

CDC I-Catalyst Program Project

Community-based Mosquito Surveillance – Pregnant Women

Interview Protocol Guide and Questions

Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-1158).

Background Information:

CDC has provided funding and technical assistance in the development of a surveillance, education, and community engagement app called Kidenga (<http://Kidenga.org>), launched in the fall of 2016, to help prevent and control the spread of Aedes mosquito-borne diseases like Zika, dengue, and chikungunya in US-Mexico border communities. Developing a flexible and responsive framework for neighborhood-level environmental management is paramount to controlling mosquito populations, and without significant community engagement, mosquito control programs have often failed. The Health Belief Model suggests that ‘cues to action’, in conjunction with other factors can improve the chances of the recipient of the cue performing health behaviors. In a survey conducted by partners at the Arizona Department of State Health Services, participants ranked targeted weather-based alerts of mosquito risk as a top feature that would motivate them to use the Kidenga app regularly, and over 70% of pregnant women surveyed reported interest in such weather-based alerts. Therefore, the CDC Kidenga team seeks to explore potential solutions for better engaging pregnant women and their families in mosquito-control in their environments through the Kidenga app. With this innovation, pregnant women, their families, and ultimately the communities using this app may improve their capacity to take action in mosquito control at the most critical risk periods.

Therefore, to succeed in building useful app features for pregnant women, the Kidenga team seeks to first talk with pregnant women and then with their Maternal-Child Health providers (MHPs) to better understand the end-user, the problem, and the appropriate solutions. Ultimately, the team aims to develop an innovative, low-resource approach to facilitate improved community engagement in mosquito control.

Interviewer to Respondent: Hi, my name is ...Thank you for your time. I know you are busy, I only need about 30 minutes of your time. I’m from the Division of Global Migration and Quarantine in the Center National Center for Emerging & Zoonotic Infectious Diseases (NCEZID) working on a project on healthy pregnancy and individuals do to have a healthy pregnancy. CDC is gathering this information to help improve the messages and the ways in which they are made available to help prevent diseases caused by mosquitoes. We will use the information you provide us today to help us make decisions on how to better provide public health messages to pregnant women and maternal health providers. Your name will not be used in any reports. Thank you for participating in this data collection effort. Participating in this discussion is completely voluntary. You will not be identified in any published

reporting. Individual respondents will not be identified in study reports except with their express permission.

Community members

1. Tell me about what you do to stay healthy during mosquito season.
 - a. Where do you find information you need?
 - b. What do you do?
 - c. How does that work?
 - d. What problems do you face? Is that a big problem? Why?
 - e. How do you resolve it today?
2. Do you have a child (ren)?
 - a. Tell me about what you do to keep your baby healthy.
 - b. If not, are you planning on having one soon? If so, what are your biggest concerns?
3. What are your challenges to staying healthy? To keeping to your baby healthy?

Questions for Pregnant Women

1. Tell me about what you're doing to have a healthy pregnancy.

Examples of probing questions:

- a. Before you got pregnant?
 - b. During your pregnancy?
 - c. Are you doing anything different for health reasons than you were doing before you were pregnant?
 - d. What did you find was easy or hard about that?
2. How do you get information about what to do for a healthy pregnancy?

Examples of probing questions:

- a. When you get information, how do you usually get it (TV, radio, computer, tablet, smartphone)? App, text message, notification to your phone?
 - b. Do you ever use an app or sign up for text messages or other kinds of automatic notifications or information?
 - c. What did you find easy or hard about those ways of getting the information?
3. Can you tell me about something you heard or read that made you change what you were doing during pregnancy?
 4. Tell me about anything you or your family do right now to protect yourselves from mosquitoes or mosquito-borne diseases, like Zika?

Examples of probing questions:

- a. Tell me about why you/they do that.
 - b. What did you find was easy or hard about that?
5. How old are you?
 6. Do you have any other children?

Thank you for your time.