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Documentation

From EpiHandy

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Introduction

EpiHandy makes gathering of survey data easy through the user-friendly, transparent and effective technology that enables researchers to prepare, collect, and interpret data faster and easier than ever before. Almost immediate availability of collected data improves accuracy of surveys and thereby also decision-making and efficiency.

EpiHandy utilizes the advantages of new mobile technology to improve data collection and handling processes. It has built-in validation and cross-checking features, including skipping and branching and multi-language surveys can be designed with maximum reuse of translations.

EpiHandy has been developed at the Centre for International Health, University of Bergen, Norway in response to problems faced in management of relief operations / research in remote rural areas of Ethiopia, where great problems in obtaining reliable and updated data were faced.

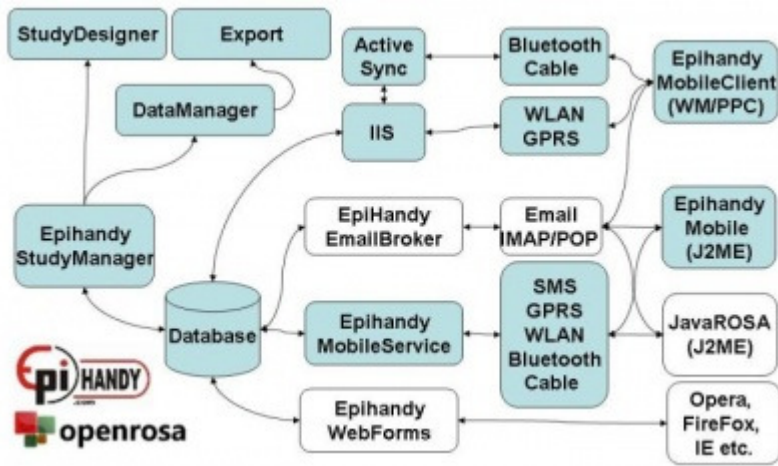
Traditional methods of data collection and handling have several disadvantages. Paper forms cause duplication of processes, lack of efficiency and validation and no means of branching control at point of collection. Similarly web and e-mail forms require the user to be online for submission.

About the documentation

We are actively moving all documentation over to this website and into wiki format for easy update and management for the future. This is a big undertaking, so please bear with us while we undergo this exercise.

The previous PDF manual can be found at: http://www.epihandy.org/images/e/eb/EpiHandy_UserManual_1_1.pdf

Overview of components



Links to documentation of the different components:

EpiHandy StudyManager

Click the heading above to go to the page with information about EpiHandy StudyManager

EpiHandy MobileClient

Click the heading above to go to the page with information about EpiHandy StudyManager

EpiHandy Server

Click the heading above to go to the page with information about EpiHandy StudyManager

EpiHandyMobile

Click the heading above to go to the page with information about EpiHandy StudyManager

Examples of usage

Survey

Household Survey

Follow-up Study

Practical Walkthroughs

Study Design

Study Management

Entering Data

Editing Data

User Management

Example Studies

Settings

Login

Devices used & technical recommendations

The following devices have been tested and used with EpiHandy

TODO: Add list of devices, and references

TODO: Add info on battery challenges

TODO: Add info on non-volatile memory, and usage of memory cards

TODO: Add info on

Issues with other Software packages

- Skype
- Firewalls

Technical Requirements

EpiHandy - StudyManager

(To be used on a PC / Desktop Computer)

- Minimum Hardware: Pentium or AMD 300 MHz, CD-Rom
- Operating System: Windows 98/ME/NT/2000 or XP with .Net Framework and MDAC v.7 or above. (Both included in the setup program)
- Database: Microsoft Desktop Engine 2000 (MSDE 2000, included)
- MSDE 2000 is a downscaled version of the powerfull database Microsoft SQL server 2000.
- EpiHandy is compatible with MS SQL Server and future versions will support several other types of SQL servers (databases)

EpiHandy - MobileClient

(To be used on a Handheld Computer)

- Hardware: 166 MHz processor with SD or CF expansion slot
- Operating System: PocketPC 2000 - 2003 with .Net Compact Framwork
- Database: SQL Server 2000 Windows CE Edition version 2.0 (included)
- Storage / Memory Card: Any type supported by the handheld to be used. 64MB is reccommended minimum size
- GPS: Any standalone GPS (with serial cable or Bluetooth) or any GPS jacket designed for the handheld to be used
- Camera: Any add-on or built-in camera

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