Surveillance, Recruitment, Pre-Screening, Screening, and Enrollment Process

			STEP 1: RECRUITMEN	NT	
Pregnancy	Conduct routine su	rveillance via health an	d demographic surveill	ance systems (HDSS) or fac	ility-based pregnancy
Surveillance		surveillance to	identify women of repr	oductive age (WRA).	
		gnancy, (2) estimated ge	criteria:	reened PRISMA MNH study s, (3) required age per local	standard, and (4) lives in
MNH00: Pre- Screening Form		meet all 4 presceening of tinue on to consent pro	do not meet other prescreening criteria. they are not eligible for the PRISMA MNH studyongoing surveillance. Do not screen again until after pregnancy end.	clinical signs of pregnancy, they are not eligible for the PRISMA MNH studyongoing surveillance. Return in 2-4 months to continue pregnancy surveillance.	
	STEP	3: PRISMA MNH CONS			
	Complete Infor	med Consent for PRISA			
	Participant		Participant does not		
		3.	consent ⊗		
MNH01: Ultrasound Exam Form	STEP 4: ULT Complete ultrasou confirmation and ges	nd for pregnancy		l	
	STEP 5: ENR				
MNH02: Enrollment Form	Women with verified gestation <20 weeks will confirm eligibility and be invited to enroll in PRISMA MNH.	Women with verified gestation >=20 weeks are not eligible for PRISMA MNH Study. ⊗			
Complete Enrollment ANC Visit	MNH03: Social and Dem MNH04: Clinical status MNH05: Anthropometr MNH06: Point-of-care d MNH07: Speciment coll	cis iagnostics			

 Table 1: Target windows for antenatal and postnatal care visits

			Accepted Visit Windows
Period	Visit	On Time	Late
Antenatal care	Enrollment	<20 weeks	Ineligible if ≥20 weeks. If enrolled ≤17 weeks, schedule a separate ANC-20 visit. If enrolled ≥18 weeks, combine the visit with ANC-20.
	ANC-20	18 to 22 weeks	23 to 25 weeks
	ANC-28	26 to 30 weeks	None (skip visit if missed on-time window)
	ANC-32	31 to 33 weeks	34 weeks to delivery (overlapping with ANC-36 visit because ultrasound and labs are required for this visit)
	ANC-36	34 to 38 weeks	38 weeks to delivery
Delivery	IPC	Delivery to 72 hours	Can be collected at the first PNC visit if on-time visit window missed.
Postnatal care	PNC-0	3 to 5 days	None (skip visit if missed on-time window)
	PNC-1	7 to 14 days	None (skip visit if missed on-time window)
	PNC-4	28 to 35 days	None (skip visit if missed on-time window)

PNC-6	6 to 7 weeks	8 to 12 weeks (skip visit if missed late window)
PNC-26	26 to 28 weeks	29 to 39 weeks (skip visit if missed late window)
PNC-52	52 to 54 weeks	55 to 64 weeks (or until confirmed lost to follow up)

Table 2. Schedule of study visits and CRF use

							St	udy Vis	its					
						[Home	(H), Fac	ility (F)]				
					[X (require	d), O (c	ptional), * (as	indicat	ed)]			
	Data Captured			ANC			IPC	PNC						
		<20	20 wk	28 wk	k 32 wk 36 wk		Birth	72 hr 1 wk 4 wk 6 wk 6 1 yr						Ad
		wk	20 WK	ZO WK	JZ WK	JO WK	Direit	72111	I WK	T WK	OWK	mos	yı	Нос
		F	F	F	F	F	H/F	H/F	Н	H/F	F	H/F	H/F	F
	00: Pre-screening (H)	Х												
Entry	01: Ultrasound (F)	Х	0	0	х	0								
	02: Enrollment Status (F)	Х												
	03: Sociodemographic (H)	х												
	04: ANC Clinical Status(F)	Х	Х	Х	Х	Х								
	05: Anthropometrics (F)	Х	Х	Х	Х	Х	Х				Х	Х	Х	
	06: POC Diagnostics (F)	Х	Х	Х	Х	Х	0	Х	Х	Х	Х	Х	Х	
Mother	MHF: Medical History (F)	Х	0	х	х	0				х				
Wother	07: Specimen Collection(F)	Х	0	х	х	х	0				х	Х		
	Lab request form (F)	х	0	х	x	х	0				X	Х		
	08: Lab Results (Office)	Х	0	Х	х	Х					Х	Х		
	25: Depression (H)		х		х						х			
	12: PNC Clinical Status							Х	Х	Х	Х	Х	Х	
	09: L&D Outcome						Х							
Birth	10: Maternal Post- delivery Outcome						Х							
	11: Newborn Birth Outcome						х							
Infant	13: Clinical Status							Х	Х	Х	Х	Х	Х	
	14: POC Diagnostics							Х	Х	Х	Х	Х	Х	

				ANC			IPC	PNC						
	DATA CAPTURED	<20 wk	20 wk	28 wk	32 wk	36 wk	Birth	72 hr	1 wk	4 wk	6 wk	6 mos	1 yr	Ad Hoc
		F	F	F	F	F	H/F	H/F	Н	H/F	F	H/F	H/F	F
	15: Vaccination							Х	Х	Х	Х	Х	Х	
	16: ANC Exit Interview					0								
Services	17: IPC Exit Interview						0							
	18: PNC Exit Interview												0	
	19: Mat Hospitalization													Х
	20: Infant Hospitalization													Х
	21: Adverse Events													Х
Other	22: Protocol Deviation													Х
	23: Maternal Close-out												Х	
	24: Infant Close-out												Х	
	Verbal Autopsy													Х

Procedures in Event of Fetal Loss Identified During ANC Period

If any fetal loss (spontaneous or induced abortion, stillbirth) is identified during the ANC period, it should be recorded on CRF MNH04 (ANC Clinical Status Form). The following forms should be completed at the time the pregnancy outcome is identified: CRFs MNH09 (Maternal Labor and Delivery Outcome), MNH10 (Maternal Post Delivery Outcome), and MNH11 (Newborn Birth Outcome).

The woman should then be followed using CRF MNH12 (Maternal PNC Clinical Status) for 42 days (PNC-0 through PNC-6) in the event of an abortion (pregnancy end <20 weeks gestation) and for one year (PNC-0 through PNC-52) in the event of a stillbirth.

Table3. Schedule of study maternal laboratory and clinical assessments at ANC visits

				Timing		
Category	Assessment	Enroll ment	ANC- 20	ANC- 28	ANC- 32	ANC- 36
Clinical status	Ultrasound exam	х			х	
	Maternal height	х				
	Maternal weight	х	х	х	х	х
	Mid-upper-arm circumference (MUAC)	х	х	х	х	х
	Blood pressure	х	х	х	х	х
	Fetal heart rate (ultrasound)	х			х	
	Fetal heart rate (fetoscope or doppler)		х	х		х
Micronutrients	Vitamin B12 (Holotranscobalamin)	х			х	
	Vitamin B12 (Total cobalamin / serum B12)	х			х	
	Folate	х			х	
	Vitamin A (retinol binding protein)	х			х	
	Iodine (thyroglobulin)	х			х	

	Ferritin (+ CRP, AGP)	х			х	
Inflammation	C-reactive protein (CRP)	х	1		х	
	Alpha 1-acid glycoprotein (AGP)	х			х	
Communicable diseases	HIV (*Repeat test at ANC-36 if clinically indicated or locally recommended)	х				*
	Tuberculosis (*GeneXpert test only if screened positive for symptoms on W4SS. Repeat test at ANC-36 if clinically indicated or locally recommended).	*				*
	Malaria RDT (*Repeat test at ANC-36 if clinically indicated or locally recommended)	х				*
	Syphilis (*Repeat test at ANC-36 if clinically indicated or locally recommended)	х				*
	Hepatitis B	х				
	Hepatitis C	х				
Non- communicable	Full blood count	х				l
diseases	Hemoglobin assessment ¹	х	х	х	х	х
	Liver function test ²	х			х	
	Kidney (renal) test ³	х			х	
	Blood group / Rh factor	х				
	Urinalysis (dipstick) ⁴	х	х	х	х	х
	Blood glucose (2 hour 75g oral glucose-tolerance test recommended per WHO guidance)			х		
	Hemoglobin A1c	х				

Thyroid function test (TSH, Free T4, Free T3)	х		х	

Table 4: Schedule of study neonatal/infant laboratory and clinical assessments at PNC visits

		Timing									
Category	Assessment	PNC-0	PNC-1 1 week	PNC-4 4 weeks	PNC-6 6 weeks	PNC-26 6 months	PNC-52 1 year				
Clinical status	Anthropometry	х	х	х	х	х	х				
Point-of-care	Hemoglobin				х	х	х				
	Bilirubin	х	х								
	Malaria					х	х				
Tests only as indicated	HIV (*in the case of maternal infection)				*	*	*				
	Lactate (*in the case of suspected birth asphyxia)	*			li .						
	Hepatitis B (*in the case of maternal infection)						*				

Table 6: Schedule of study maternal laboratory and clinical assessments at PNC visits

		Timing									
Category	Assessment		PNC- 1	PNC- 4	PNC- 6	PNC- 26	PNC- 52				
Clinical status	Maternal weight				х	Х	х				
	Mid-upper-arm circumference (MUAC)				х	Х	х				
	Blood pressure	х	Х	Х	х	Х	х				
Micronutrients	Vitamin B12 (Holotranscobalamin)				х						
	Vitamin B12 (Total cobalamin / serum B12)				х						
	Vitamin A (retinol binding protein)				х						
	Folate				х						
	lodine (thyroglobulin)				х						
	Ferritin (+ CRP, AGP)				х						
Inflammation	C-reactive protein (CRP)				х						
	Alpha 1-acid glycoprotein (AGP)				х						

Non-	Hemoglobin assessment ¹	х	х	х	х	Х	х
communicable diseases	Urinalysis (dipstick)				х		