CHAIN Enrolment CRF v1.63

CHAIN Number [4][0] [0][0][1] [ ][ ][ ]

Eligibility Checklist		
Age between 2 months and before 2nd birthday	Y	N - ineligible
Being admitted to hospital because of acute illness	Y	N- ineligible
Parent or guardian able and available to consent	Y	N- ineligible
Able to feed orally in usual state of health	Y	N- ineligible
Known congenital syndrome	Y- ineligible	N
Cleft palate	Y- ineligible	N
Known congenital cardiac disease	Y- ineligible	N
Known terminal illness e.g. cancer	Y- ineligible	N
Admission for surgery, or likely to require surgery within 6m	Y- ineligible	N
Admission for trauma?	Y- ineligible	N
Sibling enrolled in study	Y- ineligible	N
Previously enrolled	Y- ineligible	N

Part 1

Admission to Hospital and Study Enrolment					
DATE arrived at the hospital	__ __/__ __/__ __ __ __ *D D / M M / Y Y Y Y*	**TIME arrived at the hospital**	__ __: __ __ *24h Clock*	☐ Arrival time unknown	
DATE of enrolment i.e. date consented and seen by research team	__ __/__ __/__ __ __ __ *D D / M M / Y Y Y Y*	**TIME of enrolment**	__ __: __ __ *24h Clock*	**Sex**	☐ Male ☐ Female
DOB	__ __/__ __/__ __ __ __ *D D / M M / Y Y Y Y*	**Is the DOB:**	☐ True ☐ Estimated*	**Child's Initials**	___ ___ ___
Brought into hospital by: *Select all that apply*	☐ Mother	☐ Father	☐ Grandparent	☐ Aunt/Uncle	
	☐ Sibling <18				

CHAIN Enrolment CRF v1.63
CHAIN Number [4][0] [0][0][1] [ ][ ][ ]

☐ Sibling >18 ☐ Carer (care home) ☐ Other_____

**if DOB is estimated, and the day is uncertain, write '15' for DD*

Presenting Complaints

☐ Fever / Hotness of body	☐ Vomiting	☐ Lethargy
☐ Difficulty breathing	☐ Diarrhoea <14 days	☐ Convulsions
☐ Cough<14 days	☐ Diarrhoea >14 days	☐ Altered consciousness
☐ Cough>14days	☐ Blood in stool	☐ Not feeding
☐ Poor feeding/ Weight loss	☐ Developmental delay	☐ Body swelling / limb swelling/ Oedema
☐ Rash/ skin lesion	☐ Other *(only one complaint, if not covered by above options)* _____	

Initial Observations (to be taken at time of examination by research team)

Axillary temperature	____ ____. ____ °C	**Respiratory rate** *Count for 1 minute*	____ ____ ____/minute
Heart rate *Count for 1 minute*	____ ____ ____/minute		
SaO2 *To be taken from finger or toe using pulse oximeter*	____ ____ ____ % ☐ Measured in Oxygen ☐ Measured in Room Air ☐ Unrecordable *Leave blank if unrecordable*		

Anthropometry

Weight *to be taken using*	___ ___ . ___ ___kg	**Length** *to be taken using SECA 416*	Measurer 1	____ ____. ____ cm

SECA scales for CHAIN study			*infantometer provided for CHAIN study*	Measurer 2	____ ____ . ____ cm
MUAC *To be taken using MUAC tape for CHAIN study*	Measurer 1	____ ____ . ____ cm	**Head circumference** *To be taken using CHAIN measuring tape*	Measurer 1	____ ____. _____cm
	Measurer 2	____ ____ . ____ cm		Measurer 2	____ ____. _____cm
Oedema	☐ ☐ + ☐ ++ ☐ +++ None		**Initials**	Measurer 1 ___ ___ ___	Measurer 2 ___ ___ ___

NB: If the child is unwell the Length and Head Circumference can be taken at a later time.

Current Health

Previously admitted to hospital. *Include other hospitals / health centres. Select 1*	☐ No ☐ < 1 week ago ☐ 1 weeks-1month ago ☐ >1month ago
Any medication last 7 days. *Select all that apply*	☐ No medication ☐ Antibiotic ☐ Antimalarial ☐Traditional ☐ Deworming ☐ Vitamin ☐ Paracetamol or Ibuprofen ☐ Yes, but unknown ☐Other
Urine volume in last 24hrs? *Select 1*	☐ Not passing urine ☐ Less than normal ☐ Normal or ☐ Unknown greater

Examination

Examination should be performed by CHAIN study clinician trained in clinical examination of children, and able to formulate a diagnosis based on clinical history and findings. Refer to Clinical Examination SOP

Airway *(select one)*	☐ **Clear** ☐ Needs active support ☐ Obstructed/Stridor

CHAIN Enrolment CRF v1.63

CHAIN Number [4][0] [0][0][1] [ ][ ][ ]

Breathing *(select all that apply)*	☐ **Normal – no concerns**, (move to circulation) ☐ Central cyanosis ☐ Nasal flaring ☐ Reduced air-entry ☐ Wheeze ☐ Acidotic Breathing ☐ Grunting ☐ Lower chest wall indrawing ☐ Crackles ☐ Dull to percussion ☐ Head nodding
Circulation: **Cap Refill** (select one) **Cold Peripheries**(select one)	☐ >3s ☐ 2-3s ☐ <2s ☐ Shoulder ☐ Elbow ☐ Hand ☐ Warm peripheries
Disability: **Conscious level**(select one)	☐ **Alert** ☐ Voice ☐ Pain ☐ Unresponsive
Fontanelle(select one)	☐ **Normal** ☐ Bulging ☐ Sunken ☐ Not present
Tone(select one)	☐ **Normal** ☐ Hypertonic ☐ Hypotonic
Posture(select one)	☐ **Normal** ☐ Decorticate ☐ Decerebrate
Activity(select one)	☐ **Normal** ☐ Irritable/Agitated ☐ Lethargic
Dehydration:	☐ Y ☐ N
Sunken eyes? Skin pinch (*select one)*	☐ >2 seconds ☐ <2 seconds ☐ Immediate
Drinking/Breastfeeding *(Select one)*	☐ **Normal** ☐ Poorly ☐ Not drinking ☐ Eager / Thirsty
Abdomen *(select any that apply)*	☐ **Normal – no concerns** ☐ Distension ☐ Hepatomegaly ☐ Tenderness ☐ Splenomegaly ☐ Other abdominal mass
Signs of Rickets	☐ Wrist ☐ Rachitic ☐ Swollen ☐ Bow ☐ Frontal ☐ **None** widening rosary knees legs bossing
Jaundice *(Select one)*	☐ **Not jaundiced** ☐ + ☐ ++ ☐ +++

ENT/Oral/Eyes *(select any that apply)*	☐ Mouth Normal ☐ Ears Normal ☐ Eyes Normal ☐ Oral ulceration ☐ Pus from ear ☐ Conjunctivitis ☐ Oral candidiasis ☐ Tender swelling behind ear (mastoiditis) ☐ Eye discharge ☐ Stomatitis ☐ Lymphadenopathy ☐ Visual impairment
Skin *(select any that apply)*	☐ Normal ☐ Hyperpigmentation ☐ Depigmentation ☐ Broken skin ☐ Dermatitis ☐ 'Flaky paint' ☐ Cellulitis ☐ Impetigo ☐ Pustules ☐ Vesicles ☐ Desquamation ☐ Macular or papular
Site of skin lesions. *(select any that apply)*	☐ Not applicable ☐ Trunk ☐ Face / scalp ☐ Legs (No rash) ☐ Palms / soles ☐ Buttocks ☐ Arms ☐ Perineum

Suspected Chronic Conditions

Select confirmed, suspected or none for all conditions:	Confirmed *(diagnosed previously/ recorded)*	Suspected *(clinician's impression)*	None
Cerebral palsy/neurological problem/ epilepsy	☐	☐	☐
Sickle Cell disease *family history, crisis*	☐	☐	☐
Thalassaemia	☐	☐	☐
Visual problem / Blindness *Not fixing and following*	☐	☐	☐
Losing weight or not gaining weight	☐	☐	☐

TB Screening

Known TB (on treatment)	Child has cough >14 days	Household contact has TB, or cough >14 days	Child has suspected extra-pulmonary TB
Y N	Y N	Y N	Y N

Feeding

Currently in outpatient nutrition program? *Select one.*	☐ None ☐ Supplementary ☐ Therapeutic (*corn soy blend, RUSF, khichuri, halwa)* *(RUTF, Plumpy-nut)*

Has the child eaten these nutrition products in the last 3 days?	☐ Supplementary ☐ Therapeutic ☐ None		
Currently Breastfeeding?	☐ Y ☐ N	**If yes is the child taking anything else (exclude medicine)?**	☐ Y ☐ N ☐ N/A
If NO breastfeeding at all, age stopped in months? *(select one)*	☐ 0-3m ☐ 4-6m ☐ 7-12m ☐ >12m ☐ Unknown ☐ N/A		
What did the child receive other than breast milk in the first 3 days of life? *Select all that apply Do not include medications e.g. ARV.*	☐ Sweetened/sugar water ☐ Formula/powder milk ☐ Animal milk ☐ Fruit Juice ☐ Tea ☐ Other ☐ Gutthi / ☐ Water ☐ Porridge/pulp ☐ Pure Honey ☐ Glycerine ☐ Nothing		gripe water

CHAIN Enrolment CRF v1.63

CHAIN Number [4][0] [0][0][1] [ ][ ][ ]

Vaccinations – *Ask carer or check book / card if available*							
BCG scar	☐ Yes ☐ No	**Rotavirus**	☐ Book	☐ Self report	☐ Not received	**Doses received:** 3 2 1 ☐ Unknown	
Measles	☐ Book ☐ Self report ☐ Not received ☐ Unknown	**Pneumococcus**	☐ Book	☐ Self report	☐ Not received	**Doses received:** 3 2 1 ☐ Unknown	
		DTP/Penta	☐ Book	☐ Self report	☐ Not received	**Doses received:** 3 2 1 ☐ Unknown	
		Polio	☐ Book	☐ Self report	☐ Not received	☐ Unknown	

CLINICIANS IMPRESSION OF RISK	
How likely does the clinical team think this child is to die during this admission? Select one	
☐ Almost certainly not	☐ Very unlikely ☐ Quite unlikely ☐ Unsure ☐ Quite likely ☐ Very likely ☐ Almost certainly

Immediate Clinical Investigations and HIV status							
Malaria RDT *circle result*	Positive		Negative		Not done		
Blood glucose	___ ___ . ___ mmol/L		**Time glucose measured**		___ ___:___ ___ *24h clock* ☐ Unknown		
Urine Dipstick *(can be done at any time during admission)*	Protein	Nitrites	Leucocytes	Blood	Ketones	Glucose	
Urine sample stored? Y N							
☐ Not done ☐ Bag ☐ Clean catch	None + ++ +++	Pos Neg	None + ++ +++	None + ++ +++	None + ++ +++	None + ++ +++	

HIV status known?	☐ Yes, known exposed, known PCR negative (children ☐ Yes, known PCR positive ☐ Yes, antibody positive, under 18m with PCR result unknown PCR status SEEN BY RESEARCH TEAM. If not seen select below and perform HIV RDT ☐ No, known to be HIV exposed, but child untested ☐ No, child not tested, not known to be exposed			
If child known HIV positive or exposed	**On any ART?**	☐ Y ☐ N ☐ Unknown	**If on treatment, If on ARV** 2_____ ARV ☐ AZT + NVP prophylaxis	**prophylaxis** 1_____ ☐ Nevirapine prophylaxis only 3_____

		☐ Caregiver unsure
	Co-trimoxazole *select one*	☐ On high dose ☐ On prophylactic dose co-trimoxazole ☐ Not on coco-trimoxazole ☐ Caregiver unsure trimoxazole
If not known positive	**HIV RDT now** *select one*	☐ Reactive / positive ☐ Non-Reactive / Negative ☐ Declined PCR sent: ☐ Y ☐ N
HIV test offered to caregiver?		☐ Yes, Reactive ☐ Yes, Non-reactive ☐ Yes, but Declined ☐ No, Caregiver is known positive ☐ Missed ☐ N/A child in care home
Did the mother have interventions or medication during delivery to prevent transmission of HIV to baby?		☐ Yes ☐ No ☐ Unknown

INITIAL TREATMENT

Admitted to: *select one*	☐ Admission to ward ☐ Admission to HDU ☐ Admission to ICU
Date and time First antibiotics given	__ __ / __ __ / __ __ __ __ *24h clock* ___ ___:___ ___ ☐Not given

Intravenous Antibiotics Given? ☐ **Not given**	☐ Benzylpenicillin ☐ Gentamicin ☐ Ceftriaxone / Cefotaxime ☐ Co-amoxiclav/ ☐ Flu/Cloxacillin ☐ Chloramphenicol Augmentin ☐ Ampicillin ☐ Amikacin ☐ Meropenem / Imipenem ☐ Levofloxacin ☐ Vancomycin ☐ Metronidazole ☐ Ceftazidime ☐ Pivmecillinam ☐ Other_____	
Oral Antibiotics Given? ☐ **Not given**	☐ Amoxicillin ☐ Erythromycin ☐ Azithromycin ☐ Co-trimoxazole ☐ Metronidazole ☐ Ciprofloxacin ☐ Co-amoxiclav / ☐ Cefalexin / cefaclor ☐ Nalidixic acid Augmentin ☐ Penicillin ☐ Flucloxacillin ☐ Levofloxacin ☐ Other _____	
Initial treatment <u>given</u> *First 6 hours.* *Select any that apply.* *For IV fluid bolus, and IV fluids specify type and volume in ml, and duration*	☐ IV Fluid Bolus	☐ IV Maintenance Fluids
	☐ Oxygen	☐ CPAP
	☐ IV Glucose ☐ Oral Glucose	☐ Warmth (heater, warmed fluids)
	☐ Blood transfusion	☐ Commercial F75
	☐ Phenobarbitone	☐ Commercial F100
	☐ Diazepam	☐ Locally prepared F75/ milk suji
	☐ Paracetamol	☐ Local prepared F100 / milk suji 100
	☐ Ibuprofen	☐ Expressed breast milk
	☐ Diclofenac	☐ Dilute F100/ dilute milk or formula
	☐ Salbutamol / atrovent / other bronchodilator	☐ Other milk/ formula/ feed
		☐ RUTF
	☐ Prednisolone/ dexamethasone/ hydrocortisone	☐ Nasogastric tube
	☐ Adrenaline	☐ Multivitamin
	☐ Zinc	☐ Micronutrients

	☐ Folic acid	☐ Vitamin A
	☐ Antimalarial (any)	☐ Albendazole / deworming
	☐ ReSoMal	☐ Other
	☐ ORS	_____

Suspected Initial Diagnoses: *Clinical diagnosis should be based on examination and investigation findings. Tick the three most likely diagnoses.*

Respiratory	**Infection**	**CNS**
☐ LRTI/pneumonia	☐ Gastroenteritis	☐ Febrile convulsions
☐ Bronchiolitis	☐ Sepsis	☐ Epilepsy
☐ URTI	☐ Malaria	☐ Probable meningitis
☐ Pulmonary TB	☐ Extra pulmonary TB	☐ Other encephalopathy
☐ Otitis media	☐ Soft tissue infection	☐ Hydrocephalus
☐ Asthma	☐ UTI	☐ Developmental delay
General	☐ HIV related illness	☐ Cerebral palsy
☐ Anaemia	☐ Measles	
☐ Sickle Cell Disease	☐ Varicella	**Other suspected diagnosis:**
		☐ Other
☐ Thalassaemia	☐ Osteomyelitis	☐ Unknown
☐ Renal impairment	☐ Febrile illness unspecified	☐ Failed appetite test only
☐ Nephrotic syndrome	☐ Enteric fever	
☐ Nephritis		
☐ Liver dysfunction		
☐ Ileus		
☐ Congenital cardiac disease		

Admission Core Cohort Investigations and Sample Collection

CBC taken	☐ Y	☐ N	**Plain Blood (serum)**	☐ Y	☐ N
Clinical chemistry taken	☐ Y	☐ N	**Blood spot taken**	☐ Y	☐ N
EDTA 2ml blood taken	☐ Y	☐ N	**Blood culture taken** *(if available at site)*	☐ Y BEFORE ABX ☐ Y AFTER ABX	☐ N
EDTA 0.5ml blood taken	☐ Y	☐ N	**Blood gas taken** *(if available at site)*	☐ Capillary ☐ Venous	☐ N

Unable to take blood samples, why?	☐ Difficult venepuncture ☐ Child uncooperative ☐ Parent refused ☐ Other
Rectal swabs taken	☐ Y BEFORE ABX ☐ N Number taken ☐1 ☐2 ☐ Y AFTER ABX Time taken___ ___: ___ ___
Stool sample	Taken in first 24h? ☐ Y ☐ N Time taken___ ___: ___ ___

Chest x-ray indicated *(respiratory signs symptoms)*	☐ Yes, but too unwell ☐ Yes, done ☐ Indicated but not done, unclear ☐ Not indicated
Lumbar puncture indicated *(signs of meningitis documented)*	☐ Yes, but too unwell ☐ Yes, done ☐ Not indicated

Blood Samples taken by (initials)	__ __ __
Rectal Swabs taken by (initials)	__ __ __

CRF Completed by (Initials) – to be signed when complete. *Do not sign if any fields are empty*	__ __ __	Date __ __ / __ __ / __ __ __ __ *D D / M M / Y Y Y Y*	Time ___ ___: ___ ___

PART 2

CHAIN ADMISSION CRF: SOCIAL INFORMATION.

CHAIN Enrolment CRF v1.63
CHAIN Number [4][0] [0][0][1] [ ][ ][ ]

To be completed within 48h of admission when child is stable. This should ideally be done in a conversational and unhurried way, with the interviewer sitting with the caregiver.

Initials of person interviewing caregiver and completing part 2 ___ ___ ___ ☐ Doctor ☐ Clinical officer ☐ Nurse ☐ Field worker ☐ Research Assistant ☐ Other	Date __ __/__ __/__ __ __ __ *D D/M M/ Y Y Y Y* Time ___ ___:___ ___
Who is being interviewed?	
☐ Primary caregiver and one ☐ Care and more than one ☐ Primary is not the primary caregiver ☐ Primary caregiver only ☐ One person who staff ☐ More than one person who caregiver other person ☐ other person caregiver home	

Care-seeking Behaviour	
Was the child in generally good health before this illness?	☐ Y ☐ N ☐ Unknown
If No, how long has the child had this problem of generally bad health?	__ __ weeks ☐ N/A
Does the child have health insurance?	☐ Y ☐ N ☐ Unknown
What was the main reason for bringing the child to this hospital today? *Reasons given, select one*	
☐ Referred by health care worker (e.g. from family, neighbour, paid work)? ☐ Caregiver concern of child's condition ☐ Received money for transport to hospital ☐ Relative / neighbour concern away ☐ Primary caregiver returned home e.g. if working ☐ Other of child's condition	
How did you travel to the hospital? *Select all that apply*	
☐Car/ Taxi ☐ Ambulance ☐ Bus ☐Motorbike ☐ Tuk-tuk /CNG ☐ Cycle rickshaw ☐ Train ☐ Walking ☐ Other	
How long did it take you to travel to hospital?	☐ <1h ☐ 1- < 2h ☐ 2-4h ☐ >4h ☐ > 1 day

How much did it cost the family to travel to hospital today (in local currency? *Estimate amount. If walked or free ambulance write 0*	___ ___ ___ ___
Have you sought treatment for this illness prior to coming to hospital? *Select all that apply*	
☐ No treatment sought ☐ Shop ☐ Government hospital ☐ Government dispensary ☐ Traditional Healer ☐ Pharmacy ☐ Private Medical Facility/ NGO ☐ Herbalist ☐ Homeopathist ☐ Other	
Received treatment from traditional healer, homeopathist or herbalist in last 4 weeks?	Y N

Child's Health Status Before Admission

Before this illness, how did this child's health compare to other children of similar age in your neighbourhood? *Select one*
☐Similar ☐Better ☐Worse ☐Don't know
Before this illness, how did this child's health compare to his/her siblings at a similar age? *Select one*
☐Similar ☐Better ☐Worse ☐ Don't know ☐ N/A only child

Birth History

Source of information	☐ Maternal/caregiver recall ☐ Book/medical records
Birth weight	___ .___ ___kg ☐Unknown
Birth details *Select any that apply*	☐ Premature ☐ Born small <2.5kg ☐Twin/multiple birth ☐ Born at term ☐ Unknown
Delivery location *Select one*	☐ Born in hospital ☐ Community facility/clinic with midwife/nurse midwife/doctor ☐Home without ☐ Home with traditional birth attendant ☐Home with midwife/nurse birth attendant (untrained) ☐ Other ☐ Unknown

Delivery details *Select all that apply*	☐ Normal, spontaneous vaginal ☐ Assisted delivery (forceps, ventouse) ☐ Caesarean section ☐ Mother admitted to delivery ☐ Admitted neonatal unit ☐ Unknown hospital >48h

Mother's age at first pregnancy	___ ___years ☐ unknown	**Mother's age now**	___ __years	☐ unknown
Participant birth order	___ ___ of ___ ___ total live births (*e.g. if youngest of 3 children 3 of 3, if oldest of 3 children 1 of 3)*			
Are the biological parents of this child consanguineous? *Ask if parents have relatives in common or are related.*	☐ Yes ☐ No ☐ Unknown			

Primary Caregiver Information

***This is the person who has responsibility for day to day care of the child, but is not a substitute carer such as childminder or grandparent who cares for child whilst, for example, mother is at work*.**

Who is the Primary Caregiver? *Select one*	☐Biological Parent ☐Grandparent ☐Sibling ☐Aunt / Uncle / Cousin ☐ Stepmother / father ☐ Care home /orphanage ☐Other/ Unclear		
Is the child's biological father alive?	☐ Y ☐ N ☐ Unknown	**Is the child's biological mother alive?**	☐ Y ☐ N ☐ Unknown
Primary Care Giver Age *Select one*	☐ <18years ☐ >=18 years ☐ >50years ☐ N/A (care home or unclear)		
Primary Care Giver Sex *Select one*	☐ Male ☐ Female ☐ N/A	**Primary caregiver present at admission?**	☐ Y ☐ N
Has the primary caregiver lived in the same household as the child for the last 2 months?			☐ Y ☐ N ☐ N/A (care home)

Marital status of primary caregiver *Select one*	☐ Married/ ☐ Married ☐ Single ☐ Separated / divorced ☐ Widowed ☐ N/A monogamous polygamous
If not present at admission, where is the primary caregiver? *Select one*	
☐ Home ☐ Work ☐ School ☐ Unknown ☐ Other_____ ☐ N/A	

If the primary caregiver is present, caregiver anthropometry: *Use locally available adult scales and stadiometer, and adult MUAC tapes provided by CHAIN.*					
☐ **Primary caregiver not present during admission, or care home**					
Weight	___ ___. ___ kg	**MUAC**	___ ___ .___.cm	**Height:**	___ ___ ___cm
Education: *Select highest level of education achieved*	☐ None ☐ Primary ☐ Secondary ☐ Above secondary ☐ Un			:nown ☐ N/A care home	
Able to read?	☐ Y ☐ N ☐ Unknow☐ n	**Is the primary caregiver primarily responsible for financial support and providing for the child?**		☐ Y ☐ N	
Primary caregiver HIV status in last 6 months *Select one*	☐ Tested Positive	☐ Tested Negative		☐ Not tested or unknown	

Have there been ANY changes to the child's social situation in the last 2 MONTHS? *Select any that apply,*

Child moved to a different household	**Y N**	**Relocation from rural to urban setting** *Select 'yes' even if this is temporary*	**Y N**
		Relocation from urban to rural setting *Select 'yes' even if this is temporary*	**Y N**
		Relocation to live with different caregiver *Select 'yes' even if this is temporary*	**Y N**
Mother sick	**Y N**	**Mother Died**	**Y N**
Father sick	**Y N**	**Father Died**	**Y N**
Other primary caregiver sick	**Y N N/A**	**Other primary caregiver died**	**Y N N/A**
Primary caregiver changed	**Y N**	**Child went into care home**	**Y N**
Primary caregiver started employment / returned to school	**Y N**	**Person providing for the child has lost income**	**Y N**
Primary caregiver divorced / separated from partner	**Y N**	**Primary caregiver in new relationship**	**Y N**
Mother is pregnant	**Y N**	**Mother gave birth**	**Y N**
Other primary caregiver pregnant?	**Y N N/A**	**Other primary caregiver gave birth**	**Y N N/A**

If primary caregiver has changed in the last 2 months, who was the child 's previous primary caregiver? *Select one*

☐Biologic Mother	☐Biologic Father	☐Sibling ≥18 years old	☐Sibling <18 years old
☐Grandparent	☐Aunt/Uncle/Cousin	☐Other	☐ N/A

Primary caregiver earns an income now? *Ask the person accompanying the child and select one*

☐ Employed full time by someone else ☐ Employed part time by someone else
☐ Works for self ☐ No work income
☐ Works casually/irregularly for someone ☐ Don't know

If works casually, Occupation: ☐ N/A care home

How many days worked a week? *Select one*	☐ N/A, does not work ☐ **<3** ☐ **3-5** ☐ **>5** for income

If the primary caregiver earns, main source of income? *Select one*

☐ Farmer ☐ Business/trader ☐ Labourer ☐ Domestic work
☐ Other private sector employment ☐ Public sector employment ☐ Retired with pension income
☐ Begging ☐ Other_____ ☐ N/A

If the primary caregiver works (earning or non-earning), main place of work? *Select one*

☐In/around home (where child lives) ☐ Away for <4 hours per day ☐Away >4 hours but comes home daily
☐Away > 8h a day but returns home daily ☐Away >1 day, comes home weekly ☐ Away comes home, less than weekly
☐Primary caregiver lives and works away ☐ Don't know ☐ N/A

The person primarily providing financial support to this child is this child's: *Select one*

☐ Biologic Mother ☐ Biologic Father ☐ Stepfather ☐ Stepmother
☐ Grandparent ☐ Sibling ≥18 years old ☐ Sibling <18 years old ☐ Aunt/Uncle/Cousin
☐ More than one person responsible, ☐ Unsupported / care home ☐ Other -specify_____ unclear

Person responsible for providing financial support to child, place of usual residence? *Select one*

☐ Always sleeps at home ☐ Sleeps away but returns weekly

☐ Sleeps away for > two months per year ☐ Works and lives abroad, contact with child once a year or less

☐ Sleeps away but return monthly or less often ☐ Don't know

☐ Other_____ ☐ N/A (e.g. care home, unsupported)

What is the Father or person responsible for providing financial support to child source of income? *Select one. If the primary carer is also the person providing financial support do not complete this section.*

☐ Farmer ☐ Business/trader ☐ Labourer ☐ Domestic work

☐ Other private sector employment ☐ Public sector employment ☐ Retired with pension income

☐ Begging ☐None ☐ Unknown ☐ Other _____ ☐ N/A

Substitute Care:
Who usually looks after child when primary caretaker is working or away? Select all that apply

☐ Not applicable, caregiver looks after child full time ☐ Not applicable, child accompanies caregiver to work

☐ No substitute care, child left alone ☐ No substitute care / unclear ☐ Child in care home

☐ Biological Mother ☐ Biological Father ☐ Sibling <18 years old ☐ Sibling ≥18 years old

☐ Grandparent ☐ Aunt/Uncle/Cousin ☐ Childcare facility outside home ☐ Childminder/ day care at home

How many days a week is the child in day care?	☐ N/A ☐ 1-2 ☐ 3-4 ☐ 5-6 ☐ >6
How many hours per day is the child in day care?	☐ N/A ☐ 1-4h ☐ 5-8h ☐ 9-12h ☐ >12h
How many children are looked after at this day care?	☐ <3 ☐ 4-6 ☐ 7-10 ☐ >10 ☐Unknown ☐ N/A
How many of these are under 2y?	☐ <3 ☐ 4-6 ☐ 7-10 ☐ >10 ☐Unknown ☐ N/A
How many adults look after these children?	☐ 1 ☐2-4 ☐5-10 ☐ >10 ☐ N/A
Do you feel the day care is good?	☐ Y ☐ N ☐ N/A

Who provides food for the child at day care? *Select one*

☐ Caregiver provides ☐ Day care provides ☐ Someone else provides ☐ Don't know
☐ N/A food for the child food for the child food for the child

Is feeding supervised / assisted at day care?	☐ Y ☐ N ☐ Unknown ☐ N/A

Household Food Security (if child in care home include **children** in the care home only)	
During the past 7 DAYS has ANY member of the household missed a meal due to food shortage?	☐ Y ☐ N ☐ Unknown
During the past 4 WEEKS	
Did you worry that your household would not have enough food?	☐ Y ☐ N ☐ Unknown
Were any of your household unable to eat the kinds of food preferred because of a lack of resources?	☐ Y ☐ N ☐ Unknown
Have any of your household had to eat a limited variety of food due to lack of resources?	☐ Y ☐ N ☐ Unknown
Have any of your household eaten some foods that you really didn't want to eat because of lack of resources?	☐ Y ☐ N ☐ Unknown
Have any of your household eaten fewer meals in a day because there was not enough food?	☐ Y ☐ N ☐ Unknown
Did household members go to sleep at night hungry because there was not enough food?	☐ Y ☐ N ☐ Unknown
Did you or your household members go a whole day and night without eating anything because there was not enough food?	☐ Y ☐ N ☐ Unknown

Child Dietary Diversity
What does the child eat on a typical day? • *Ask this as an open question and select all that the caregiver mentions.* • *Do not present the caregiver with this list.* • *You may prompt the caregiver with open questions, e.g. What does your child usually eat for breakfast*

☐ **Milk and Milk Products**: Fresh/fermented milk, cheese, yogurt, or other milk products
☐ **Breast milk**
☐ **Cereals and Cereal Products**: Maize, rice, pasta, porridge, bread, biscuits, millet, sorghum, wheat, locally available grains
☐ **Fish and Sea Foods**: fresh or dried fish or shellfish
☐ **Roots and Tubers**: potatoes, sweet potatoes, yams, cassava, or foods made from roots or wild roots and tubers
☐ **Vegetables**: Cabbages, carrots, spinach, and any other locally available vegetables including wild vegetables
☐ **Fruits**: Oranges, bananas, mangoes, avocados, apples, grapes etc
☐ **Meats and Poultry**: Camel, beef, lamb, goat, rabbit, wild game, chicken or other birds, liver, kidney, heart or other organ meats or blood-based foods
☐ **Eggs**: Hen or other bird eggs
☐ **Pulses / Legumes / Nuts and Seeds**: Beans, peas, lentils, nuts, seeds or foods made from these
☐ **Fats and Oils**: Oil, fats, ghee, margarine or butter added to food or used for cooking
☐ **Sugars / Honey and Commercial Juices**: Sugar in tea, honey, sweetened soda, juices, chocolates, sweets or candies
☐ **Miscellaneous**: Spices, unsweetened beverages
☐ **UNKNOWN**

Feed ing practices

How is food USUALLY given to the child? ***Select one***	
☐ Fed by adult	☐ Child feeds self, unsupervised
☐ Child feeds self, supervised by adult	☐ Fed from common plate or bowl
☐ Child feeds self, supervised by older children	☐ Child exclusively breastfed
☐ Unknown	☐ Other

Assessment of household wealth
(DHS 7 questionnaire. Please answer all questions, for all participants, including children in care homes)

What is the main source of drinking water for members of your household? *Choose one*

☐ Piped water to dwelling ☐ Cart with small tank ☐ from vendor

☐ Piped water to yard / plot ☐ Tanker truck ☐ Rainwater
☐ Piped to neighbour ☐ Bottled water ☐ Stream/river/lake/pond/dam

☐ Public tap/ Standpipe ☐ Protected spring ☐ Unknown

☐ Protected well / borehole ☐ Unprotected spring

☐ Unprotected well ☐ Other

What is the MAIN source of water used by your household for other purposes such as cooking and handwashing? SELECT ONE ONLY

☐ Piped water to dwelling ☐ Cart with small tank ☐ Bought from vendor

☐ Piped water to yard / plot ☐ Tanker truck ☐ Rainwater
☐ Piped to neighbour ☐ Bottled water ☐ Stream/river/lake/pond/dam

☐ Public tap/ Standpipe ☐ Protected spring ☐ Unknown

☐ Protected well / borehole ☐ Unprotected spring

☐ Unprotected well ☐ Other

How long does it take to get DRINKING water and come back? (State 0 if water supplied within home or compound)	__ __ __minutes ☐ Don't know
In the past 2 weeks was the water from this source not available for at least one full day?	☐ Y ☐ N ☐ Unknown

Do you usually do anything to the water to make it safer to drink? *Select all that apply*

☐	None ☐ Bleach/ chlorine ☐ Strain through a cloth ☐ Let it stand and settle
☐	Use water filter ☐ Solar disinfection ☐ Boil ☐ Other (ceramic/sand/composite etc)

What kind of toilet facility do members of your household usually use? *Select one*			
☐ Flush or pour flush toilet to piped sewer ☐ Flush to septic tank ☐ Ventilated improved pit latrine ☐ Flush to pit latrine ☐ Flush to somewhere else ☐ Open pit / Pit latrine without slab ☐ Flush don't know where ☐ Composting toilet ☐ Bucket toilet ☐ Pit latrine with slab ☐ Hanging toilet / hanging latrine ☐ No facility / bush/ field ☐ Unknown			
Do you share this toilet facility with other households?	☐ Y	☐ N	☐ Unknown
If Yes, including your own household, how many households use this toilet facility?	Number if <10__	☐ >10 households	☐ Unknown ☐ N/A
Where is this toilet facility located?	☐ In own dwelling ☐ In own yard / plot ☐ Elsewhere		
How many rooms are there in the household for SLEEPING?	☐ **1**	☐ **2**	☐ **>2**
What is the MAIN FLOOR material of the rooms in this household? *Select one only*			
☐ Cement ☐ Earth/sand ☐ Wood ☐ Dung ☐ Lives on boat ☐ Tiles ☐ Carpet ☐ Other (specify)_____ ☐ Unknown			
What is the <u>MAIN WALL</u> material of the rooms in this household? *Select one only*			
☐ Grass/straw/makuti ☐ Stone ☐ Wood ☐ Unknown ☐ Corrugated iron sheet/ Tin ☐ Mud/wood ☐ Brick/block ☐ Planks/shingles ☐ No wall ☐ Other (specify) _____			
What is the <u>MAIN ROOF</u> material of the house in this household? *Select one only*			

☐ Grass/Thatch ☐ Tiles/Asbestos sheets ☐ Corrugated iron/ Tins ☐ Mud ☐ Nylon papers/clothes ☐ Concrete ☐ Other (specify) _____ ☐ Unknown	
What is the <u>MAIN</u> cooking fuel used in this household? *Select one only*	
☐ Electricity ☐ LPG /Natural gas/Biogas ☐ Paraffin ☐ Coal / Lignite ☐ Charcoal ☐ Firewood ☐ Straw/shrubs/grass ☐ Agricultural crop ☐ Animal Dung ☐ No food cooked in household ☐ Other (specify)_____ ☐ Unknown	
Do you have a separate room which is used as a kitchen?	☐ Y ☐ N ☐ Unknown
Where is this household's cooking area located?	
☐ In the house ☐ Outdoors ☐ In a separate building ☐ Other _____ ☐ Unknown	

Does this household own any livestock, herds, other farm animals or poultry	☐ Y	☐ N	☐ Unknown
If yes, how many of the following animals does this household own?			
Cows/bulls__ __ Sheep__ __ Horses/Donkeys/Mules__ __ Goats__ __ Chickens or Ducks__ __ Other _____ number ___ ___			☐ N/A
Does any member of this this household own land?	☐ Y	☐ N	☐ Unknown
If "Yes" How many acres of land does this household own?	____Acres	☐ Unknown	☐ N/A
Does this household have a bank account?	☐ Y	☐ N	☐ Unknown
Does this household have electricity	☐ Y	☐ N	☐ Unknown
Does this household own a radio?	☐ Y	☐ N	☐ Unknown
Does this household own a television?	☐ Y	☐ N	☐ Unknown
Does this household own a computer?	☐ Y	☐ N	☐ Unknown

Does this household own a refrigerator?		☐ Y	☐ N	☐ Unknown
Does any member of this household own:				
A watch		☐ Y	☐ N	☐ Unknown
A mobile phone?	☐ Y Standard phone	☐ Y smartphone	☐ N	☐ Unknown
An animal-drawn cart?		☐ Y	☐ N	☐ Unknown
A bicycle?		☐ Y	☐ N	☐ Unknown
A motorcycle / scooter?		☐ Y	☐ N	☐ Unknown
A car or truck?		☐ Y	☐ N	☐ Unknown
A boat with a motor?		☐ Y	☐ N	☐ Unknown

CRF Completed by (Initials) – to be signed when complete. *Do not sign if any fields are empty*	__ __ __	Date __ __ / __ __ / __ __ __ __ *D D / M M / Y Y Y Y*	Time __ __ : __ __

END