

Description of Validated Standardized Infant Assessments

Measure	Description	Validated	Rough Domain					Timeline of Administration								
			Family environment	Child Dev: Physical/Motor	Child Dev: Cognitive	Child Dev: Language	Child Dev: Behavioral	Pregnancy cohort			Infant Follow-Up Cohort					
								2	3	6	9	12	18	24	36	48
Screeners/Assessments about the Child (Conducted by ZEN Study Staff)																
<p>Ages and Stages III</p> <p><i>In Spanish</i> Time: 10 – 15 minutes</p>	<p>Parent-reported screening questionnaire used to determine developmental milestones achieved and identify children at risk for developmental delay. <u>Domains include:</u> Communication, Gross Motor, Fine Motor, Problem Solving, and Personal-Social.</p> <p>Could be used to compare proportion of children ‘at-risk’ for delays across domains or the developmental age that children are performing at for milestones.</p>	Validated 1-66 months		X	X	X	X	X	--	X	--	X	--	X	X	X
<p>Bayley Scales of Infant & Toddler Dev. III</p> <p><i>In Spanish</i> Time: 20-30 minutes</p>	<p>Direct, manipulation-based assessment and parent-report measures of early childhood development across broad domains. <u>Direct assessment, manipulative-based domains:</u> cognitive, physical/motor, and language. <u>Parent-report domains include:</u> social-emotional (two questionnaires; including adaptive behavior).</p> <p>Can be used to compare children’s development across domains and chart</p>	Validated 1 to 42 months		X	X	X	X	--	--	--	--	X	X	X	X	--

	child’s developmental change across all domains over time.																	
Strengths and Difficulties Questionnaire <i>In Spanish</i> <i>Time: 5 minutes</i>	Parent-reported “symptom” measure of children’s emotional and behavior problems, with good ability to discriminate between psychiatric and non-psychiatric populations. <u>Report of</u> emotional problems, conduct problems, hyperactivity, peer problems, and prosocial behaviors. Can be used to compare children’s emotional and behavioral problem behaviors across multiple domains of psychosocial adjustment and a child’s problem behavior over time. Provides cutoff scores to indicate clinically relevant problem behavior.	Validated from 2 years – 17 years of age						X	--	--	--	--	--	--	--	X	X	X
Peabody Developmental Motor Scales II <i>Not in Spanish from developer, but only needs translated instructions</i> <i>Time: 30 minutes</i>	In-depth direct, manipulation/play-based assessment of motor skills. The Peabody captures more subtypes of children’s motor development than the Bayley, and would provide a more “full phenotype” developmental assessment in the area of early childhood physical and motor development. Can be used to compare children’s development across full domain of physical/motor. Provides “age equivalent” scores and percentile ranks.	Validated 1 month – 60 months														X	--	--

Assessments or Information about the Mother/Parent (Family Environment)

			Family	Physical/Motor	Cognitive	Language	Psychosocial	2	3	6	9	12	18	24	36	48
Parenting Stress Index SF-IV <i>In Spanish</i> <i>Time: 10 minutes</i>	Self-report of stress related to parenting across three domains: parental distress (characteristics of parent), parent-child dysfunctional interaction (characteristics of the parent-child relationship), and difficult child (characteristics of child). Can be used to compare raw scores of parenting stress; there are also studies that provide “clinical cutoffs” for what constitutes clinically stressful parenting that can be used for only research purposes (not for referral).	Validated for adults of children aged 0-12	X					--	--	X*	X	X	X	X	X	X
Centers for Epi Studies – Depression Scale (10 item) <i>In Spanish</i> <i>Time: 5 minutes</i>	Self-report of adult depressive symptoms in the past week. Can be used to compare raw parental depressive scores across parents and proportions of parents that meet the “clinical cutoff” (considered depressed).	Validated for adults	X					--	--	X*	X	X	X	X	X	X
Test of Nonverbal Intelligence (TONI-4) <i>In Spanish</i> <i>Time: 15-20 minutes</i>	Direct, manipulation-based assessment of adult intelligence, aptitude, abstract reasoning, and problem solving. This assessment is language free, and is ideal for those with limited language ability and diverse backgrounds.	Validated for adults	X					--	--	--	X	--	--	--	--	--

*Will be conducted for the infant follow-up cohort ONLY. Can be conducted at the end of the 6 month infant follow-up visit, after pregnancy cohort activities for that visit were completed and the consent signed.

Measure	Person Involved	Estimated Burden (minutes)	Timeline of Administration								
			Pregnancy cohort			Infant Follow-Up Cohort					
			2	3	6	9	12	18	24	36	48
Parent-child questionnaire	Parent	20	--	--	X ^b	X	X	X	X	X	X
Ages and Stages III	Parent (engage with child)	10 - 15	X	--	X	--	X	--	X	X	X
Bayley Scales of Infant & Toddler Dev.	Child + Parent	20 - 30	--	--	--	--	X	X	X	X	--
Strengths & Difficulties Questionnaire	Parent	5	--	--	--	--	--	--	X	X	X
Peabody Developmental Motor Scales	Child ^a	30	--	--	--	--	--	--	X	--	--
Parenting Stress Index IV	Parent	10	--	--	X ^b	X	X	X	X	X	X
Centers for Epi Studies - Depression Scale (10 item)	Parent	5	--	--	X ^b	X	X	X	X	X	X
Test of Nonverbal Intelligence	Parent	15 - 20	--	--	--	X	--	--	--	--	--

Summary of Child Development + Family Assessments (including Parent-Child Questionnaire)