Description of Validated Standardized Infant Assessments

| Measure | Description | Validated | | Rou | gh Do | main | | | Timeline of Administration | | | | | | | |
|--|---|--------------------------------|-----------------------|-------------------------------|-------------------------|-------------------------|----------------------------|---------------------|----------------------------|---|-------------------------|----|----|----|----|----|
| | | | | | | | | Pregnancy cohort | | | Infant Follow-Up Cohort | | | | | |
| | | | Family anvironmant | Child Dev: Dhweiral /MAtor | Child Dev: Coanitiva | Child Dev: במכוומה ב | Child Dev: Devrhaenrial | 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 | | х | х | x |
| Bayley Scales of Infant & Toddler Dev. III & Ages and Stages SE II 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 | X | x | |

| | child's developmental change across all | | | | | | | | | | |
|------------------|--|--------------|---|--|---|------|------|------|---|---|---|
| | domains over time. | | | | | | | | | | |
| Strengths and | Parent-reported "symptom" measure of | Validated | | | | | | | | | |
| Difficulties | children's emotional and behavior | from 2 | | | | | | | | | |
| Questionnaire | problems, with good ability to | years – 17 | | | | | | | | | |
| | discriminate between psychiatric and non- | years of age | | | | | | | | | |
| In Spanish | psychiatric populations. <u>Report of</u> | | | | | | | | | | |
| Time: 5 minutes | emotional problems, conduct problems, | | | | | | | | | | |
| | hyperactivity, peer problems, and | | | | | | | | | | |
| | prosocial behaviors. | | | | 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 | In-depth direct, manipulation/play-based | Validated 1 | | | | | | | | | |
| Developmental | assessment of motor skills. The Peabody | month – 60 | | | | | | | | | |
| Motor Scales II | captures more subtypes of children's | months | | | | | | | | | |
| | motor development than the Bayley, and | | | | | | | | | | |
| Not in Spanish | would provide a more "full phenotype" | | | | | | | | | | |
| from developer, | developmental assessment in the area of | | | | | | | | | | |
| but only needs | early childhood physical and motor | | X | | | | | | X | | |
| translated | development. | | | | | | | | | | |
| instructions | | | | | | | | | | | |
| Time 20 minutes | Can be used to compare children's | | | | | | | | | | |
| Time: 30 minutes | development across full domain of | | | | | | | | | | |
| | physical/motor. Provides "age equivalent" scores and percentile ranks. | | | | | | | | | | |
| | 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 <u>only</u> research purposes (not for referral). | Validated for adults of children aged 0-12 | x | | | | | | | Х* | x | x | x | x | x | 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 | x | | | | | | | X* | x | x | x | x | x | 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 | 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) | | | Tiı | meline | of Admi | inistrati | on | | | | | | | |
|---|----------------------------|----------------------------------|------|----------|-------|--------|---------|-----------|----|----|----|--|--|--|--|--|
| | | | Preg | nancy co | ohort | | Infa | nt Follo | | | | | | | | |
| | | | 2 | 3 | 6 | 9 | 12 | 18 | 24 | 36 | 48 | | | | | |
| Parent-child questionnaire | Parent | 20 | | | X | Х | Х | Х | Х | Х | Х | | | | | |
| Ages and Stages III | Parent (engage with child) | 10 - 15 | Х | | X | | Х | | Х | Х | Х | | | | | |
| Bayley Scales of Infant & Toddler Dev. | Child + Parent | 20 - 30 | | | X | X | X | Х | Х | X | | | | | | |
| Strengths & Difficulties Questionnaire | Parent | 5 | | | | | | | Х | X | Х | | | | | |
| Peabody Developmental Motor Scales | Child ^a | 30 | | | | | | | Х | | | | | | | |
| Parenting Stress Index IV | Parent | 10 | | | X | X | X | X | X | X | Х | | | | | |
| Centers for Epi Studies – Depression Scale (10 item) | Parent | 5 | | | x | x | x | х | х | х | х | | | | | |
| Test of Nonverbal Intelligence | Parent | 15 - 20 | | | | Х | | | | | | | | | | |

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