



Eligibility Criteria		
Age between 7 days and before 2 nd birthday	Y	N - ineligible
Living in same community as a hospitalised participant	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
Required hospital admission within the last 2 weeks (if under 2 weeks old, hospital admission since discharge home after birth)	Y- ineligible	N
Known but untreated TB or HIV	Y- ineligible	N
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
Sibling enrolled in study	Y- ineligible	N
Previously enrolled	Y- ineligible	N

Initials of person interviewing caregiver _____ <input type="checkbox"/> Doctor <input type="checkbox"/> Clinical officer <input type="checkbox"/> Nurse <input type="checkbox"/> Field worker <input type="checkbox"/> Research Assistant <input type="checkbox"/> Other	Date ____/____/_____ <i>D D / M M / Y Y Y Y</i> Time ____:____
Who is being interviewed? <input type="checkbox"/> Primary caregiver only <input type="checkbox"/> Care home staff <input type="checkbox"/> Primary caregiver and one other person <input type="checkbox"/> Primary caregiver and more than one other person <input type="checkbox"/> One person who is not the primary caregiver <input type="checkbox"/> More than one person who is not the primary caregiver	

Enrolment					
Date of Enrolment <i>i.e. date consented and seen by research team in hospital</i>	____/____/_____ <i>D D / M M / Y Y Y Y</i>	Time of enrolment <i>24H Clock</i>	____:____	Sex circle	Male Female
Date approached in community	____/____/_____ <i>D D / M M / Y Y Y Y</i>	Date of informed consent		____/____/_____ <i>D D / M M / Y Y Y Y</i>	
DOB	____/____/_____ <i>D D / M M / Y Y Y Y</i>	DOB	<input type="checkbox"/> True <input type="checkbox"/> Estimated	Child Initials	_____





GPS LOCATION OF HOUSEHOLD	
<i>Tick + or – to indicate N/S and W/E</i>	
Latitude: <input type="checkbox"/> + <input type="checkbox"/> – _____ . _____	
Longitude <input type="checkbox"/> + <input type="checkbox"/> – _____ . _____	
<i>NOTE: GPS must be set to decimal degrees DDD.DDDDDD (not degrees, minutes and seconds).</i>	

Initial Observations (to be taken at time of examination)			
Axillary temperature	_____ . _____ °C	Respiratory rate <i>Count for 1 minute</i>	_____ /minute
Heart rate <i>Count for 1 minute</i>	_____ /minute		
SaO2 <i>To be taken from finger or toe using pulse oximeter</i>	_____ % <i>Leave blank if unrecordable</i>	<input type="checkbox"/> Measured in Oxygen	<input type="checkbox"/> Measured in Room Air <input type="checkbox"/> Unrecordable



Anthropometry and Nutrition				
Weight <i>to be taken using SECA scales for CHAIN study</i>	_____ . _____ kg		Length <i>to be taken using SECA 416 infantometer provided for CHAIN study</i>	Measurer 1 _____ . _____ cm
				Measurer 2 _____ . _____ cm
MUAC <i>To be taken using MUAC tape for CHAIN study</i>	Measurer 1 _____ . _____ cm	Head circumference <i>To be taken using CHAIN measuring tape</i>	Measurer 1 _____ . _____ cm	Measurer 2 _____ . _____ cm
	Measurer 2 _____ . _____ cm		Measurer 2 _____ . _____ cm	
Oedema <input type="checkbox"/> None <input type="checkbox"/> + <input type="checkbox"/> ++ <input type="checkbox"/> +++	Initials Measurer 1 _____ Measurer 2 _____			

Current Health	
Previously admitted to hospital. <i>Include other hospitals / health centres. Select 1</i>	<input type="checkbox"/> No <input type="checkbox"/> 2 weeks-1month ago <input type="checkbox"/> >1month ago
Any medication last 7 days. <i>Select all that apply</i>	<input type="checkbox"/> No medication <input type="checkbox"/> Antibiotic <input type="checkbox"/> Antimalarial <input type="checkbox"/> Traditional <input type="checkbox"/> Deworming <input type="checkbox"/> Vitamin <input type="checkbox"/> Yes, but unknown <input type="checkbox"/> Other
Urine volume in last 24hrs? Select 1	<input type="checkbox"/> Not passing urine <input type="checkbox"/> Less than normal <input type="checkbox"/> Normal or greater <input type="checkbox"/> Unknown



<p><i>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</i></p>			
<p>Airway <i>(select one)</i></p>	<input type="checkbox"/> Clear	<input type="checkbox"/> Needs active support	<input type="checkbox"/> Obstructed/Stridor
<p>Breathing <i>(select all that apply)</i></p>	<input type="checkbox"/> Normal – no concerns, (move to circulation)		
	<input type="checkbox"/> Central cyanosis	<input type="checkbox"/> Nasal flaring	<input type="checkbox"/> Reduced air-entry
	<input type="checkbox"/> Wheeze	<input type="checkbox"/> Acidotic Breathing	<input type="checkbox"/> Grunting
	<input type="checkbox"/> Lower chest wall indrawing	<input type="checkbox"/> Crackles	<input type="checkbox"/> Dull to percussion <input type="checkbox"/> Head nodding
<p>Circulation:</p>			
<p>Cap Refill (select one)</p>	<input type="checkbox"/> >3s	<input type="checkbox"/> 2-3s	<input type="checkbox"/> <2s
<p>Cold Peripheries(select one)</p>	<input type="checkbox"/> Shoulder	<input type="checkbox"/> Elbow	<input type="checkbox"/> Hand <input type="checkbox"/> Warm peripheries
<p>Disability:</p>			
<p>Conscious level(select one)</p>	<input type="checkbox"/> Alert	<input type="checkbox"/> Voice	<input type="checkbox"/> Pain <input type="checkbox"/> Unresponsive
<p>Fontanelle(select one)</p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Bulging	<input type="checkbox"/> Sunken <input type="checkbox"/> Not present
<p>Tone(select one)</p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Hypertonic	<input type="checkbox"/> Hypotonic
<p>Posture(select one)</p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Decorticate	<input type="checkbox"/> Decerebrate
<p>Activity(select one)</p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Irritable/Agitated	<input type="checkbox"/> Lethargic
<p>Dehydration:</p>			
<p>Sunken eyes?</p>	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<p>Skin pinch (select one)</p>	<input type="checkbox"/> >2 seconds	<input type="checkbox"/> <2 seconds	<input type="checkbox"/> Immediate
<p>Drinking/Breastfeeding <i>(Select one)</i></p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Poorly	<input type="checkbox"/> Not drinking <input type="checkbox"/> Eager / Thirsty
<p>Abdomen <i>(select any that apply)</i></p>	<input type="checkbox"/> Normal – no concerns	<input type="checkbox"/> Distension	<input type="checkbox"/> Hepatomegaly
	<input type="checkbox"/> Tenderness	<input type="checkbox"/> Splenomegaly	<input type="checkbox"/> Other abdominal mass
<p>Signs of Rickets</p>	<input type="checkbox"/> None	<input type="checkbox"/> Wrist widening	<input type="checkbox"/> Rachitic rosary <input type="checkbox"/> Swollen knees <input type="checkbox"/> Bow legs <input type="checkbox"/> Frontal bossing
<p>Jaundice (Select one)</p>	<input type="checkbox"/> Not jaundiced	<input type="checkbox"/> +	<input type="checkbox"/> ++ <input type="checkbox"/> +++
<p>ENT/Oral/Eyes <i>(select any that apply)</i></p>	<input type="checkbox"/> Mouth Normal	<input type="checkbox"/> Ears Normal	<input type="checkbox"/> Eyes Normal
	<input type="checkbox"/> Oral ulceration	<input type="checkbox"/> Pus from ear	<input type="checkbox"/> Conjunctivitis
	<input type="checkbox"/> Oral candidiasis	<input type="checkbox"/> Tender swelling behind ear (mastoiditis)	<input type="checkbox"/> Eye discharge
	<input type="checkbox"/> Stomatitis	<input type="checkbox"/> Lymphadenopathy	<input type="checkbox"/> Visual impairment
<p>Skin <i>(select any that apply)</i></p>	<input type="checkbox"/> Normal	<input type="checkbox"/> Hyperpigmentation	<input type="checkbox"/> Depigmentation
	<input type="checkbox"/> Broken skin	<input type="checkbox"/> Dermatitis	<input type="checkbox"/> ‘Flaky paint’
	<input type="checkbox"/> Cellulitis	<input type="checkbox"/> Impetigo	<input type="checkbox"/> Pustules
	<input type="checkbox"/> Vesicles	<input type="checkbox"/> Desquamation	<input type="checkbox"/> Macular or papular
	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Trunk	<input type="checkbox"/> Face / scalp <input type="checkbox"/> Legs





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Site of skin lesions. <i>(select any that apply)</i>	(No rash) <input type="checkbox"/> Buttocks <input type="checkbox"/> Arms <input type="checkbox"/> Perineum
	<input type="checkbox"/> Palms / soles

Suspected Chronic Conditions

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

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? <i>Select one.</i>	<input type="checkbox"/> Supplementary <i>(corn soy blend, RUSF, khichuri, halwa)</i>			<input type="checkbox"/> Therapeutic <i>(RUTF, Plumpy-nut)</i>			<input type="checkbox"/> None		
Has the child eaten these nutrition products in the last 3 days?	<input type="checkbox"/> Supplementary			<input type="checkbox"/> Therapeutic			<input type="checkbox"/> None		
Currently Breastfeeding?	<input type="checkbox"/> Y	<input type="checkbox"/> N	If yes is the child taking anything else (exclude medicine)?				<input type="checkbox"/> Y	<input type="checkbox"/> N	
If NO breastfeeding at all, age stopped in months? <i>(select one)</i>	<input type="checkbox"/> 0-3m	<input type="checkbox"/> 4-6m	<input type="checkbox"/> 7-12m	<input type="checkbox"/> >12m	<input type="checkbox"/> Unknown				
	<input type="checkbox"/> Sweetened/sugar water <input type="checkbox"/> Fruit Juice			<input type="checkbox"/> Formula/powder milk <input type="checkbox"/> Tea			<input type="checkbox"/> Animal milk <input type="checkbox"/> Other		





What did the child receive other than breast milk in the first 3 days of life? Select all that apply.	<input type="checkbox"/> Water	<input type="checkbox"/> Porridge/pulp	<input type="checkbox"/> Nothing
	<input type="checkbox"/> Pure Honey	<input type="checkbox"/> Glycerine	

Vaccinations – Ask carer or check book / card if available							
BCG scar	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Rotavirus	<input type="checkbox"/> Book	<input type="checkbox"/> Self report	<input type="checkbox"/> Not received	Doses received: 3 2 1 <input type="checkbox"/> Unknown
	<input type="checkbox"/> Book <input type="checkbox"/> Self report <input type="checkbox"/> Not received <input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	Pneumococcus	<input type="checkbox"/> Book	<input type="checkbox"/> Self report	<input type="checkbox"/> Not received	Doses received: 3 2 1 <input type="checkbox"/> Unknown
DTP/Penta			<input type="checkbox"/> Book	<input type="checkbox"/> Self report	<input type="checkbox"/> Not received	Doses received: 3 2 1 <input type="checkbox"/> Unknown	
Polio			<input type="checkbox"/> Book	<input type="checkbox"/> Self report	<input type="checkbox"/> Not received	<input type="checkbox"/> Unknown	
MenAfriVac			<input type="checkbox"/> Book	<input type="checkbox"/> Self report	<input type="checkbox"/> Not received	<input type="checkbox"/> Unknown	

Child Health		
Is the child in generally good health?	<input type="checkbox"/> Y	<input type="checkbox"/> N <input type="checkbox"/> Unknown
If No, how long has he child had this problem of generally bad health?	<input type="checkbox"/> < since birth	<input type="checkbox"/> <1month <input type="checkbox"/> > 1month
Does the child have health insurance?	<input type="checkbox"/> Y	<input type="checkbox"/> N <input type="checkbox"/> Unknown
Received medication from traditional healer, homeopathist or herbalist in last 4 weeks?	<input type="checkbox"/> Y	<input type="checkbox"/> N
Child's Health Status		
How does this child's health compare to other children of similar age in your neighbourhood? <i>Select one</i>		
<input type="checkbox"/> Similar	<input type="checkbox"/> Better	<input type="checkbox"/> Worse <input type="checkbox"/> Don't know
How did this child's health compare to his/her siblings at a similar age? <i>Select one</i>		
<input type="checkbox"/> Similar	<input type="checkbox"/> Better	<input type="checkbox"/> Worse <input type="checkbox"/> Don't know <input type="checkbox"/> Not applicable, only child



Birth History					
Source of information		<input type="checkbox"/> Maternal/caregiver recall		<input type="checkbox"/> Book/medical records	
Birth weight		___ . ___ ___ kg		<input type="checkbox"/> Unknown	
Birth details <i>Select any that apply</i>		<input type="checkbox"/> Premature		<input type="checkbox"/> Born underweight (<2.5kg)	
		<input type="checkbox"/> Twin/multiple birth		<input type="checkbox"/> Born at term	
Delivery location <i>Select one</i>		<input type="checkbox"/> Born in hospital <input type="checkbox"/> Community facility/clinic with midwife/nurse midwife/doctor <input type="checkbox"/> Home without birth attendant <input type="checkbox"/> Home with traditional birth attendant (untrained) <input type="checkbox"/> Home with midwife/nurse <input type="checkbox"/> Other <input type="checkbox"/> Unknown			
Delivery details <i>Select all that apply</i>		<input type="checkbox"/> Normal, spontaneous vaginal delivery <input type="checkbox"/> Assisted delivery (forceps, ventouse) <input type="checkbox"/> Caesarean section <input type="checkbox"/> Admitted neonatal unit <input type="checkbox"/> Mother admitted to hospital >48h			
Mother's age at first pregnancy		___ ___ years	<input type="checkbox"/> unknown	Mother's age now	
		___ ___ years	<input type="checkbox"/> unknown		
Participant birth order		___ ___ of ___ ___ total live births <i>(e.g. if youngest of 3 children 3 of 3, if oldest of 3 children 1 of 3)</i>			
Are the biological parents of this child consanguineous? <i>Ask if parents have relatives in common or are related.</i>			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		



Primary Caregiver Information			
<i>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.</i>			
Who is the Primary Caregiver? <i>Select one</i>	<input type="checkbox"/> Biological Parent <input type="checkbox"/> Grandparent <input type="checkbox"/> Sibling <input type="checkbox"/> Aunt / Uncle / Cousin <input type="checkbox"/> Stepmother / father <input type="checkbox"/> Care home /orphanage <input type="checkbox"/> Other/ Unclear		
Is the child's biological father alive?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown	Is the child's biological mother alive?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Primary Care Giver Age <i>Select one</i>	<input type="checkbox"/> <18years <input type="checkbox"/> >=18 years <input type="checkbox"/> >50years <input type="checkbox"/> N/A (care home or unclear)		
Primary Care Giver Sex <i>Select one</i>	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> N/A	Primary caregiver present at admission?	<input type="checkbox"/> Y <input type="checkbox"/> N
Has the primary caregiver lived in the same household as the child for the last 2 months?			<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A/ care home
Marital status of primary caregiver <i>Select one</i>	<input type="checkbox"/> Married/ monogamous <input type="checkbox"/> Married polygamous <input type="checkbox"/> Single <input type="checkbox"/> Separated / divorced <input type="checkbox"/> Widowed <input type="checkbox"/> N/A		
If not present at admission, where is the primary caregiver? <i>Select one</i>			
<input type="checkbox"/> Home <input type="checkbox"/> Work <input type="checkbox"/> School <input type="checkbox"/> Unknown <input type="checkbox"/> Other _____ <input type="checkbox"/> N/A			
If the primary caregiver is present, caregiver anthropometry:			
<i>Use locally available adult scales and stadiometer, and adult MUAC tapes provided by CHAIN.</i>			
<input type="checkbox"/> Primary caregiver not present during admission or care home			
Weight: _____ kg	MUAC: _____ cm	Height: _____ cm	
Education: <i>Select highest level of education achieved</i>	<input type="checkbox"/> None <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Above secondary <input type="checkbox"/> Unknown <input type="checkbox"/> N/A care home		
Able to read?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown	Is the primary caregiver primarily responsible for financial support and providing for the child?	<input type="checkbox"/> Y <input type="checkbox"/> N
Primary caregiver HIV status in last 6 months <i>Select one</i>	<input type="checkbox"/> Tested Positive <input type="checkbox"/> Tested Negative <input type="checkbox"/> Not tested or unknown		
Have there been changes to the child's social situation in the last 2 MONTHS?			
<i>Select any that apply</i>			
Child moved to a different household	Y N	Relocation from rural to urban setting	Y N
		Relocation from urban to rural setting	Y N
		Relocation to live with different caregiver	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





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

<input type="checkbox"/> Biologic Mother	<input type="checkbox"/> Biologic Father	<input type="checkbox"/> Sibling ≥18 years old	<input type="checkbox"/> Sibling <18 years old
<input type="checkbox"/> Grandparent	<input type="checkbox"/> Aunt/Uncle/Cousin	<input type="checkbox"/> Other	<input type="checkbox"/> N/A

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

<input type="checkbox"/> Employed full time by someone else	<input type="checkbox"/> Employed part time by someone else
<input type="checkbox"/> Works for self	<input type="checkbox"/> No work income
<input type="checkbox"/> Works casually/irregularly for someone	<input type="checkbox"/> Don't know

If works casually, Occupation: N/A care home

How many days worked a week? *Select one*

<input type="checkbox"/> <3	<input type="checkbox"/> 3-5	<input type="checkbox"/> >5	<input type="checkbox"/> N/A, does not work for income
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If the primary caregiver earns, main source of income? *Select one*

<input type="checkbox"/> Farmer	<input type="checkbox"/> Business/trader	<input type="checkbox"/> Labourer	<input type="checkbox"/> Domestic work
<input type="checkbox"/> Other private sector employment	<input type="checkbox"/> Public sector employment	<input type="checkbox"/> Retired with pension income	
<input type="checkbox"/> Begging	<input type="checkbox"/> Other _____	<input type="checkbox"/> N/A	

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

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

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

<input type="checkbox"/> Biologic Mother	<input type="checkbox"/> Biologic Father	<input type="checkbox"/> Stepfather	<input type="checkbox"/> Stepmother
<input type="checkbox"/> Grandparent	<input type="checkbox"/> Sibling ≥18 years old	<input type="checkbox"/> Sibling <18 years old	<input type="checkbox"/> Aunt/Uncle/Cousin
<input type="checkbox"/> More than one person responsible, unclear	<input checked="" type="checkbox"/> Unsupported / care home	<input type="checkbox"/> Other -specify _____	

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

<input type="checkbox"/> Always sleeps at home	<input type="checkbox"/> Sleeps away but returns weekly
<input type="checkbox"/> Sleeps away for > two months per year	<input type="checkbox"/> Works and lives abroad, contact with child once a year or less
<input type="checkbox"/> Sleeps away but return monthly or less often	<input type="checkbox"/> 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.

<input type="checkbox"/> Farmer	<input type="checkbox"/> Business/trader	<input type="checkbox"/> Labourer	<input type="checkbox"/> Domestic work
<input type="checkbox"/> Other private sector employment	<input type="checkbox"/> Public sector employment	<input type="checkbox"/> Retired with pension income	
<input type="checkbox"/> Begging	<input type="checkbox"/> None	<input type="checkbox"/> Unknown	<input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> N/A





Substitute Care:				
<i>Who usually looks after child when primary caretaker is working or away? Select all that apply</i>				
<input type="checkbox"/> Not applicable, caregiver looks after child full time	<input type="checkbox"/> Not applicable, child accompanies caregiver to work			
<input type="checkbox"/> No substitute care, child left alone	<input type="checkbox"/> No substitute care / unclear	<input type="checkbox"/> Child in care home		
<input type="checkbox"/> Biological Mother	<input type="checkbox"/> Biological Father	<input type="checkbox"/> Sibling <18 years old	<input type="checkbox"/> Sibling ≥18 years old	
<input type="checkbox"/> Grandparent	<input type="checkbox"/> Aunt/Uncle/Cousin	<input type="checkbox"/> Childcare facility outside home	<input type="checkbox"/> Childminder/ day care at home	
How many days a week is the child in day care?	<input type="checkbox"/> N/A	<input type="checkbox"/> 1-2	<input type="checkbox"/> 3-4	<input type="checkbox"/> 5-6
How many hours per day is the child in day care?	<input type="checkbox"/> N/A	<input type="checkbox"/> 1-4h	<input type="checkbox"/> 5-8h	<input type="checkbox"/> 9-12h
How many children are looked after at this day care?	<input type="checkbox"/> <3	<input type="checkbox"/> 4-6	<input type="checkbox"/> 7-10	<input type="checkbox"/> >10
How many of these are under 2y?	<input type="checkbox"/> <3	<input type="checkbox"/> 4-6	<input type="checkbox"/> 7-10	<input type="checkbox"/> >10
How many adults look after these children?	<input type="checkbox"/> 1	<input type="checkbox"/> 2-4	<input type="checkbox"/> 5-10	<input type="checkbox"/> >10
Do you feel the day care is good?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A	
Who provides food for the child at day care? Select one				
<input type="checkbox"/> Caregiver provides food for the child	<input type="checkbox"/> Day care provides food for the child	<input type="checkbox"/> Someone else provides food for the child	<input type="checkbox"/> Don't know	<input type="checkbox"/> N/A
Is feeding supervised / assisted at day care?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown	<input type="checkbox"/> N/A

11. 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?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
During the past 4 WEEKS Did you worry that your household would not have enough food?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Were any of your household unable to eat the kinds of food preferred because of a lack of resources?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Have any of your household had to eat a limited variety of food due to lack of resources?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Have any of your household eaten some foods that you really didn't want to eat because of lack of resources?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Have any of your household eaten fewer meals in a day because there was not enough food?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Did household members go to sleep at night hungry because there was not enough food?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown
Did you or your household members go a whole day and night without eating anything because there was not enough food?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown





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23. Child Dietary Diversity
<p>What does the child eat on a typical day?</p> <ul style="list-style-type: none"> • 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
<input type="checkbox"/> Milk and Milk Products: Fresh/fermented milk, cheese, yogurt, or other milk products
<input type="checkbox"/> Breast milk
<input type="checkbox"/> Cereals and Cereal Products: Maize, rice, pasta, porridge, bread, biscuits, millet, sorghum, wheat, locally available grains
<input type="checkbox"/> Fish and Sea Foods: fresh or dried fish or shellfish
<input type="checkbox"/> Roots and Tubers: potatoes, sweet potatoes, yams, cassava, or foods made from roots or wild roots and tubers
<input type="checkbox"/> Vegetables: Cabbages, carrots, spinach, and any other locally available vegetables including wild vegetables
<input type="checkbox"/> Fruits: Oranges, bananas, mangoes, avocados, apples, grapes etc
<input type="checkbox"/> 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
<input type="checkbox"/> Eggs: Hen or other bird eggs
<input type="checkbox"/> Pulses / Legumes / Nuts and Seeds: Beans, peas, lentils, nuts, seeds or foods made from these
<input type="checkbox"/> Fats and Oils: Oil, fats, ghee, margarine or butter added to food or used for cooking
<input type="checkbox"/> Sugars / Honey and Commercial Juices: Sugar in tea, honey, sweetened soda, juices, chocolates, sweets or candies
<input type="checkbox"/> Miscellaneous: Spices, unsweetened beverages
<input type="checkbox"/> UNKNOWN

Feeding Practices	
How is food USUALLY given to the child? Select one	
<input type="checkbox"/> Fed by adult	<input type="checkbox"/> Child feeds self, unsupervised
<input type="checkbox"/> Child feeds self, supervised by adult	<input type="checkbox"/> Fed from common plate or bowl
<input type="checkbox"/> Child feeds self, supervised by older children	<input type="checkbox"/> Child exclusively breastfed

household wealth (DHS 7 questionnaire. Please answer all questions)		
What is the main source of drinking water for members of your household? Choose one		
<input type="checkbox"/> Piped water to dwelling	<input type="checkbox"/> Cart with small tank	<input type="checkbox"/> Bought from vendor
<input type="checkbox"/> Piped water to yard / plot	<input type="checkbox"/> Tanker truck	<input type="checkbox"/> Rainwater
<input type="checkbox"/> Piped to neighbour	<input type="checkbox"/> Bottled water	<input type="checkbox"/> Stream/river/lake/pond/dam
<input type="checkbox"/> Public tap/ Standpipe	<input type="checkbox"/> Protected spring	<input type="checkbox"/> Unknown
<input type="checkbox"/> Protected well / borehole	<input type="checkbox"/> Unprotected spring	



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

<input type="checkbox"/> Unprotected well	<input type="checkbox"/> Other		
What is the MAIN source of water used by your household for other purposes such as cooking and handwashing? SELECT ONE ONLY			
<input type="checkbox"/> Piped water to dwelling	<input type="checkbox"/> Cart with small tank	<input type="checkbox"/> Bought from vendor	
<input type="checkbox"/> Piped water to yard / plot	<input type="checkbox"/> Tanker truck	<input type="checkbox"/> Rainwater	
<input type="checkbox"/> Piped to neighbour	<input type="checkbox"/> Bottled water	<input type="checkbox"/> Stream/river/lake/pond/dam	
<input type="checkbox"/> Public tap/ Standpipe	<input type="checkbox"/> Protected spring	<input type="checkbox"/> Unknown	
<input type="checkbox"/> Protected well / borehole	<input type="checkbox"/> Unprotected spring		
<input type="checkbox"/> Unprotected well	<input type="checkbox"/> Other		
How long does it take to get water and come back? (State 0 if water supplied within home or compound)	___ minutes	<input type="checkbox"/> Don't know	
In the past 2 weeks was the water from this source not available for at least one full day?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Unknown	
Do you usually do anything to the water to make it safer to drink? Select all that apply			
<input type="checkbox"/> None	<input type="checkbox"/> Bleach/ chlorine	<input type="checkbox"/> Strain through a cloth	<input type="checkbox"/> Let it stand and settle
<input type="checkbox"/> Use water filter (ceramic/sand/composite etc)	<input type="checkbox"/> Solar disinfection	<input type="checkbox"/> Boil	<input type="checkbox"/> Other

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





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





Does this household own any livestock, herds, other farm animals or poultry	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> 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 __ __	<input type="checkbox"/> N/A
Does any member of this household own land?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
If "Yes" How many acres of land does this household own?	__ __Acres	<input type="checkbox"/> Unknown	<input type="checkbox"/> N/A
Does this household have a bank account?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does this household have electricity	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does this household own a radio?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does this household own a television?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does this household own a computer?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does this household own a refrigerator?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
Does any member of this household own:			
A watch	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
A mobile phone?	<input type="checkbox"/> Y Standard phone	<input type="checkbox"/> Y smartphone	<input type="checkbox"/> N <input type="checkbox"/> Unknown
An animal-drawn cart?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
A bicycle?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
A motorcycle / scooter?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
A car or truck?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown
A boat with a motor?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Unknown



11. Immediate Clinical Investigations and HIV status						
Malaria RDT <i>circle result</i>	Positive		Negative		Not done	
Blood glucose	___ . ___ mmol/L		Time glucose measured		___:___ 24h clock <input type="checkbox"/> Unknown	
Urine Dipstick <i>(can be done at any time during admission)</i> <input type="checkbox"/> Not done <input type="checkbox"/> Bag <input type="checkbox"/> Clean catch	Protein	Nitrites	Leucocytes	Blood	Ketones	Glucose
	None + ++ +++	Pos Neg	None + ++ +++	None + ++ +++	None + ++ +++	None + ++ +++
HIV status known?	<input type="checkbox"/> Yes, known PCR positive <input type="checkbox"/> Yes, antibody positive, unknown PCR status <input type="checkbox"/> Yes, known exposed, known PCR negative (children under 18m with PCR result SEEN BY RESEARCH TEAM. If not seen select below and perform HIV RDT <input type="checkbox"/> No, known to be HIV exposed, but child untested <input type="checkbox"/> No, child not tested, not known to be exposed					
If child known HIV positive or exposed	On any ART?	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown		If on treatment, ARV 1 _____ ARV 2 _____ ARV 3 _____	If on prophylaxis <input type="checkbox"/> Nevirapine prophylaxis only <input type="checkbox"/> AZT + NVP prophylaxis <input type="checkbox"/> Caregiver unsure	
	Co-trimoxazole <i>select one</i>	<input type="checkbox"/> On prophylactic dose co-trimoxazole <input type="checkbox"/> On high dose co-trimoxazole		<input type="checkbox"/> Not on co-trimoxazole	<input type="checkbox"/> Caregiver unsure	
If not known positive	HIV RDT now <i>select one</i>	<input type="checkbox"/> Reactive / positive		<input type="checkbox"/> Non-Reactive / Negative		<input type="checkbox"/> Declined
		PCR sent: <input type="checkbox"/> Y <input type="checkbox"/> N				
Referred to HIV clinic	<input type="checkbox"/> Yes <input type="checkbox"/> No (select 'No' if referral not indicated)					
HIV test offered to caregiver?	<input type="checkbox"/> Yes, Reactive <input type="checkbox"/> Yes, Non-reactive <input type="checkbox"/> Yes, but Declined <input type="checkbox"/> No, Caregiver is known positive <input type="checkbox"/> Missed <input type="checkbox"/> N/A child in care home					
Did the mother have interventions or medication during delivery to prevent transmission of HIV to baby?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					



11. Admission Core Cohort Investigations and Sample Collection				
CBC taken	<input type="checkbox"/> Y	<input type="checkbox"/> N	Plain Blood (serum)	<input type="checkbox"/> Y <input type="checkbox"/> N
Clinical chemistry taken	<input type="checkbox"/> Y	<input type="checkbox"/> N	Blood spot taken	<input type="checkbox"/> Y <input type="checkbox"/> N
EDTA 2ml blood taken	<input type="checkbox"/> Y	<input type="checkbox"/> N		
EDTA 0.5ml blood taken	<input type="checkbox"/> Y	<input type="checkbox"/> N		
Date Taken	Date taken __ / __ / __ D D / M M / Y Y Y Y		Time taken ____ : ____	
Unable to take blood samples, why?	<input type="checkbox"/> Difficult venepuncture <input type="checkbox"/> Child uncooperative <input type="checkbox"/> Parent refused <input type="checkbox"/> Other			
Rectal swabs taken	<input type="checkbox"/> Y BEFORE ABX <input type="checkbox"/> Y AFTER ABX	<input type="checkbox"/> N	Number taken <input type="checkbox"/> 1 <input type="checkbox"/> 2	Time taken ____ : ____
Stool sample	Taken in first 24h? <input type="checkbox"/> Y <input type="checkbox"/> N	Date taken __ / __ / __ D D / M M / Y Y Y Y	Time taken ____ : ____	

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

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

