## **Description of Validated Standardized Infant Assessments**

Measure	Description	Validated		Rou	gh Do	main				Tim	eline	of Adr	ninist	ration			
									egna	•		Infant	ant Follow-Up Cohor				
									coho	rt							
			Family and and	Child Dev:	Child Dev:	Child Dev:	Child Dev: Devrhoencial	2	3	6	9	12	18	24	36	48	
	Screeners/Assessmen		hild (C	ondu	cted b	y ZEN	Study	y Staf	f)								
Ages and Stages III	Parent-reported screening questionnaire used to determine developmental	Validated 1- 66 months															
	milestones achieved and identify children	00 1110111113															
In Spanish	at risk for developmental delay. <u>Domains</u>																
Time: 10 - 15	include: Communication, Gross Motor,																
minutes	Fine Motor, Problem Solving, and			Х	Х	Х	Х	Х		X		Х		Х	Х	Х	
	Personal-Social.																
	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.																
Bayley Scales of	Direct, manipulation-based assessment	Validated 1		Х	Х	Х	Х			Х	Х	Х	Х	Х	Х		
Infant & Toddler	and parent-report measures of early	to 42															
Dev. III &	childhood development across broad	months															
Ages and Stages SE	domains. Direct assessment,																
II	manipulative-based domains: cognitive,																
	physical/motor, and language. <u>Parent-</u> report domains include: social-emotional																
In Spanish	(two questionnaires; including adaptive																
Time: 20-30	behavior).																
minutes																	
	Can be used to compare children's																
	development across domains and chart																

	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	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						1	<b>X</b> *	x	Х	Х	Х	х	X
Centers for Epi Studies – Depression Scale (10 item) In Spanish Time: 5 minutes	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	х					1	1	X*	Х	х	Х	х	х	x
Test of Nonverbal Intelligence (TONI- 4)  In Spanish Time: 15-20 minutes	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	х					1	1				)	Κ		

<sup>\*</sup>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								
			Pregi	nancy co	ohort		Infa	nt Follo	w-Up Co		
			2	3	6	9	12	18	24	36	48
Parent-child questionnaire	Parent	20			Х	Х	Х	Х	Х	Х	Х
Ages and Stages III	Parent (engage with child)	10 - 15	Х		Х		Х		Х	Х	Х
Bayley Scales of Infant & Toddler Dev.	Child + Parent	20 - 30			Х	Х	Х	Х	Х	Х	
Strengths & Difficulties Questionnaire	Parent	5							Х	Х	Χ
Peabody Developmental Motor Scales	Child <sup>a</sup>	30							Х		
Parenting Stress Index IV	Parent	10	1		Х	Х	Х	Х	Х	Х	Χ
Centers for Epi Studies - Depression Scale (10 item)	Parent	5			Х	х	х	х	Х	х	Х
Test of Nonverbal Intelligence	Parent	15 - 20				Х					

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