

Knowledge, Attitudes, and Practices Related to Treatment and Prevention of Cholera, Haiti, 2010

Technical Appendix

The following pages show a household questionnaire that was pilot tested and administered to 405 households from 27 clusters from resources-limited areas of Cité Soleil, Delmas, Carrefour, and Pétion-Ville, Haiti. The questionnaire was part of a survey conducted during December 6–7 and 14–16, 2010, to assess the effectiveness of interventions implemented to prevent the spread of cholera and to improve specific response activities in these neighborhoods.

ENUMERATOR: _____
 DATE: (day, month, 2010) _____

SUPERVISOR: _____
 HOUSEHOLD CODE: _____

SURVEY ON KNOWLEDGE, ATTITUDES, AND PRACTICES RELATED TO TREATMENT AND PREVENTION OF CHOLERA, HAITI, 2010

Potopwens, Ayiti

Q#	QUESTION	RESPONSE
GENERAL		
G1	Name of commune	<u>G1COM</u> Name of Commune: _____
G2	Section Communale	<u>G2SECCOM</u> Section Communale: _____
G3	Localité	<u>G3LOCAL</u> Localité: _____
G4	House Code	<u>G4HHID</u> House Code : _____
G5	GPS Coordinates (North)	<u>G5GPSN</u> GPS Coordinates (North): _____
G6	GPS Coordinates (West)	<u>G6GPSW</u> GPS Coordinates (West): _____
DEMOGRAPHIC INFO		
I1	How old are you ?	<u>I1AGE</u> _____ (years)
I2	What sex ?	<u>I2SEX</u> 1. Female 2. Male
I3	How many people live in this house ?	<u>I3HHPL</u> _____ (people)
I4	Is there a radio that works in this house ?	<u>I4RADIO</u> 1. Yes 2. No
I5	Is there a TV that works in this house ?	<u>I5TV</u> 1. Yes 2. No
I6	Is there a cell phone that works in this house ?	<u>I6CELL</u> 1. Yes 2. No
I7	Can the female chief of household read a sentence in Creole ? <i>(If yes, give her a sentence to read in Creole).</i>	<u>I7READ</u> 1. Reads easily 2. Reads with some difficulty 3. Cannot read 4. N/A, no female head of household home
I8	What's the last level of education completed by the female head of household ?	<u>I8FEDUC</u> 1. Did not go to school 2. Some primary school 3. Completed primary school 4. Some secondary school 5. Completed secondary school 6. University / higher education

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

WATER – IN THE PAST / BEFORE CHOLERA		
W1	Before the cholera outbreak, what was your principle of drinking water? <i>(Circle only one response)</i>	<u>W1PRESOURCE</u> 1 CAMEP/Network 2 Water in CAMEP fountain 3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well 9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify) _____
W2	Before cholera, did you drink water most of the time directly from the source, or did you do something to it before drinking it ? <i>(Circle only one response)</i>	<u>W2PRESAFE</u> 1. Drank water directly from source <i>(Go to W4)</i> 2. Treated water first
W3	What did you do to treat your drinking water ? <i>(Do not read ; circle all methods mentioned)</i>	<u>W3PRETRT</u> 1. Boiled water 2. Jif/Clorox 3. Aquatabs 4. PuR 5. Gadyen Dlo, or Dlo Lavi 6. Filter: _____ (type of filter) 7. Solar 8. Let water settle if murky 9. Other answer _____
WATER – NOW – AFTER CHOLERA OUTBREAK		
W4	Since cholera, what is your principle drinking water source ? <i>(Circle only one response).</i>	<u>W4SOURCE</u> 1 CAMEP/Network 2 Water in CAMEP fountain 3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well 9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify) _____
W5	Since cholera, where else do you get drinking water ? <i>(Circle only one response)</i>	<u>W5OTHERSOURCE</u> 1 CAMEP/Network 2 Water in CAMEP fountain 3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

		9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify
W6	Since cholera, do you drink your water directly or treat it most of the time?	<u>W6SAFE</u> 1. Drink Directly (Go to W7) 2. Treat it (Go to W6A)
W6A	How do you treat your water ?	<u>W6AHOWTREAT</u> 1. Boiled water 2. Jif/Clorox 3. Aquatabs 4. PuR 5. Gadyen Dlo, or Dlo Lavi 6. Filter: _____ (type of filter) 7. Solar 8. Let water settle if murky 9. Other answer
W7	Where do you get water for cooking, bathing, and housework ? <i>(Read the list ; circle each response mentioned)</i>	<u>W7HHWAT</u> 1 CAMEP/Network 2 Water in CAMEP fountain 3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well 9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify

SANITATION

S1	Where do you usually defecate? <i>(Circle only one response)</i>	<u>S1LATRINE</u> 1. Latrine with cement slab 2. Latrine without cement slab 3. Trench Latrine 4. Canal or Open defecation(Go to K1) 5. Toilet Mobile (Go to K1) 6. Elevated toilet (Go to K1) 7. Private toilet 8. Plastic bag (Go to K1) 9. Other _____ (Go to K1)
S2	How many households share this latrine ?	<u>S2LATUSE</u> _____ (number of households)
S3	Where is the latrine located ?	<u>S3LATLOCATION</u> 1. In a camp 2. In a neighborhood 3. In a public location (school, hospital, etc) 4. In a private home 5. Other _____

KNOWLEDGE

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

<p>K1</p>	<p>Can you tell me the symptoms of cholera ? Symptoms are signs that tell us that someone is sick, for example, coughing, headache, etc. (Do not read ; circle each response mentioned and ask what else after each repsons?).</p>	<p><u>K1SYMPTOMS</u> 1. Watery diarrhea 2. Diarrhea 3. Vomiting 4. Fever 5. Dehydration 6. No appetite 7. Fatigue 8. Stomach ache 9. Other _____ 10. Don't know</p>
<p>K2</p>	<p>Can you tell me how people can contract cholera ? (Do not read ; circle each response mentioned and ask what else ?).</p>	<p><u>K2CONTRACT</u> 1. Drinking contaminated or untreated water 2. Eating contaminated or undercooked food 3. Unpleasant odors 4. Flies 5. Not washing hands 6. Contact with someone sick with cholera or someone who died from cholera 7. Swimming 8. Other _____ 9. Unknown</p>
<p>K3</p>	<p>What's the best way for a health worker to share information with you and your neighbors about cholera ? (Read the list ; circle more than one response.)</p>	<p><u>K3REACH</u> 1. Doctor, nurse, other healthcare worker 2. SMS 3. TV 4. Newspaper 5. Printed flyers 6. Public health officials Radio 7. Community meeting 8. Church 9. Radio 10. Community health worker 11. Truck with megaphone 12. Other _____</p>
<p>K4</p>	<p>Please tell me all of the ways you know to protect yourself against cholera (Do not read ; circle all answers mentioned)</p>	<p><u>K4PROTECT</u> 1. Boil or treat your water 2. Use latrines 3. Wash hands with soap and water 4. Cook food well 5. Wash fruits and vegetables 6. Clean your home with bleach 7. Other _____</p>
<p>K5</p>	<p>If you thought someone in your family had cholera, where would you seek treatment ?</p>	<p><u>K5SEEKCARE</u> 1. Treat at home (GO to K5A) 2. Go to health facility(GO to K5B)</p>
<p>K5A</p>	<p>Why would you not seek care away from home ?</p>	<p><u>K5AWHYNOTSEEK</u> 1. Waiting to see if ORS works 2. No Security 3. Transportation not available 4. No money to pay for treatment</p>

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

		5. Transportation not affordable 6. Because I drink ORS 7. I will try traditional healers first 8. No room at the treatment center (too much waiting) 9. Other _____
K5B	How long would you wait to go to the health center, hospital, or CTC ? What is the largest you would wait to go to the hospital/ health center/CTC ?	<u>K5BWHENSEEK</u> 1. Less than 2 hours 2. More than 2 hours 3. After one day 4. Don't know
K6	Has anyone in your home had cholera ?	<u>K6CHOLERA</u> 1. Yes 2. No (Go to DS1)
K7	Did the sick person take ORS or sugar salt solution?	<u>K7ORSTAKE</u> 1. Yes 2. No
K8	Where did the sick person seek treatment ? <i>(Circle each response mentioned).</i>	<u>K8WHERE</u> 1. Health center, clinic, hospital 2. CTC 3. Dispensary, pharmacy 4. Traditional healer : houngan, bòkò, 5. Other _____ 6. Did not seek treatment outside of the house 7. Don't know
DISTRIBUTION - SOAP		
DS1	In the past month, did you receive (for free or during a distribution) hand soap ? <i>If yes, how many bars of hand soap ?</i>	<u>DS1GOTSOAP</u> 1. Yes, _____ (bars of soap) 2. No
DS2	Have you purchased any hand soap since the cholera epidemic started ?	<u>DS2BUYSOAP</u> 1. Yes 2. No
DS3	Do you have handsoap or powered soap now ?	<u>DS3HANDSOAPNOW</u> 1. Yes 2. No
DS4	Do you use soap or detergent when you wash your hands ?	<u>DS4HANDSOAPCONFIRM</u> 1. Always 2. Sometimes 3. Never
DISTRIBUTION – ORS		
DO1	Do you have any ORS now home?	<u>DO1ORSNOW</u> 1. Yes 2. No
DO2	Do you know how to use/prepare ORS? <i>(Circle only one answer).</i>	<u>DO2INSTORS</u> 1. Yes 2. No (Go to DO5) 3. Don't know (Go to DO5)
DO3	How to prepare ORS, how much water do you mix with one sachet of ORS ? <i>(Do not read ; circle each response mentioned.)</i> <i>Choose one</i>	<u>WaterORS1</u> Small Coke Bottles <u>WaterORS2</u> Large Coke Bottles <u>WaterORS4</u> Other _____

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

DO4	After you finish preparing a sugar-salt solution or ORS, how long can you keep it until it goes bad ?	<u>DO4HOWLONG</u> 1. Have to use it right away – within an hour 2. Within 5 hours 3. Within 24 hours 4. More than one day 5. Don't know
DO5	If you don't have ORS what else you can use ?	<u>DO5ORSELS</u> 1.Sugar-salt solution 2.Water 3.Juce 4.Other
DISTRIBISYON – TRETMAN DLO		
DT1	Have you heard about any of these products : <i>(Read each choice and circle responses.)</i>	<u>DT1DLOLAVIDIST</u> Dlo Lavi 1. Yes 2. No <u>DT1AQUATABDIST</u> Aquatabs 1. Yes 2. No <u>DT1GADYENDLODIST</u> Gadyen Dlo 1. Yes 2. No <u>DT1JIF/CLOROXDIST</u> Jif/Clorox 1. Yes 2. No
DISTRIBISYON - AQUATABS		
DA1	In the past month did you receive Aquatabs ? <i>If so, How many tabs ?</i>	<u>DA1GOTAT</u> 1. Yes, _____ (tabs) 2. No
DA2	In the past month have you bought any Aquatabs ?	<u>DA2BOUGHTAQUATAB</u> 1. Yes 2. No
DA3	Do you know how to use Aquatabs ?	<u>DA3INSTAT</u> 1. Yes 2. No (Go to DA8) 3. Don't know (Go to DA8)
DA4	<i>How many pills of Aquatabs do you use for 5 gallons of water?</i>	<u>DA4NUMUSE</u> Number of Aquatabs : _____
DA5	<i>What size of Aquatabs do you use ?</i>	<u>DA5SIZEUSED</u> Size of Aquatabs : _____
DA6	<i>How much water do you use to treat water with Aquatabs every day?</i>	<u>DA6LITERSUSED</u> Liters of Water : _____
DA7	After you add Aquatabs to water, can you drink immediately or should you wait before drinking?	<u>DA7ATWAIT</u> 1. Drink right away (Go to DA8) 2. Let it sit (Go to DA7A) 3. Don't know (Go to DA8)
DA7A	How long should you let it sit ?	<u>DA7AHOWLONGSIT</u> Mintues : _____
DA8	If you had them, would you use Aquatabs to treat your drinking water ?	<u>DA8ATDRWAT</u> 1. Yes

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

		2. No
DA9	Have you ever tasted water with Aquatabs ?	<u>DA9WTAERAQUATABS</u> 1. Yes 2. No (Go to DA10)
DA9A	What do you think of the taste of water treated with Aquatabs ? <i>(Circle just one response)</i>	<u>DA9ATTASTE</u> 1. Strong taste, I don't like it 2. Some taste, but it's fine 3. No taste 4. Never taste it
DA10	Do you think the water from the pipe (CAMEP) is safe to drink ?	<u>DA10CAMEPSAFE</u> 1. Yes 2. No 3. Don't Know
DA11	Do you think the water from a kiosk (Eau Miracle, etc) is safe to drink ?	<u>DA11KIOSKSAFE</u> 1. Yes 2. No 3. Don't Know
DA12	Do you think the water from a bladder or a tank is safe to drink ?	<u>DA12BLADDERSAFE</u> 1. Yes 2. No 3. Don't Know
DA13	Do you think the water from a borehole is safe to drink ?	<u>DA13BOREHOLESAFE</u> 1. Yes 2. No 3. Don't Know
DA14	Which source of water do you think is safe to drink? <i>(Do not read ; circle each response mentioned.)</i>	<u>DA14WATERSAFE</u> 1 CAMEP/Network 2 Water in CAMEP fountain 3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well 9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify)
OBSERVATION		
O1	Can you show me how you wash your hands ? (Observe how the person washes the hands and circle the answers that correspond to the person does)	<u>O1HANDWASH</u> 1. Water only 2. Soap and water 3. Powdered or liquid detergent and water 4. Ashes and water 5. Dirt/sand/mud and water 6. Don't wash hands 7. Cannot demonstrate, no soap and/or water in home 8. Other _____
O2	What source did this water come from ? <i>(Circle only one response)</i>	<u>O2WATSOURCE</u> 1 CAMEP/Network 2 Water in CAMEP fountain

ENUMERATOR: _____
 SUPERVISOR: _____

HOUSEHOLD CODE: _____

		3 Kiosk 4 Bladder 5 Another water vendor 6 Borehole 7 Tank filled by truck 8 Open Well 9 Sachet 10 Rainwater 11 Basin Prive 12 Other (specify
03	Is the water container covered ?	<u>O3WATCOV</u> 1. Yes 2. No
04	Was this water treated with Aquatabs, Jif, or Clorox?	<u>O4WATTRT</u> 1. Yes 2. No
05	How long ago was it treated? <i>(Si tan plis yon jouneen, makè 24+.)</i>	<u>O5WHENTRT</u> _____ (hours)
06	Test and measure the chlorine level in the stored water <i>(Make X, si-l pa stoke dlo oubyen refize ; Makè 0 si pa koulè dlo-a pa chanje di tou).</i>	<u>O6CHLORINE</u> _____ mg/l