

APPENDIX 1 QUESTIONNAIRE

PRENATAL ORGANOPHOSPHATE PESTICIDE EXPOSURE AND NEURODEVELOPMENTAL OUTCOMES AT 6 MONTHS AMONG CHILDREN OF SMALLHOLDER HORTICULTURAL GROWERS

Section A. Identification Information

Variable	Response/Measurement
Participant ID	_____
District	_____
Village	_____
Health Facility	_____
Date of Interview	_____
Interviewer ID	_____

Section B. Maternal Sociodemographic Characteristics

Variable	Response/Measurement
Maternal age (years)	_____
Marital status	_____
Highest education level	_____
Occupation	_____
Household monthly income	_____
Household size	_____
Socioeconomic status (asset index)	_____

Section C. Reproductive and Pregnancy History

Variable	Response/Measurement
Gravidity	_____
Parity	_____
First pregnancy (Yes/No)	_____
Number of ANC visits	_____
Gestational age at first ANC visit	_____
Pregnancy planned (Yes/No)	_____
Pregnancy complications	_____

Section D. Maternal Agricultural Activities During Pregnancy

Variable	Response/Measurement
Worked in horticulture during pregnancy	_____
Applied pesticides	_____
Mixed pesticides	_____
Washed spraying equipment	_____
Washed contaminated clothing	_____
Entered sprayed fields within 24 hours	_____
Stored pesticides at home	_____
Lived within 100 m of sprayed fields	_____

Years in horticultural farming	_____
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Section E. Pesticide Safety Practices

Variable	Response/Measurement
Used gloves	_____
Used mask	_____
Used boots	_____
Used long-sleeved clothing	_____
Washed hands after spraying	_____
Showered after spraying	_____
Read pesticide labels	_____

Section F. Maternal Lifestyle Factors

Variable	Response/Measurement
Alcohol use during pregnancy	_____
Cigarette smoking	_____
Second-hand smoke exposure	_____
Medication during pregnancy	_____
Geophagia (soil eating)	_____

Section G. Maternal Clinical Characteristics

Variable	Response/Measurement
Height (cm)	_____
Weight (kg)	_____
BMI	_____
BMI category	_____
Hemoglobin (g/dL)	_____
Anaemia	_____
Malaria during pregnancy	_____
Other chronic illness	_____

Section H. Delivery Characteristics

Variable	Response/Measurement
Place of delivery	_____
Mode of delivery	_____
Gestational age at delivery	_____
Full-term birth	_____
Birth complications	_____

Section I. Child Characteristics

Variable	Response/Measurement
Child ID	_____
Sex	_____
Date of birth	_____
Age at assessment (months)	_____
Birth weight (kg)	_____

Birth length (cm)	_____
Head circumference (cm)	_____
APGAR score (1 minute)	_____
APGAR score (5 minutes)	_____
Congenital anomalies	_____

Section J. Infant Feeding Practices

Variable	Response/Measurement
Exclusive breastfeeding for first 6 months	_____
Currently breastfeeding	_____
Age complementary feeding introduced	_____

Section K. Child Health Since Birth

Variable	Response/Measurement
History of diarrhoea	_____
History of pneumonia	_____
History of malaria	_____
History of fever	_____
Hospital admission	_____

Section L. Child Anthropometry at 6 Months

Variable	Response/Measurement
Weight (kg)	_____
Length (cm)	_____
MUAC (cm)	_____
Weight-for-age Z-score	_____
Length-for-age Z-score	_____
Weight-for-length Z-score	_____

Section M. Household Environmental Characteristics

Variable	Response/Measurement
Main drinking water source	_____
Sanitation facility	_____
Main cooking fuel	_____
Household insecticide use	_____
Distance from home to farm	_____

Section N. Study Measurements (Research Team Only)

Variable	Response/Measurement
Maternal AChE activity (U/g Hb)	_____
Exposure category (Normal/Moderate/High)	_____
MDAT Gross Motor	_____
MDAT Fine Motor	_____
MDAT Language	_____
MDAT Social	_____

Composite MDAT score	
Neurodevelopment classification	