$149
Age range	2 – 21 years
Domain/Content	Articulation
Time to administer	10 – 30 minutes
Role of family	N/A
Items passed by	Transferring responses from the Goldman-Fristoe to the KLPA-2 Analysis Form
Results	Standard scores, percentiles, age equivalents, percent-of-occurrence
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	.88 -.89
Reliability	.95 -.97
Sensitivity	
Specificity	
Comments	Intended to be used in conjunction with the Goldman-Fristoe Test of Articulation

Peabody Picture Vocabulary Test –Third Edition (PPVT-III)

Authors	Lloyd Dunn, PhD, Douglas Dunn, PhD
Publisher	Pearson
Date	1997
Cost	\$390
Age range	2.6 years through 90 years
Domain/Content	Receptive vocabulary
Time to administer	11 – 12 minutes
Role of family	N/A
Items passed by	Child points to pictures named
Results	Percentiles, normal curve equivalents, stanines, age & grade equivalents, growth Scale Value
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Bachelor's degree with course work in measurement and in the administration & interpretation of tests
Validity	.69-.91
Reliability	Internal = .92 - .98 Test-retest = .92
Sensitivity	
Specificity	
Comments	Can be used to assess the English vocabulary of non-English speaking children.

Preschool Language Scale – Fourth Edition (PLS- 4)

Authors	I.L. Zimmerman, V.G. Steiner, R.E. Pond
Publisher	Pearson
Date	2002
Cost	\$239
Age range	Birth through 6.11 years
Domain/Content	Auditory comprehension, expressive communication
Time to administer	20 – 40 minutes
Role of family	Parent questionnaire component
Items passed by	Language sample checklist, articulation screener, caregiver questionnaire
Results	Standard scores, percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced Articulation screener (criterion referenced)
Qualifications to administer	Master's degree or appropriate training
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Available in Spanish

Receptive Expressive Emergent Language (REEL)

Authors	Kenneth Bzoch, Richard League, Virginia Brown
Publisher	Pearson
Date	2003
Cost	\$120
Age range	Birth through 3 years
Domain/Content	Receptive & expressive language, vocabulary
Time to administer	20 minutes
Role of family	Parent interview
Items passed by	Parent interview of behavioral observations
Results	Standard scores, percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Bachelor's degree with course work in measurement and in the administration & interpretation of tests
Validity	Good
Reliability	.90
Sensitivity	
Specificity	
Comments	

Receptive One Word Picture Vocabulary Test (ROWPVT)

Authors	R. Bronwell
Publisher	Academic Therapy Publications
Date	2000
Cost	\$155
Age range	2 years – 18.11 years
Domain/Content	Vocabulary
Time to administer	10 – 15 minutes
Role of family	N/A
Items passed by	Child points to object being named until 6 out of 8 items are missed
Results	Language age scores, language standard scores, percentile ranks
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of graduate training in test & measurement
Validity	.23-.41
Reliability	.90
Sensitivity	
Specificity	
Comments	Spanish materials

The Rosetti Infant-Toddler Language Scale

Authors	Louis Rossetti
Publisher	LinguiSystems
Date	2006
Cost	\$109.95
Age range	Birth – 3 years
Domain/Content	Preverbal & verbal areas: interaction-attachment, pragmatics, gesture, play, language comprehension, language expression
Time to administer	45 minutes
Role of family	Parent questionnaire component
Items passed by	Pass/fail; direct observation/elicited behavior/caregiver report
Results	Strengths and weaknesses' global baseline & ceiling age level
Type of instrument	Non-standardized
Qualifications to administer	
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Available in Spanish

Sequenced Inventory of Communication Development (SICD)

Authors	Dona Lea Hendrick, Elizabeth Prather, Annette Tobin
Publisher	Western Psychological Services
Date	1984
Cost	\$435
Age range	4 months – 4 years
Domain/Content	Communication
Time to administer	Varies
Role of family	N/A
Items passed by	Individual administration of test items
Results	3 receptive communication measures: awareness, discrimination & understanding 4 expressive measures: imitating, initiating, responding & verbal output
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in test & measurement with relevant experience in SLP
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Spanish Articulation Measures (SAM)

Authors	Larry J. Mattes
Publisher	Academic Communication Associates, Inc.
Date	2008
Cost	\$75
Age range	3 and up
Domain/Content	Spontaneous word production, word repetition articulation screening, sound stimulability in syllables, articulation in conversational speech
Time to administer	
Role of family	N/A
Items passed by	Child labels pictures or makes up sentences describing pictures
Results	Identifies specific problems affecting speech production in Spanish
Type of instrument	Criterion-referenced
Qualifications to administer	Speech & language Pathologist or teachers & paras trained to administer
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	Should be used in conjunction with data obtained from other assessment instruments & conversational speech samples

Spanish Language Assessment Test (SLAP)

Authors	Larry J. Mattes
Publisher	Western Psychological Services
Date	1995
Cost	\$90
Age range	3 and 9
Domain/Content	Communication
Time to administer	
Role of family	Parent interview
Items passed by	Individual, direct administration of structured tasks with target child is required. Observation, and interview with people who have frequent opportunities to observe the child in natural speaking contexts
Results	
Type of instrument	Criterion-referenced
Qualifications to administer	Fluent speakers of the Spanish language, under the guidance of a speech-language pathologist
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	articulation screening instrument is also included available in English and Spanish

Structured Photographic Articulations Test (SPAT-D)

Authors	Janet Dawson, PhD, Pat Tattersall, MA
Publisher	Pro-Ed
Date	2001
Cost	\$277
Age range	3-9 years
Domain/Content	Articulation
Time to administer	10-15 minutes
Role of family	N/A
Items passed by	Color photographs are presented for children to name
Results	Standard scores, confidence intervals, percentile ranks, percentile bands, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Speech & Language Pathologists
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Structured Photographic Expressive Language Test (SPELT-P)

Authors	Janet Dawson, PhD, Pat Tattersall, MA, Connie Stout, PhD, Julia Eyer, PhD, Jan Fonkalsrud, MA, Karen Croley, MS
Publisher	Pearson
Date	2004
Cost	\$165
Age range	3 – 5.11 years
Domain/Content	Morphological & syntactic structures
Time to administer	15-20 minutes
Role of family	N/A
Items passed by	Color photographs are presented to elicit language from the child
Results	Standard scores, confidence intervals, percentile ranks, percentile bands, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Available in Spanish

Stuttering Severity Instrument

Authors	Glyndon Riley
Publisher	Pearson
Date	1994
Cost	\$114
Age range	2 years through adult
Domain/Content	Stuttering
Time to administer	Varies
Role of family	N/A
Items passed by	Pictures are presented to elicit language
Results	Frequency, duration, physical concomitants, severity conversation tables
Type of instrument	Standardized/criterion-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Test of Auditory Comprehension of Language (TACL)

Authors	E. Carrow-Woolfolk
Publisher	Pearson
Date	1999
Cost	\$285
Age range	3 – 9.11 years
Domain/Content	Auditory comprehension; vocabulary, grammatical morphemes, elaborated phrase & sentences
Time to administer	10-20 minutes
Role of family	N/A
Items passed by	Individually administered items
Results	Percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of graduate training in tests and measurement with relevant experience
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Quick & easy to score

Test of Auditory Processing (TAP)

Authors	Nancy Martin and Rick Bronwell
Publisher	Pearson
Date	2008?
Cost	\$145
Age range	3 – 9.11 years
Domain/Content	Auditory comprehension; vocabulary, grammatical morphemes, elaborated phrase & sentences
Time to administer	10-20 minutes
Role of family	N/A
Items passed by	Individually administered items
Results	Percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Test of Language Development (TOLD)

Authors	Donald Hammill, Phyllis Newcomer
Publisher	Pearson
Date	2005
Cost	\$299
Age range	4 - 8.11 years
Domain/Content	Spoken language; picture & oral vocabulary, grammatic understanding, sentence imitation, grammatic completion, word discrimination, word articulation
Time to administer	50-65 minutes
Role of family	N/A
Items passed by	Individually administered oral-responses
Results	Standard scores, percentile ranks age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	.13 - .47
Reliability	Above .80
Sensitivity	
Specificity	
Comments	

Social - Emotional Development

Adaptive Behavior Assessment System (ABAS)

Authors	Patti Harrison, Thomas Oakland
Publisher	Harcourt Assessment
Date	2003
Cost	\$547.25
Age range	0 – 89
Domain/Content	Conceptual reasoning, social interactions, practical functioning
Time to administer	15 – 20 minutes
Role of family	Parent report portion
Items passed by	Checklist
Results	Composite scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in clinical psychology & assessment
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Linked to the Wechsler Uses information from multiple sources that include parent, teacher, caregiver

Behavioral Assessment System for Children (BASC)

Authors	C.R. Reynolds & R.W. Kaufman
Publisher	American Guidance Service, Inc. (AGS)
Date	1992
Cost	\$565
Age range	2 years 6 months through 5 years
Domain/Content	Aggression, hyperactivity, conduct problems, anxiety, depression, attention problems, learning problems, atypicality, withdrawal, adaptability, leadership, social skills, study skills, externalizing problems, internalizing problems, school problems, adaptive skills, behavioral symptoms
Time to administer	10-20 minutes
Role of family	Parent completes questionnaire or is interviewed
Items passed by	Parent & teacher report
Results	T scores and percentiles
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Psychologist
Validity	Acceptable
Reliability (depending on age)	Internal of teacher report scales = .71 - .95 Internal of parent report scales = .59 - .94 Test-retest of teacher report scales = .58 - .95 Test-retest of parent report scales = .61 - .92 Inter-rater of teacher ratings = .27 - .94 Inter-rater of parent ratings = .30 - .78
Sensitivity	
Specificity	
Comments	Authors suggest that the respondents should have at least one month of daily contact with the child they are evaluating. This is a highly clinical and diagnostic tool. Available in Spanish

Coping Inventory

Authors	Dr. Shirley Zeitlin
Publisher	
Date	
Cost	
Age range	3-16 years
Domain/Content	Coping behavior (self and environment)
Time to administer	
Role of family	
Items passed by	
Results	Coping styles: Productive, Active, Rigid
Type of instrument	
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Early Coping Inventory

Authors	Dr. Shirley Zeitlin, G. G. Williamson, and M. Szczepanski
Publisher	Scholastic Testing Service
Date	1988
Cost	\$58.20
Age range	4 – 36 months
Domain/Content	Coping behavior: sensorimotor organization, reactive behaviors, self- initiated behaviors
Time to administer	~ 60 minutes
Role of family	Observations by caregiver
Items passed by	Observation
Results	Coping styles: Productive, Active, Rigid and strengths & weaknesses
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Results should be interpreted by Professional or trained paraprofessional
Validity	Moderate
Reliability	Moderate
Sensitivity	
Specificity	
Comments	

Infant-Toddler Social Emotional Assessment (ITSEA)

Authors	A. Carter and M. Briggs-Gowan
Publisher	Pearson
Date	2005
Cost	\$99
Age range	1-3 years
Domain/Content	Externalizing, internalizing, dysregulation, competence
Time to administer	25 – 30 minutes
Role of family	Parent completes or is interviewed
Items passed by	Questionnaire
Results	Problem total score and competence total score
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in psychology with course work in development & assessment
Validity	
Reliability	Internal = .59-.90 Test-retest = .69-.91 Inter-rater = .35-.79
Sensitivity	
Specificity	
Comments	Available in Spanish, French, Hebrew, Dutch, Chinese, Italian, German, Thai, & Russian

Preschool and Kindergarten Behavior Scales (PKBS)

Authors	Kenneth Merrell
Publisher	PRO ED
Date	2003
Cost	\$114
Age range	3 – 6 years
Domain/Content	Social skills and problem behavior
Time to administer	8 – 12 minutes
Role of family	Parent can complete
Items passed by	Checklist
Results	Rated as occurring "never," "rarely," "sometimes," or "often"
Type of instrument	Standardized/norm-referenced
Qualifications to administer	None
Validity	Acceptable
Reliability	Internal = .96-.97 Test-retest = .62-.87 Inter-rater = .36-.63
Sensitivity	N/A
Specificity	N/A
Comments	Easy to use, very practical, and based on a solid foundation of research.

Social Competence Behavior Evaluation (SCBE)

Authors	Peter LaFreniere, Jean Dumas
Publisher	Western Psychological Services
Date	1995
Cost	\$92.50
Age range	2.5 – 6 years
Domain/Content	Social competence, affective expression, adjustment
Time to administer	15 minutes
Role of family	Teacher/caregiver observation
Items passed by	Teacher observation and rating scale
Results	Describes child's adaptation to and functioning within preschool classroom
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree
Validity	Not reported
Reliability	Not reported
Sensitivity	Not reported
Specificity	Not reported
Comments	Available in Spanish

Temperament and Atypical Behavior Scale (TABS)

Authors	John Neisworth, Stephen Bagnato, John Salvia, Frances Hunt
Publisher	Brookes Publishing Co.
Date	1999
Cost	\$95
Age range	11-71 months
Domain/Content	Temperament & behavior
Time to administer	15 minutes
Role of family	Parent questionnaire
Items passed by	Yes/no
Results	Temperament & regulatory index, percentile ranks, standard scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	None
Validity	Acceptably high to strong
Reliability	Acceptably high to strong
Sensitivity	
Specificity	
Comments	There is also a screening component of the TABS

Vineland Social-Emotional Early Childhood Scales (SEEC)

Authors	S. Sparrow, D. Balla, D. Cicchetti
Publisher	American Guidance Services, Inc
Date	2005
Cost	\$88
Age range	Birth – 5.11 years
Domain/Content	Social emotional; interpersonal relationships, play & leisure time, coping skills
Time to administer	15-25 minutes
Role of family	Parent interview
Items passed by	Parent report
Results	Percentiles, age-equivalents and relative strengths & weaknesses
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completion of graduate training in tests & measurement with relevant experience
Validity	.51-.65
Reliability	Internal = .72-.97 Test-retest = .54-.77 Inter-rater = .47-.60
Sensitivity	
Specificity	
Comments	Spanish materials

Motor Development Assessments

Alberta Infant Motor Scales

Authors	Martha Piper, PT, PhD, & Johanna Darrah
Publisher	Psychological Corporation
Date	
Cost	\$41.95
Age range	Birth to independent walking
Domain/Content	Gross motor
Time to administer	15 minutes
Role of family	N/A
Items passed by	Observation
Results	
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Bayley Scales of Infant and Toddler Development Motor Scales

Authors	Nancy Bayley
Publisher	Pearson
Date	2005
Cost	\$299
Age range	1-42 months
Domain/Content	Gross and fine motor
Time to administer	10-20 minutes
Role of family	N/A
Items passed by	Individually administered test items
Results	Standard scores, age equivalency, percentiles, cut-off scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	

Peabody Developmental Motor Scales (PDMS)

Authors	M. Rhonda Folio, Rebecca R. Fewell
Publisher	Pearson
Date	2000
Cost	\$425
Age range	Birth through 5 years
Domain/Content	Gross and fine motor
Time to administer	45 – 60 minutes
Role of family	N/A
Items passed by	Individually administered test items
Results	Percentile ranks, standard scores, age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate training in tests and measurement, with training in the assessment of motor function
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Specific adaptations are provided for children with visual, auditory, and /or multiple disabilities

Test of Gross Motor Development (TGMD)

Authors	Dale Ulrich
Publisher	Pearson
Date	2001
Cost	\$120
Age range	3 - 10.11 years
Domain/Content	Gross motor
Time to administer	15 – 20 minutes
Role of family	N/A
Items passed by	Individually administered items
Results	Standard scores, percentile ranks, age equivalents
Type of instrument	Standardized/norm-referenced & criterion-referenced
Qualifications to administer	Completion of graduate training in tests & measurement with relevant experience
Validity	Data supports the use of the TGMD-2 in identifying children who are significantly behind their peers in gross motor development are also provided.
Reliability	.84 - .96
Sensitivity	
Specificity	
Comments	

Sensory Assessments

Infant/Toddler Sensory Profile

Authors	Winnie Dunn, PhD, OTR, FAOTA & Catanna Brown
Publisher	Pearson
Date	2002
Cost	\$316
Age range	Birth – 36 months
Domain/Content	Sensory processing abilities (general, auditory, visual, tactile, vestibular, oral sensory)
Time to administer	15 minutes
Role of family	Parent completes questionnaire
Items passed by	Almost always, Frequently, Occasionally, Seldom, Almost Never
Results	Quadrant scores - sensation seeking, sensation avoiding, sensory sensitivity and low registration
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Judgement-based caregiver questionnaire. When combined with other evaluations, observations, & reports can provide another perspective on the child's strengths & challenges.

Infant/Toddler Symptom List

Authors	Georgia De Gangi, Susan Poisson, Ruth Sickel, Andrea Santman
Publisher	Therapy Skill Builder
Date	1995
Cost	\$63
Age range	Birth – 36 months
Domain/Content	Regulatory disorders or sensory issues
Time to administer	10 minutes
Role of family	Parent report
Items passed by	"Never or sometimes", "most times", "past"
Results	The total checklist score is compared to the cutoff score for normal functioning infants and toddlers in the child's age group: Typical Performance, Probable Difference, Definite Difference, Consult and Follow-up
Type of instrument	Standardized/criterion-referenced
Qualifications to administer	Special training is not required for administering the instrument; however, an understanding of the domains is critical for an accurate interpretation of findings.
Validity	Less than .50
Reliability	Internal = .17-.86 Test-retest = .74-.86
Sensitivity	N/A
Specificity	N/A
Comments	Easy to administer, score, and interpret and is applicable for children with all types of disabilities and severity levels. Supports a family-centered care philosophy.

Sensory Profile

Authors	Winnie Dunn, PhD, OTR, FAOTA
Publisher	Pearson
Age range	3 – 10 years
Date	1999
Cost	\$169
Domain/Content	Responses to sensory events in everyday life
Time to administer	30 minutes
Role of family	Parent questionnaire
Items passed by	Likert scale (nearly never, seldom, occasionally, frequently, almost always)
Results	Scores calculated from a factor structure which reflects the child's responsiveness to sensory input across sensory systems
Type of instrument	Standardized/criterion-referenced
Qualifications to administer	None
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Available in Spanish

Autism Assessments

Autism Diagnostic Interview (ADI)

Authors	Michael Rutter, MD, FRS, Ann LeCouteur, MBBS, Catherine Lord, PhD
Publisher	Western Psychological Services
Date	2003
Cost	\$192.50
Age range	2 years and older
Domain/Content	Communication, social interaction, repetitive behaviors, age-of-onset symptoms
Time to administer	1.5 – 2.5 hours
Role of family	Parent interview
Items passed by	93 items asked of primary care giver
Results	Diagnostic Algorithm, Current Behavior Algorithm (categorical results rather than scales or norms)
Type of instrument	Standardized, semi-structured interview – Clinical diagnostic instrument
Qualifications to administer	Substantial training in administration and scoring
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Very effective in differentiating autism from other developmental disorders

Autism Diagnostic Observation System (ADOS)

Authors	Catherine Lord, PhD, Michael Rutter, MD, FRS, Pamela DiLavore, PhD, Susan Risi, PhD
Publisher	Western Psychological Services
Date	
Cost	\$1480
Age range	2 years and older
Domain/Content	Reciprocal social interaction, communication/language, stereotyped/restricted behaviors, mood and non-specific abnormal behaviors
Time to administer	35- 40 minutes per module
Role of family	Parent interview
Items passed by	Semi-structured assessment and observation
Results	Cut off scores for autism and the broader diagnosis of PDD
Type of instrument	Standardized diagnostic measure
Qualifications to administer	Must complete a 2 day training session
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Requires training

Autism Screening Instrument for Educational Planning (ASIEP)

Authors	David Krug, PhD, Joel Arick, PhD, Patricia Almond, PhD
Publisher	Western Psychological Services
Date	2008
Cost	\$285
Age range	18 months - adult
Domain/Content	Sensory, relating, body concept, language, and social self-help
Time to administer	Varies
Role of family	N/A
Items passed by	Checklist, sample vocal behavior, interaction, educational assessment
Results	Standard scores & percentile ranks
Type of instrument	Standardized/curriculum-based/criterion referenced
Qualifications to administer	Familiarity with autism and with the child being assessed
Validity	
Reliability	
Sensitivity	
Specificity	
Comments	Emphasis on an interactive approach to development, behavior and contexts

Gilliam Asperger's Disorder Rating Scale (GADS)

Authors	James E. Gilliam
Publisher	Pearson
Date	1995
Cost	\$104
Age range	3 – 22 years
Domain/Content	Social interaction, restricted patterns of behavior, cognitive patterns, pragmatic skills
Time to administer	5 – 10 minutes
Role of family	Can be completed by the parent
Items passed by	Answering 32 clearly stated items describing behaviors
Results	Standard scores & percentiles
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Master's degree or equivalent training
Validity	High; strong validity of definitions of Asperger's
Reliability	High
Sensitivity	
Specificity	
Comments	Includes questionnaire about child's development birth - 3

Gilliam Autism Rating Scale (GARS)

Authors	James E. Gilliam
Publisher	Pearson
Date	1995
Cost	\$136
Age range	3 – 22 years
Domain/Content	Stereotyped behaviors, communication, social interaction
Time to administer	5 – 10 minutes
Role of family	Structured parent interview
Items passed by	42 clearly stated items describing the characteristic behaviors of persons with autism
Results	Autism index, standard scores, percentiles
Type of instrument	Standardized/norm-referenced
Qualifications to administer	None
Validity	Strong
Reliability	.80s & .90s
Sensitivity	
Specificity	
Comments	<p>Items on the GARS-2 are based on the definitions of autism adopted by the Autism Society of America and the <i>Diagnostic and Statistical Manual of Mental Disorders: Fourth Edition-Text Revision</i></p> <p>A separate booklet, <i>Instructional Objectives for Children Who Have Autism</i>, is included in the test kit</p>

Language/Cognition Assessments

Bilingual Language Proficiency Questionnaire

Authors	L.J. Matters, G. Santiago, L. Nguyen
Publisher	Academic Communications Associates, Inc.
Date	1996
Cost	\$16.95
Age range	0-8 years
Domain/Content	Speech and language
Time to administer	Varies
Role of family	Parent interview
Items passed by	Question and answer
Results	Identifies the situations in which a child uses each language, how often these situations occur, the ability of a child to make himself understood among his peers, his ability to give and understand instructions, and any specific speech problems his parents may have noticed.
Type of instrument	Unstandardized open-ended interview
Qualifications to administer	SLPs, bilingual educators and other educational professionals who are fluent speakers of Spanish or Vietnamese
Validity	N/A
Reliability	N/A
Sensitivity	N/A
Specificity	N/A
Comments	For children who speak Spanish or Vietnamese Should not be viewed as the sole basis for making placement decisions, but as a tool for eliciting background information about a child's language environment. Can help educators re-interpret scores on standardized tests when low achievement may be due to limited language exposure rather than limited ability.

Braken Basic Concept Scale – Expressive (BBCS: E)

Authors	Bruce Bracken
Publisher	Pearson
Date	2006
Cost	\$219
Age range	3 – 6.11 years
Domain/Content	Expressive language concepts
Time to administer	30 - 40 minutes
Role of family	N/A
Items passed by	Short verbal responses
Results	Total composite scores, percentile ranks, concept age equivalents, and descriptive classification
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Does not require an individual to have advanced training in assessment and interpretation
Validity	
Reliability	Good
Sensitivity	
Specificity	
Comments	Available in Spanish Intended to be used in conjunction with BBCS:R

Braken Basic Concept Scale – Receptive (BBCS-3: R)

Authors	Bruce Bracken
Publisher	Pearson
Date	2006
Cost	\$319
Age range	3 – 6.11 years
Domain/Content	Receptive language concepts
Time to administer	30 - 45 minutes
Role of family	N/A
Items passed by	Pointing responses
Results	Total composite scores, percentile ranks, concept age equivalents, and descriptive classification
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Does not require an individual to have advanced training in assessment and interpretation
Validity	
Reliability	Good
Sensitivity	
Specificity	
Comments	Available in Spanish Intended to be used in conjunction with BBCS:E

Differential Ability Scales (DAS)

Authors	Colin Elliot
Publisher	Psychological Corporation
Date	2007
Cost	\$1,120
Age range	2.6 years – 17.11 years
Domain/Content	Cognition and achievement
Time to administer	25-65 minutes
Role of family	N/A
Items passed by	Individually administered items
Results	Percentiles and standard scores
Type of instrument	Standardized/norm-referenced
Qualifications to administer	
Validity	.90
Reliability	.88 - .95 (preschool reliability is at the lower end)
Sensitivity	
Specificity	
Comments	Excellent predictor of academic achievement

Early Stanford Binet Intelligence Scales

Authors	Gale Roid
Publisher	Riverside Publishing
Date	2003
Cost	\$585
Age range	2 – 7.3 years
Domain/Content	Intelligence and cognition
Time to administer	30 – 50 minutes for full battery 15 -20 minutes for abbreviated battery
Role of family	Includes a parent report
Items passed by	several subtests
Results	Full scale IQ, verbal IQ, and nonverbal IQ
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Trained professional, preferably a psychologist.
Validity	.90 to .92
Reliability	.95 to .98
Sensitivity	
Specificity	
Comments	Useful in assessing LEP/ELL, deaf/hard of hearing populations and children with autism. Examiners should be cautious in using the test to screen very young children for developmental delays or disabilities. The test cannot be used to diagnose mental retardation in children aged three and under, and the scoring design may not detect developmental problems in preschool-age children.

Kaufman Survey of Early Academic and Language Skills (K-SEALS)

Authors	Alan Kaufman, PhD & Nadeen Kaufman, EdD
Publisher	Pearson
Date	1993
Cost	\$270
Age range	3 – 7 years
Domain/Content	Vocabulary, numbers, letters, words, articulation
Time to administer	15 – 25 minutes
Role of family	N/A
Items passed by	Individually administered items – pointing or naming
Results	Standard scores, percentiles, age equivalency
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Completed a bachelor's degree program that included coursework in measurement and test administration and interpretation
Validity	Refer to manual
Reliability	.81-.94
Sensitivity	
Specificity	
Comments	

Reynolds Intellectual Assessment Scale (RIAS)

Authors	Cecil Reynolds, PhD, and Randy Kamphaus, PhD
Publisher	Western Psychological Services
Date	2003
Cost	\$408
Age range	3 – 94 years
Domain/Content	Verbal and nonverbal intelligence
Time to administer	20 – 25 minutes
Role of family	N/A
Items passed by	individually administered test items
Results	<i>T</i> scores, <i>Z</i> scores, normal curve equivalents (NCE), stanines and age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Restricted to those qualified to conduct psychological testing.
Validity	Refer to manual
Reliability	Relatively high
Sensitivity	
Specificity	
Comments	Rapid, valid, comprehensive, and cost-effective assessment of intelligence and memory

Slosson Intelligence Test

Authors	Richard L. Slosson, Charles L. Nicholson (revision), and Terry H. Hibpshman (revision).
Publisher	Western Psychological Services
Date	1998
Cost	\$165
Age range	4 and older
Domain/Content	General verbal cognitive ability
Time to administer	1 – 20 minutes
Role of family	N/A
Items passed by	Question & answer format
Results	Total score only
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Graduate degree in psychology, education or a related field, and a course in testing and measurement
Validity	Significant correlation with the WISC-R
Reliability	.88 to .97
Sensitivity	
Specificity	
Comments	Suitable for screening purposes. Excellent alternative to longer, more time-consuming intelligence tests.

Wechsler Preschool and Primary Scale of Intelligence (WPPSI)

Authors	David Wechsler
Publisher	pearson
Date	2002
Cost	\$950
Age range	2.6 – 7.3 years
Domain/Content	Verbal and performance intelligence
Time to administer	Ages 2.6-3.11: 30-45 minutes Ages 4.0-7.3: 45-60 minutes
Role of family	N/A
Items passed by	14 subtests
Results	Verbal and performance IQ an full IQ
Type of instrument	Standardized/norm-referenced
Qualifications to administer	3 – 4 hours of training
Validity	Adequate
Reliability	.90 to .97
Sensitivity	
Specificity	
Comments	

Young Children's Achievement Test (YCAT)

Authors	Wayne Hresko, PhD, Pamela Peak, PhD, Shelley Herron, PhD, & Deanna Bridges
Publisher	Western Psychological Services
Date	
Cost	\$240
Age range	4 – 7.11 years
Domain/Content	General information, mathematics, reading, writing,
Time to administer	25 -45 minutes
Role of family	N/A
Items passed by	Individual items
Results	Standard scores, percentiles, and age equivalents
Type of instrument	Standardized/norm-referenced
Qualifications to administer	Restricted to those qualified to conduct psychological testing.
Validity	High
Reliability	High
Sensitivity	
Specificity	
Comments	