## Description of Validated Standardized Infant Assessments

Measure	Description	Validated		Rou	gh Do	main				Tim	eline	of Adr	ninist	ration		
								Pregnancy cohort			Infant Follow-Up Cohort					
			Family anvironmant	Child Dev: Dhweiral /MAtor	Child Dev: Coanitiva	Child Dev: במכוומה ב		2	3	6	9	12	18	24	36	48
	Screeners/Assessmen	1	hild (C	Condu	cted b	y ZEN	Study	y Staf	f)							
Ages and Stages III In Spanish Time: 10 – 15 minutes	Parent-reported screening questionnaireused to determine developmentalmilestones achieved and identify childrenat risk for developmental delay. Domainsinclude: Communication, Gross Motor,Fine Motor, Problem Solving, andPersonal-Social.Could be used to compare proportion ofchildren 'at-risk' for delays across domainsor the developmental age that childrenare performing at for milestones.	Validated 1- 66 months		х	x	x	x	x		x		x		x	х	x
Bayley Scales of Infant & Toddler Dev. III In Spanish Time: 20-30 minutes	Direct, manipulation-based assessment and parent-report measures of early childhood development across broad domains. <u>Direct assessment</u> , <u>manipulative-based domains</u> : cognitive, physical/motor, and language. <u>Parent-</u> <u>report domains include</u> : social-emotional (two questionnaires; including adaptive behavior). Can be used to compare children's development across domains and chart	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 In Spanish Time: 5 minutes	Parent-reported "symptom" measure of children's emotional and behavior problems, with good ability to discriminate between psychiatric and non- psychiatric populations. Report of emotional problems, conduct problems, hyperactivity, peer problems, and prosocial behaviors.	Validated from 2 years – 17 years of age			X	 	 	 	X	x	x
	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.										
Peabody Developmental Motor Scales II Not in Spanish from developer, but only needs translated instructions	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.	Validated 1 month – 60 months	x			 	 	 	x		
Time: 30 minutes	Can be used to compare children's development across full domain of physical/motor. Provides "age equivalent" scores and percentile ranks.										

			Family	Physical/Motor	Cognitive	Language	Psychosocial	2	3	6	9	12	18	24	36	48
Parenting Stress Index SF-IV In Spanish Time: 10 minutes	<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 <u>only</u> research purposes (not for referral).	Validated for adults of children aged 0-12	x							X*	х	x	x	x	х	x
Centers for Epi Studies – Depression Scale (10 item) In Spanish Time: 5 minutes	<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							Х*	х	x	x	x	х	x
Test of Nonverbal Intelligence (TONI- 4) In Spanish Time: 15-20 minutes	<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						-	1	Х	Η	-	I		

\*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)			Tiı	meline	of Admi	inistrati	on							
			Preg	nancy co	ohort		Infa	nt Follo	Follow-Up Cohort							
			2	3	6	9	12	18	24	36	48					
Parent-child questionnaire	Parent	20			Xp	X	Х	Х	Х	Х	Х					
Ages and Stages III	Parent (engage with child)	10 - 15	Х		Х		Х		Х	X	Х					
Bayley Scales of Infant & Toddler Dev.	Child + Parent	20 - 30					Х	Х	Х	X						
Strengths & Difficulties Questionnaire	Parent	5							Х	X	Х					
Peabody Developmental Motor Scales	Child <sup>ª</sup>	30							Х							
Parenting Stress Index IV	Parent	10			Xp	X	Х	Х	Х	X	Х					
Centers for Epi Studies – Depression Scale (10 item)	Parent	5			Xp	x	х	х	Х	х	х					
Test of Nonverbal Intelligence	Parent	15 - 20				X										

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