

Date: \_\_\_\_\_ Initials: \_\_\_\_\_ Continuation Date: \_\_\_\_\_ Time (mn): \_\_\_\_\_

Form Approved  
OMB No. 0920-1118  
Expires 12/31/2016

### ATTACHMENT C: Initial Telephone Interview

Hello, [respondent name], my name is \_\_\_\_\_. I am calling from the Puerto Rico Department of Health

The purpose of this call is to assess the different services that are offered to pregnant women to protect themselves and their babies from Zika. Do you have time to answer some questions about what you are doing and what assistance you might have received?

No (end call)

Yes,

Before we start, *are you over 18 years of age?*

Are you currently pregnant?

No (end call)

Yes (continue)

How many months pregnant are you? \_\_\_\_\_ months (write number)

#### SECTION 1. Introduction

Great! Thank you for your willingness to share your opinions with me. This will help us provide better services and support for you and your baby, and pregnant women in Puerto Rico in general.

Before I begin I want to go over a couple of items:

- This interview is voluntary. You can decline to answer any question and you can end our conversation at any time
- If we get disconnected, I will call you back.
- There are no right or wrong answers. I am interested in your opinion. If you don't understand the question, feel free to let me know and I can ask it another way.
- This is not a test, so feel free to say you don't know or don't have an opinion to offer
- The information you provide today will not be shared with anyone except those involved in this project. It's important to know that the questions I'm about to ask you will not affect any of the services you are receiving. Our reports will include the responses of ALL the women who talk with us. Your answers cannot be linked back to you.
- Do you have any questions before we begin?

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1. What have you heard about Zika? (*Do not read, tick all mentioned*)

Pregnant women should try not to get it  
It causes microcephaly or brain defects in babies  
People get it from mosquitoes, so should avoid getting bitten  
It can be transmitted by sex from a man to a woman  
People in Puerto Rico are getting infected with Zika – the virus is here  
Most people who have it, don't know it (can have Zika and have no symptoms)  
It causes fever, rash, and conjunctivitis  
There is no treatment for Zika  
There is no vaccine for Zika  
It can be life-threatening – can cause paralysis, GBS  
People should wear repellent  
People should wear clothing that covers  
People should eliminate standing or accumulated water  
People should put screens on windows and doors  
It is like Dengue and Chikungunya  
It is dangerous  
Haven't heard anything  
Other, please specify:  
Refused [DO NOT READ]

2. In the past month, how often have you and your family members and friends talked about Zika?

Not at all  
Only once or twice  
Sometimes  
Often  
Every day  
Refused [DO NOT READ]

3. How concerned are you about Zika virus for yourself and your baby?

Not at all concerned  
Slightly concerned  
Somewhat concerned  
Moderately concerned  
Extremely concerned  
Refused [DO NOT READ]

4. In your opinion, how likely do you think it is that you will be infected with Zika virus during your pregnancy (or while you are pregnant)?

Extremely unlikely  
Unlikely  
Neutral - Neither unlikely nor likely  
Likely  
Extremely likely  
I already have Zika [DO NOT READ]  
Refused [DO NOT READ]

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And Why? [WRITE ANSWER TO WHY?]

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5. How confident are you in your ability to protect yourself from getting infected with Zika virus during your pregnancy?

- Not confident at all
- Somewhat unconfident
- Neutral - Neither unconfident nor confident
- Confident
- Very confident
- Refused [DO NOT READ]

And Why? [WRITE ANSWER TO WHY?]

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6. What actions have you taken to protect yourself from getting infected with the Zika virus since you found out you were pregnant? (*Do not read, tick all mentioned*)

- Used mosquito net at night
- Used mosquito net during the day
- Used mosquito repellent or spray on your body
- Worn clothes that cover my arms and legs (long sleeved shirts and pants)
- Used mosquito coil/light fires to keep mosquitoes away
- Used a condom/had my partner use a condom in all sexual relations
- Abstained from sexual intercourse
- Cleaned/scrubbed water source/storage unit/water container(s)
- Put cover(s) over the water source/storage unit/water container(s)
- Removed accumulated water
- Sprayed or fumigated inside my home
- Sprayed or fumigated outside of my home
- Used larvicides (like mosquito dunks)
- Put screens on windows and doors
- Cleaned household environment
- Drank clean water
- Washed I clean water
- Prayed to God
- No answer
- Wore light-colored clothing (no dark clothes)
- Don't go outside at all
- Don't go outside at night
- Closed windows and doors
- Cut grass
- Used air conditioning
- Go to doctor
- Got tested and/or got my partner tested for Zika

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Looked for more information about Zika

Other, please specify: \_\_\_\_\_

Refused [DO NOT READ]

7. Have you made any changes to your routine since learning more about Zika virus and the risk to your pregnancy?

Yes, what? (Capture verbatim responses)

No, why? (Capture verbatim responses)

Refused [DO NOT READ]

**SECTION 2. Communication/WIC Education/CDC Foundation campaign exposures**

8. Are you seeing, hearing, or reading messages about how to prevent Zika?

Yes

Where? (*Do not read, tick all mentioned*)

Doctor

WIC

Family & friends

Community meetings/gatherings

TV public service announcements

TV news

Radio news

Printed news (newspapers)

Posters

Billboards

Internet or world wide web

Social media

Facebook

Twitter

Instagram

Church

Work

University

Child's school

Hospital

Google

Neighbors

Family planning

Laboratory

Other, please specify: \_\_\_\_\_

No

Refused [DO NOT READ]

9. Have you been oriented at WIC about Zika?

Yes

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- No
- Don't know/not sure [DO NOT READ]
- Refused [DO NOT READ]

10. Have you received educational materials (handouts, written information) about Zika from WIC?

- Yes
- No
- Don't know/not sure [DO NOT READ]
- Refused [DO NOT READ]

11. In the past month, do you remember seeing, hearing, or reading any TV, radio, newspaper, or online advertising about [a FAKE campaign name- "Musicians against Zika"]?

- Yes
- No
- Don't know/not sure [DO NOT READ]
- Refused [DO NOT READ]

12. In the past month, do you remember seeing, hearing, or reading any TV, radio, newspaper, or online advertising about [CDC Foundation campaign name]?

- Yes
- No
- Don't know/Not sure [DO NOT READ]
- Refused [DO NOT READ]

13. Now, I am going to describe an ad you may or may not have seen on TV. You may or may not have seen the following ad because it is NOT running in all parts of Puerto Rico. But in the past month, have you happened to have seen an ad that shows [INSERT ad description of CDC Foundation campaign].

- Yes
- No
- Don't know/Not sure [DO NOT READ]
- Refused [DO NOT READ]

14. Now I'm going to read a list of a few types of communication you may or may not have heard about. Which of the following have you seen or heard about? [REPEAT as necessary for other types of communication]

Message	Yes	No	Don't know/not sure	Refused

**SECTION 3. Questions about Zika Prevention Kits**

Description: *The Zika Prevention Kit is a tote bag that contains educational information from the Puerto Rico Health Department and the Centers for Disease Control and Prevention about how to prevent Zika infection while you are pregnant along with items that could help prevent Zika virus infection. Items in the kit include: a mosquito bed net, mosquito repellent, condoms, and some include mosquito dunks (larvicide) and thermometers.*

15. Have you heard about Zika Prevention Kits?

- Yes
- No
- Refused

16. Have you been offered a Zika Prevention Kit?

- Yes
  - From who or what organization?
    - WIC
    - My doctor
    - Hospital or clinic
    - Church
    - Pharmacy
    - Department of Health
    - Other
- No
- Refused [DO NOT READ]

(NOTE: Deleted question 17, but kept numbering to avoid confusion)

18. Have you received a Zika Prevention Kit

- Yes
  - Who gave you your Zika Prevention Kit
    - WIC
    - My doctor
    - Hospital or clinic
    - Church
    - Pharmacy
    - Department of Health
    - Other
- No, skip to question 29
- Refused [DO NOT READ]

19. What color was the tote bag? [DO NOT READ RESPONSES]

- White (negro)

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- Crema
- Blue
- Green
- Other, please specify:
- Refused

20. What items were included in the kit? (Do not read, tick all mentioned)

- Repellent in Spray
- Repellent in Cream
- Bed net
- Mosquito dunks
- Condom(s)
- Thermometer
- Educational materials
- Other, please specify:
- Don't know, didn't open it [SKIP TO QUESTION 29]
- Refused [DO NOT READ]

- No, why not?
- Refused

21. Of the items you just mentioned, which one is the most important to you? (mark stated item as ranked 1<sup>st</sup>) Which one follows in importance? (mark stated item as ranked 2<sup>nd</sup>) Which one follows in importance? (mark stated item as ranked 3<sup>rd</sup>) Which one follows in importance? (mark stated item as ranked least important)

Item	Importance)				
	Ranked 1 <sup>st</sup>	Ranked 2 <sup>nd</sup>	Ranked 3 <sup>rd</sup>		
Repellent					
Bed net					
Mosquito dunks					
Condoms					
Thermometer					
Educational materials					
Other, specified					
Refused					

I am going to read you some statements and after I read the statement, I would like to know if you agree or disagree with the statement.

22. The instructions that came with the Zika Prevention Kit made it easy to know what to do with all of the items in the Zika Prevention Kit. Would you say that you (strongly disagree, disagree, neither disagree or agree, agree, and strongly agree) with the statement.

- Strongly disagree
- Disagree
- Neither disagree nor agree

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- Agree
- Strongly agree
- There were no instructions in the kit
- I didn't read the instructions
- Refused [DO NOT READ]

23. The Zika Prevention Kit helped me understand the importance of not getting Zika during my pregnancy. Would you say that you (strongly disagree, disagree, neither disagree or agree, agree, and strongly agree) with the statement.

- Strongly disagree
- Disagree
- Neither disagree nor agree
- Agree
- Strongly agree
- Refused [DO NOT READ]

**Some of the items in the kit may be items that you already had in your house and used. Others may be items that you didn't have or have never used before.**

24. **BEFORE** receiving the kit, when you were pregnant, how often did you use each of the following the items?

	Never or Almost Never	Seldom or Rarely	Sometimes	Often	Usually or most of the time	Always or Almost always	Refused
a. Insect repellent							
b. Condoms							
c. Mosquito dunks for treating accumulated water							
d. Bed net							
e. Long sleeved clothes and pants that cover arms and legs							
f. Screens on your windows that open and/or doors that open outdoors							

25. **AFTER** receiving the kit, how often did you use the types of items?



Date: \_\_\_\_\_ Initials: \_\_\_\_\_ Continuation Date: \_\_\_\_\_ Time (mn): \_\_\_\_\_

	Never or Almost Never	Seldom or Rarely	Sometimes	Often	Usually or most of the time	Always or Almost always	Refused
a. Insect repellent							
b. Condoms							
c. Mosquito dunks for treating accumulated water							
d. Bed net							
e. Long sleeved clothes and pants that cover arms and legs							
f. Screens on your windows that open and/or doors that open outdoors							

If she says “Never or Almost Never” for any item, ask why not?

Item	Why not? (capture verbatim response)
Insect repellent	
Condoms	
Mosquito dunks	
Bed net	
Long sleeved clothes	
Screens	

26. Have you **used up** any of the items that were included in the Zika prevention kit? (or have you needed to replace any items that came in the kit?) Which items?

- Yes, which items
  - Repellent
  - Condoms
  - Mosquito dunks (or other larvicide)
  - Mosquito bed net
- No → SKIP to question 28

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Don't know/not sure  
Refused [DO NOT READ]

27. Have you purchased any items to replace the items in the kit that you used up (or needed to replace)?

Yes, which items "Tick all mentioned"  
Repellent  
Condoms  
Mosquito dunks (or other larvicide)  
Mosquito bed net

No, why not? "Tick all mentioned"  
Do not have money to buy  
Items are too expensive (too costly)  
Am embarrassed to buy (e.g., condoms)  
Do not feel I need them (they don't offer protection)  
Other, please specify:  
Don't know/not sure  
Refused [DO NOT READ]

28. What other items do you recommend to be included in the Zika Prevention Kit to help pregnant women in Puerto Rico to protect themselves from getting infected with Zika?

I would include the same items that are there now  
I don't know

I would include more (a current item) \_ "Tick all mentioned" \_\_\_\_\_  
Repellent – lotion  
Repellent – spray  
Repellent -- wipes  
Condoms  
Bed net – twin-size  
Bed net – Queen size  
Mosquito dunks (larvicide)

I would add... (new items)" "Tick all mentioned" \_\_\_\_\_  
Natural repellents  
Unscented repellents (odor-free)  
Insecticide for spraying home  
Citronella candles  
Cobras  
Coupons for products  
Coupons for screens

I would do something else entirely (specify)  
Don't know/not sure [DO NOT READ]  
Refused [DO NOT READ]

For any items that are not currently included in the Zika Prevention Kit, ask them why they would put the particular item in the kit? What protection do they think it offers?

**SECTION 4. Questions about insecticide services for pregnant women**

The following questions are about the Indoor residual spraying

Description: *Indoor residual spraying (IRS) is when specially trained professionals spray insecticide inside of the home in and on the places that mosquitoes like to rest. The spraying can be done anytime during the day and usually will kill mosquitoes for about three months. IRS is most effective when most houses in a neighborhood have their homes sprayed.*

29. Have you heard about spraying insecticides inside or outside of homes to protect against mosquitos that carry Zika?

Yes,

No (proceed to question 34a)

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

30. Have you been offered spraying services for your home? [or Has anyone called you/contacted you to offer you spraying services for free?]

Yes

From who or what organization? "Tick only one"

WIC

Department of Health

Other

No (skip to question 34a)

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

31. When services were offered to you, did you want them?

Yes, why (*Do not read, tick all mentioned*)

Wanted to have fewer mosquitoes in my home

They were free

Want less chance of getting bitten

Don't want to get Zika

Because my neighbors don't remove accumulated water

Other, please specify:

No, why not (*Do not read, tick all mentioned*)

Don't want chemicals sprayed in my home

I have young children in my home

I have a sick family member

My home does not need spraying (have screens or air conditioning)

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My neighbors do a good job of removing accumulated water

Other, please specify:

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

31a. When services were offered to you, did you **accept** them?

Yes, why (*Do not read, tick all mentioned*)

Wanted to have fewer mosquitoes in my home

They were free

Want less chance of getting bitten

Don't want to get Zika

Because my neighbors don't remove accumulated water

Other, please specify:

No, why not (*Do not read, tick all mentioned*) **SKIP to 34a**

Don't want chemicals sprayed in my home

I have young children in my home

I have a sick family member

My home does not need spraying (have screens or air conditioning)

My neighbors do a good job of removing accumulated water

Other, please specify:

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

32. Has an appointment been made for you to receive insecticide spraying in your home? (or has your home been scheduled to receive spraying services?)

Yes

No

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

33. Have you received spraying services at your home? (or has your home been sprayed already?)

Yes

No

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

34. How important was it for you to receive insecticide spraying services to prevent Zika while pregnant?

Not at all important

Slightly important

Neutral (not important but not unimportant)

Somewhat important

Very important

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

Date: \_\_\_\_\_ Initials: \_\_\_\_\_ Continuation Date: \_\_\_\_\_ Time (mn): \_\_\_\_\_

34a. In your opinion, how important is it to offer insecticide spraying services to pregnant women in Puerto Rico?

- Not at all important
- Slightly important
- Neutral (not important but not unimportant)
- Somewhat important
- Very important
- Don't know/not sure
- Refused

**SECTION 5. Questions about mosquitoes in their environment (environmental stimuli)**

35. In a typical day, how often are you bothered by mosquitoes biting you

- Never
- Rarely
- Sometimes
- Often
- Always
- Don't Know/not sure [DO NOT READ]
- Refused [DO NOT READ]

36. Where do you spend most of your day on weekdays?[Choose only one]

- In my home
- Inside at work
- Outside at work
- Outside someone else's home
- Inside someone else's home
- Equal time inside and outside
- Other:

37. Do you have any air conditioning in your home?

- No, none
- Yes in one room, used at night
- Yes, in one room used all the time
- Yes in more than one room

38. Do you spend a lot of time each week in a place that has air-conditioning?

- No
- Yes
- Don't know/not sure [DO NOT READ]
- Refused [DO NOT READ]

39. Does the home where you live have any screens (*escrienes, tela metalico, tela mosquitero*) on windows that open?

- Not on any windows
- On some windows
- On all windows

Date: \_\_\_\_\_ Initials: \_\_\_\_\_ Continuation Date: \_\_\_\_\_ Time (mn): \_\_\_\_\_

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

40. How about screens on the doors that open outdoors?

None on the doors

On some doors

On all doors

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

41. Do you have the authority to decide about structural changes (like installing screens) and to fumigate your home inside and outside?

No

Yes

Other, please specify:

Can decide only about fumigation

Rental home

Family member's home

Public Housing

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

42. In what zipcode do you live?

Please specify: \_\_\_\_\_ -- \_\_\_\_\_

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

#### **SECTION 6. Questions about Risk Perception of Zika**

43. Do you personally know anyone who has been told by a health professional that they have Zika infection? (*Read the options; Tick all mentioned*)

No one I know at all

Sort of, people I don't know well but whom I know have been diagnosed

Yes I know people who have been diagnosed with Zika

Yes, I have a close friend or relative who has been diagnosed

Don't know/not sure

Refused

44. Do you personally know anyone who has been told by a health professional she has Zika infection while pregnant? (*Read the options; Tick all mentioned*)

No one I know at all

Sort of, people I don't know well but whom I know have been diagnosed

Yes I know people who have been diagnosed with Zika

Yes, I have a close friend or relative who has been diagnosed

Don't know/not sure

Refused

Date: \_\_\_\_\_ Initials: \_\_\_\_\_ Continuation Date: \_\_\_\_\_ Time (mn): \_\_\_\_\_

45. Have you ever had a Zika test?

Yes

No (Skip to question 47)

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

46. How long did you have to wait to be told the results of your Zika test?

Less than two weeks

Between two weeks and a month

Over a month but less than two months

Over two months but less than three months

Over three months

Never was told the results of my Zika test

Just got tested

Other, please specify:

Don't know/not sure [DO NOT READ]

Refused [DO NOT READ]

**SECTION 7. Their opinion about what is needed and how to reach pregnant women**

47. What do you think is needed or that needs to happen in order to protect pregnant women from getting infected with the Zika virus? [capture verbatim responses]

“Tick all that are mentioned” and write down any other responses

Fumigate in the community

Fumigate homes of pregnant women

Eliminate accumulated water in the community

Eliminate mosquito hatcheries (breeding sites)

Clean up communities (pick up trash/debris)

Pick up tires

Inspect and take care of abandoned houses

Provide emotional support for pregnant women

Provide more education for pregnant women

Provide education for everyone in the community

Educate everyone in the community to do their part

Keep providing Zika Prevention Kits

Provide repellent

Provide condoms

Provide light colored clothes that cover

Provide resources for women to screen their windows and doors

Pick up used tires

Educate gynecologists/physicians about Zika

48. In the past week, how often have you used insect repellent?

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- Never
- Seldom or rarely
- Sometimes
- Often
- Usually or most of the time
- Always
- Refused

49. I will read a list of actions and you can tell me if they can be used to protect from becoming infected with Zika. [Check all that apply. (Read the options)]

	Yes	No	Don't know/Not sure [DO NOT READ]	Refused [DO NOT READ]
Use mosquito repellent				
Drink only clean water				
Use condoms or not having sex				
Put screens on windows and doors				
Wear clothes that cover arms and legs				

**Request to call them back**

Can I call you again next month to ask you a few questions about the actions you and the community are taking to protect against Zika?

- No
- Yes

Is the phone number I used to reach you today, the best number to reach you at?

- i. Yes
- ii. No, what number should I call? [*Write down phone number*]
- iii. What is the best time of the day to call you back?
  - Weekday morning?
  - Weekday afternoon?
  - Weekday evening?
  - Weekend morning?
  - Weekend afternoon?
  - Weekend evening?

**Thank you for answering these questions! Your answers will help us in our efforts to keep pregnant women and their babies healthy.**

**Do you have any questions?**

**Thank you so much for your participation.**