

ATTACHMENT 10
LIST OF ZODIAC MEASURES

Clinical and Developmental Evaluation Measures

Domain	Specific Measures/Instruments	Participants Assessed	Time Involved (per participant)
Growth	Length, weight, head circumference	All	5 minutes
Physical health	Anomalies, general pediatric examination	All	15 minutes
Neurologic	General, posture, movement, tone, reflexes: Hammersmith Infant Neurological Exam (HINE), and an evaluation of cerebral palsy	All	10 minutes
Neurologic	Brain anatomy: Computerized tomography	Referrals only: Children with microcephaly or significant delays (i.e. when clinically indicated) without available brain scans collected previously.	30 – 60 minutes
Vision	Visual acuity; evaluation of vision	All	50 minutes
Vision	Functional vision assessment	Referrals only: Children who score below cut-off for ASQ problem solving domain and/or the HINE visual response	20 minutes
Biological/blood	Blood sample for ZIKV, lead, anemia, thyroid stimulation hormone, thyroxine (either free T4 or both total T4 and estimated free T4), and kidney and liver function tests	All	10 minutes
Hearing	Audiologic Evaluation	Referrals only: Children who score below cut-off for the ASQ communication domain and/or the HINE auditory response	2 hours

Caregiver Report Measures

Domain Assessed	Specific Measures/Instruments	Participants Assessed	Time Involved (per participant)
Specific Health Information Collected Previously	Medical chart review for: Blood work (ZIKV, other infections pre- and postnatal infections), EEG (seizures), brain scan, hearing tests, vision tests, other identified health and developmental concerns	All	3 minutes for office staff to pull medical records
Demographic, other developmental, family functioning	Sleep, breastfeeding, immunizations, vision, financial impact on family: caregiver questionnaire	All	10 minutes
Neurologic	Seizures: screening test	All	5 - 10 minutes
Developmental	Communication, motor, personal/social: Ages and Stages Questionnaire (ASQ)	All	15 minutes
Developmental	Self-regulation, communication, autonomy, coping, relationships: Ages and Stages Questionnaire - Socioemotional (ASQ-SE)	All	15 minutes
Maternal health	Depression (need to consider referral if significant depression or suicidal thoughts are reported) PHQ-9	All	5 minutes
Family functioning	Caregiver stress: Parenting stress index	All	10 minutes