

## 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
<b>Screeners/Assessments about the Child (Conducted by ZEN Study Staff)</b>																
<p>Ages and Stages III</p> <p><i>In Spanish</i> Time: 10 – 15 minutes</p>	<p><b>Parent-reported screening</b> 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 &amp; Toddler Dev. III</p> <p><i>In Spanish</i> Time: 20-30 minutes</p>	<p><b>Direct, manipulation-based assessment</b> and <b>parent-report measures</b> 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	--



			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>	<b>Self-report</b> 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 <b>only</b> 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>	<b>Self-report</b> 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>	<b>Direct, manipulation-based assessment</b> 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 <sup>b</sup>	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 <sup>a</sup>	30	--	--	--	--	--	--	X	--	--
Parenting Stress Index IV	Parent	10	--	--	X <sup>b</sup>	X	X	X	X	X	X
Centers for Epi Studies - Depression Scale (10 item)	Parent	5	--	--	X <sup>b</sup>	X	X	X	X	X	X
Test of Nonverbal Intelligence	Parent	15 - 20	--	--	--	X	--	--	--	--	--

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