**Working Name:** P-Toolkit

**Date Modified:** November 17, 2014

**Introduction**

The physician’s toolkit aims to assist physicians in refugee camps and clinics to collect and view patient information. It will be implemented as a mobile web app in order to accommodate a wide range of devices and to allow physicians access from a computer.

There will be a quick guide to interacting with patients that is modified from the Harvard Program in Refugee Trauma’s quick list. Instead of just listing the 11 points, it will also allow for physicians to record information about their patient. This web app will also feature a quick checklist of symptoms that physicians can use to record relevant information from a patient’s trauma story. Other physicians will also be able to access previously recorded trauma stories so that they have a better background on the patient when interacting with them. Access to this app will necessitate a username and password.

**Features**

*Login*

* Usernames will be given to authorized physicians
* Physicians will be able to pick a password
* A password must have certain specifications:
  + Cannot contain a dictionary word
  + Must include a lowercase and upper case letter
  + Must include a number
* Passwords can be reset if the user forgets his/her password
* Passwords will be stored using the crypto module within Node.js

*Quick Guide – Harvard Program in Refugee Trauma, 11-Points*

* The content will come directly from the 11-point pamphlet created by the Harvard Program in Refugee Trauma.
* The initial screen will consist of 11 headings. Upon clicking on the heading, more detailed information will drop down. There will also be a button that links to additional information from the manual if physicians need more detailed instructions.
* Physicians will be prompted with questions along the 11-point checklist. The questions asked are the same ones that appear on the checklist.

*Manual*

* This content comes directly from the manual written by the Harvard Program in Refugee Trauma.
* The table of contents that allows for quick navigation through the manual will appear on the left side of the screen.

*Patient Information Checklist — Quick Add Information*

* Records patient data that might emerge from hearing a trauma story.
* Questions are divided into sections.
  + Basic information: age, gender, demographics, current medication, camp location, where the patient was originally from, if patient is with other family members, reason patient is in refugee camp.
  + Sexual assault: questions about important details of assault, how long it has been, who the assailant was, etc.
  + Starvation: questions pertaining to whether a patient has ever experienced prolonged periods of starvation or are currently experiencing starvation.
  + Separation/Isolation: questions on whether individual has been separated from family, if the individual feels general social isolation and emotional distress, and if the patient has been abandoned.
  + Abuse: questions on degree of severity of abuse, identity of abuser, duration of abuse.
  + Depression/Anxiety: questions on patient’s general mental health with a list of symptoms that may point to certain mental health illnesses.
  + Sickness: if the patient has been injured or ill in recent history.
  + Questions will generally have 3 response options: NO, YES, UNSURE.
    - If “yes” is checked, there will be an additional area for notes
* There will be a section at the end for additional notes

*Viewing patient information*

* Physicians will be allowed to search for patients
* Checklist information will be displayed for the patient
* Physicians can run data analysis for patients in the camp

**Supporting Details**

* Landscape mode will not differ from portrait mode in terms of features. There will be some stylistic changes but the overall content of each page will be preserved when switching between the two.
* The application will be built using Node.js and written in a combination of HTML, CSS and JavaScript.
* The localForage JavaScript librarry will be used for offline data storage
* MongoDB will be used to store information.
* The application will be hosted by Heroku.
* All graphical designs will be done internally.

**Additional features/extras:**

* An option to export checklist responses to a spreadsheet that can be printed.
* Offline work. Store data temporarily until web access available.
* A list of patients that the specific physician has added to the database and their checklist information for editing purposes.
* Allow other physicians to edit information when seeing the same patients

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**Wireframes:**



