

Supplementary 1: Questionnaire

HOUSEHOLD IDENTIFICATION PARTICULARS (HI)			
NO.	QUESTIONS	RESPONSE	
HI01	Date of interview (day/month/2018)	___/___/2018	
HI02	Start time		
HI03	Village		
HI04	Household Sample Number		
HI05	Name of data collector		
HOUSEHOLD SOCIOECONOMIC AND DEMOGRAPHIC CHARACTERISTICS (HD)			
NO.	QUESTIONS	RESPONSE AND CODING CATEGORIES (Circle the code that is given by the respondent)	SKIP PATTERNS AND IMPORTANT NOTES
HD01	Gender	1= Female 2= Male	
HD02	How old are you? (as of last birthday, record age in complete years)	_____ years	
HD03	To which tribe do you belong?	1= Dinka 2= Nuer 3= Kuku 4= Kakwa 5= Madi 6= Siluk 7= Other (specify) _____	
HD04	What is your religion?	1= Catholic 2= Anglican 3= Muslim 4= Pentecostal 5= Seventh Day Adventists (SDA) 6= Other (specify) _____	
HD05	What is your marital status?	1= Single 2= Married/cohabiting 3= Widowed 4= Divorced/separated	
HD06	Have you ever attended school?	1= Yes 2= No	→ Skip to HD08
HD07	What is your highest level of education attained?	1= Primary (P1 to P7) 2= O level (S1 to S4) 3= A level (S5 to S6)	

		4= Tertiary/ University	
HD08	How many people live in your household? (include both children and adults)		
HD09	How long have you lived in Rhino camp?	_____ (years) _____ (Months)	
THE NEXT QUESTIONS ASK ABOUT DIARRHEAL DISEASES (DD)			
DD01	During the past 30 days has anyone in your family suffered from diarrheal diseases	1= Yes 2= No	
DD02	What do you think can cause diarrhea?	1=Bad/ dirty water 2= Bad/dirty food 3= Poor hygiene 4= Feces/ defecating in the open 5= Dirty hands 6= Germs 7= Flies 8= Other (specify) _____ 9= Do not know	
DD03	Do you think diarrhea can be prevented?	1= Yes 2= No 3= Don't know	→ Skip to HWA01
DD04	What are some of the ways of preventing diarrhea?	1= Wash hands 2= Use soap 3= Use toilet facility to defecate 4= Dispose children's feces in toilet 5= Bury feces 6= Drink clean water 7= Store water safely 8= Treat water (boil, filter, chlorinate) 9= Prepare food hygienically 10= Dispose of rubbish in pit 11= Breast feeding 12= Measles vaccination 13= Good nutrition 14= Other (specify) _____ 15= Do not know	
THE NEXT QUESTIONS ASK ABOUT THE HAND WASHING FACILITIES AT THE HOUSEHOLD LEVEL (HWA)			
NO.	QUESTIONS	RESPONSE AND	SKIP PATTERNS

		CODING CATEGORIES (Circle the code that corresponds with the response given by the respondent)	
HWA01	Does the household have a functioning hand washing station (Please observe only)	1= Yes 2= No	➤ Skip to HWA08
HWA02	What type of handwashing station is it?	1= Oxfam Buckets 2= Tippy taps 3= Bush proof hand washing containers 4= Hand washing bags 5= Other (specify)	
HWA03	Where is the handwashing facility located?	1= Next to the toilet 2= Next to the kitchen 3= Next to the house 4= Other (specify)	
HWA04	Is the handwashing facility supplied with water? (Please observe to see if there is water within the water storage container of the hand washing facility)	1= Yes 2= No	
HWA05	Is their soap at hand washing facility (Please observe)	1= Yes 2= No	
HWA06	Does the hand washing facility include resources for hygienic hand drying?	1= Yes 2= No	
HWA07	How many people use the handwashing station	_____ people	
HWA08	If there is no hand washing facility within the household. What is the main reason for it being absent?	_____ _____ _____	
HWA09	What is your household main source of water?	1=Own tap 2=Borehole 3=Stream/river 4=Public tap 5=Protected well 6=Unprotected well 7=Other (specify)	

HWA10	What is the distance to the main source of water (15 minutes= 1km)	1= Within 500m 2= 1 to 2km 3= Other (Specify)	
HWA11	Do you use any soap in your household?	1= Yes 2= No	➤Skip to KHW01
HWA12	What is your main source of soap?	1= Retail shops 2= Donations from organizations 3= Other (specify)	
HWA13	What is soap reserved for in your household (high priority usage areas)? Rank in order of priority 1,2,3,4 (1=very high 2=High 3= Low 4= Very low)	Laundry..... Washing dishes..... Bathing..... Handwashing.....	
HWA14	Where does your household prefer keeping the soap?	1= Place on a shelf in the kitchen or on top of a kitchen cupboard 2= Keep soap under furniture such as bed 3= Keep soap on a dish rack near the toilet 4= No specific place for washing hands 5= Far from main house 6= At communal handwashing facility 7= At a place where children cannot reach 8= Other (specify)	
HWA15	Is soap always available for hand washing at critical times of handwashing?	1= Yes 2= No	➤Skip to KHW01
HWA16	What are the main reasons for not using soap for handwashing at the critical times?	1= Cost of soap (cannot afford) 2= Not available in area shops 3= No soap is available in the house 4= Other (specify)	
HWA17	In case soap is not available, what do you use for hand washing?	1= Ash 2= Mud 3= Nothing 4= Other (specify)	

HWA18	What would it take you to make handwashing with soap at critical times a habit?	1= Ease access of water 2= Able to afford soap 3= Ease access to ash and water 4= Other (specify)	
THE NEXT QUESTIONS ASK ABOUT KNOWLEDGE ABOUT HAND WASHING WITH SOAP (KHW)			
KHW01	When are the critical times when handwashing with soap should be done?	1= After visiting the toilet 2= Before handling food 3= After handling food 4= After cleaning babies bottom 5= Other (specify) <hr/> 6= Do not know	
KHW02	What is the primary purpose of hand hygiene?	1= To reduce germs on hands 2= To keep hands clean 3= To keep nails clean 4= Do not know 5= To keep the hands smooth 6= To avoid diseases 7= Other	
KHW03	Does Human feaces contain germs?	1= Yes 2= No 3= Do not know	
KHW04	Does human urine contain germs?	1= Yes 2= No 3= Do not know	
KHW05	Does poor hand washing cause disease?	1= Yes 2= No 3= Do not know	
KHW06	Is water only enough for hand washing?	1= Yes 2= No 3= Do not know	
KHW07	Is it necessary to wash hands with soap?	1= Yes 2= No 3= Do not know	
KHW08	If, yes, why would you use soap	1= Personal care 2= Attraction 3= Health (freedom from germs and diseases) 4= Other (specify) <hr/>	
THE NEXT QUESTIONS ASK ABOUT PARTICIPATION IN HOUSEHOLD VISITS AIMED AT PROMOTING HAND WASHING (HHP)			

HHP01	Have you received a household visit from a hygiene promoter to educate you about hand washing in the last 6 months?	1= Yes 2= No	→ End Interview
HHP02	Which hand washing information is mostly disseminated during the household visits?	1=Why you should wash hands 2=Why you should use soap to wash hands 3=Why you should wash hands with clean water 4=When you should wash hands 5=What to do if you witness a person not washing hands after a critical time 6=Location to place soap 7=Other	
HHP03	Did they demonstrate to you how to wash your hands properly?	1= Yes 2= No	
HHP04	Did they demonstrate to how to build your hand washing station?	1= Yes 2= No	
HHP05	Did they come with any materials like educational posters, charts about handwashing in any of their visits?	1= Yes 2= No	
HHP06	In your opinion how would you rate the household visits by the hygiene promoters?	1= Excellent 2= Good 3= Fair 4= Bad/poor 5= Very poor 6= Do not know	