

Blackberry E-med Check User's Guide

Opening the Application

To open the application, go to downloads then EmedCheck

When the application opens (unless you have had it open previously), by default, it will bring you to the household name entry screen, the beginning of the interview process, which is described below.

Setting up the Application with the Settings Screen

Before beginning use of the application, it is recommended that you review the settings. You can get to the settings menu by clicking the menu button on your device and selecting "Settings."

- Screener Name – Your name, to allow easier tracking of which records in the online database can from which interviewer.
- Device ID – A number or identification phrase, again, to allow easier tracking of which records in the online database came from which interviewer.
- Upload After – After this many records being created through the interview process, the device will ask to upload records to the online database. The upload process is described in more detail below.
- Upload To – the URL to the php or ASP.NET file online that handles saving records to the online database. (This should end in ".php" or ".aspx")
- Doxycycline Lot Number – The lot number of the medicine currently being dispensed, to allow easier tracking of batches of this medicine.
- Ciprofloxacin Lot Number – The lot number of the medicine currently being dispensed, to allow easier tracking of batches of this medicine.

Completing a Household's Screening

To begin a household screening, at the "Create Household" screen, which will be brought up the first time you open the application, and can be accessed any time from within the application by clicking your devices menu button and selecting "Reset Interview," (Note: When you select "Reset Interview" any interview you are currently conducting, but have not yet finished, will be lost).

The interview process consists of three parts:

- (1) Name Entry – On the "Create Household" screen, add people to be interviewed by clicking the "New Person" button, then entering a name and selecting "Submit." (You can cancel the name entry screen by hitting the back button on your device). You can add as many names as you like to interview as many people as you like at one time. The names will not be taken off the device – when uploaded to the database, each person will be stored with a unique ID, rather than with the name you enter, in order to protect privacy. The names you enter here are strictly to help you keep track of the interviewees while you go through the process with them.
- (2) Interview Questions - Once you are finished entering names, you can select the "Next" button, and begin the actual interview, which consists of three questions concerning the patients' ages / pregnancy or breast feeding status and their allergies to Doxycycline and Ciprofloxacin. On each of these three pages there is a "Back" button to return to the previous

question, an “Info” button that displays a message describing exactly what the question is asking, a “Next” button that allows you to continue to the next part of the interview, and a list of the people in the currently interviewed household with a corresponding drop down list which you can use to select an answer to the question for that person. By default, all answers are set to “Not Sure.”

- (3) Decision – After answering the question about Ciprofloxacin and selecting “Next,” you will be brought to the “Decision” screen. On this screen, a list of the people in the current household will be displayed with a corresponding instruction for treatment - the possibilities are “Give Cipro,” “Give Doxy,” or “Refer to Physician” (In this case, the program determined that both Cipro and Doxy could be harmful to the patient’s health, and they need to be screened by a physician for a better recommendation). At this point, the program may also ask if it can upload records to the database in the background, if, when these people are added to the records on the device, the total number of records stored on the device is larger than the number you indicated in the “Upload After...” setting. The upload process is described in more detail below.

After reaching the decision screen, to begin an interview with a new household, select the “Reset Interview” button (Note: The information you entered in the preceding interview will not be lost – once reaching the decision screen, the interview information is automatically store on the device until the next upload).

Stored Records and Uploading Data

Records are stored temporarily on the device and then uploaded to an online database for more permanent storage. You can view the records currently on the device by pushing your devices menu button, then selecting “View Records.” (Escape this screen by hitting the device’s back button).

The device will automatically ask to upload items after reaching the decision screen for a household’s interview, if the records make the number of stored records greater than the number specified in the “Upload After...” setting. When you allow the device to do the upload when it asks, it will do so in the background, allowing you to continue conducting more interviews. To view upload progress, you can select “Upload” on the menu. If there is not a current upload in progress, selecting this option will begin a new upload. (Note: if you allow it to upload in the background, then try to view progress and it returns the error “There are no records to be uploaded,” do not worry – this means the upload is already completed, and there are no longer any records on the device. The upload was completely successful.) Once you are viewing the upload progress dialog, you can hide it and allow it to continue running in the background by either hitting the “Hide” button, or by hitting your devices back button. Once finished, if an error pops up, there may be a problem with the URL you entered on the Settings screen or with the online database.