**Mobile Platform for Community Health Workers: Preliminary Baseline Parameters**  
Draft of November 7, 2014

**General Considerations**

* Platform must be usable by CHWs with limited background and training
* Platform to be open-source, flexible, and extendable
* Platform interfaces with national health record database
* Operates on low-cost hardware (android)
* Interface optimized for tablets and smartphones
* Confidentiality of records to be preserved
* A maximum of functionality available while off-line
* Communication uses wi-fi (where available) and cellular data channels
* Track-back of information must be preserved

**Country-Specific Considerations**

* Interface must reflect existing paper-based primary care record system
* Dominican national primary care client data base currently uses CDC Ep-Info software (obsolete version) with Microsoft Access back end

**Functions**

* Get client information from Public Health national data base and convert to local data base
* Allow CHW to view and update client information
* Save (filtered) updated information to the national data base
* Provide alerts for vaccinations, follow-up, etc.
* Modular management tools for common chronic conditions like diabetes and hypertension
  + Provide CHW with on-site protocol-based decision making resource, including medication adjustment
  + Facilitate effective physician oversight, review, and intervention when necessary

**Modules**

* Client information acquisition and conversion from national data base to local data base
* Client information acquisition and updating from local data base to CHW android device
* Data display and update interface on CHW android device
* Client information updating from Android device to local data base
* Client information filtering/verification/conversion from local data base to national data base
* Specific chronic disease management modules

Contact: Jon Katz, CAREL  
jon@el-limon.org