



Distribution of Public and Private Health facilities
including drug shops using Geospatial methods to
Enhance Decision Making for Family Planning,
Reproductive Health and Child Survival: A Case
Study in Uganda

Irene Zawedde

Senior IT Specialist

Management Sciences for Health/STRIDES for
Family Health

July 11, 2013



STRIDES carried out a mapping exercise to:

- Identify and determine the geographic distribution of private for profit (PFP), private not for profit (PNFP) organizations, individual practitioners and private companies involved in the provision of RH/FP and CS services.
- Establish linkages between the private and public facilities.

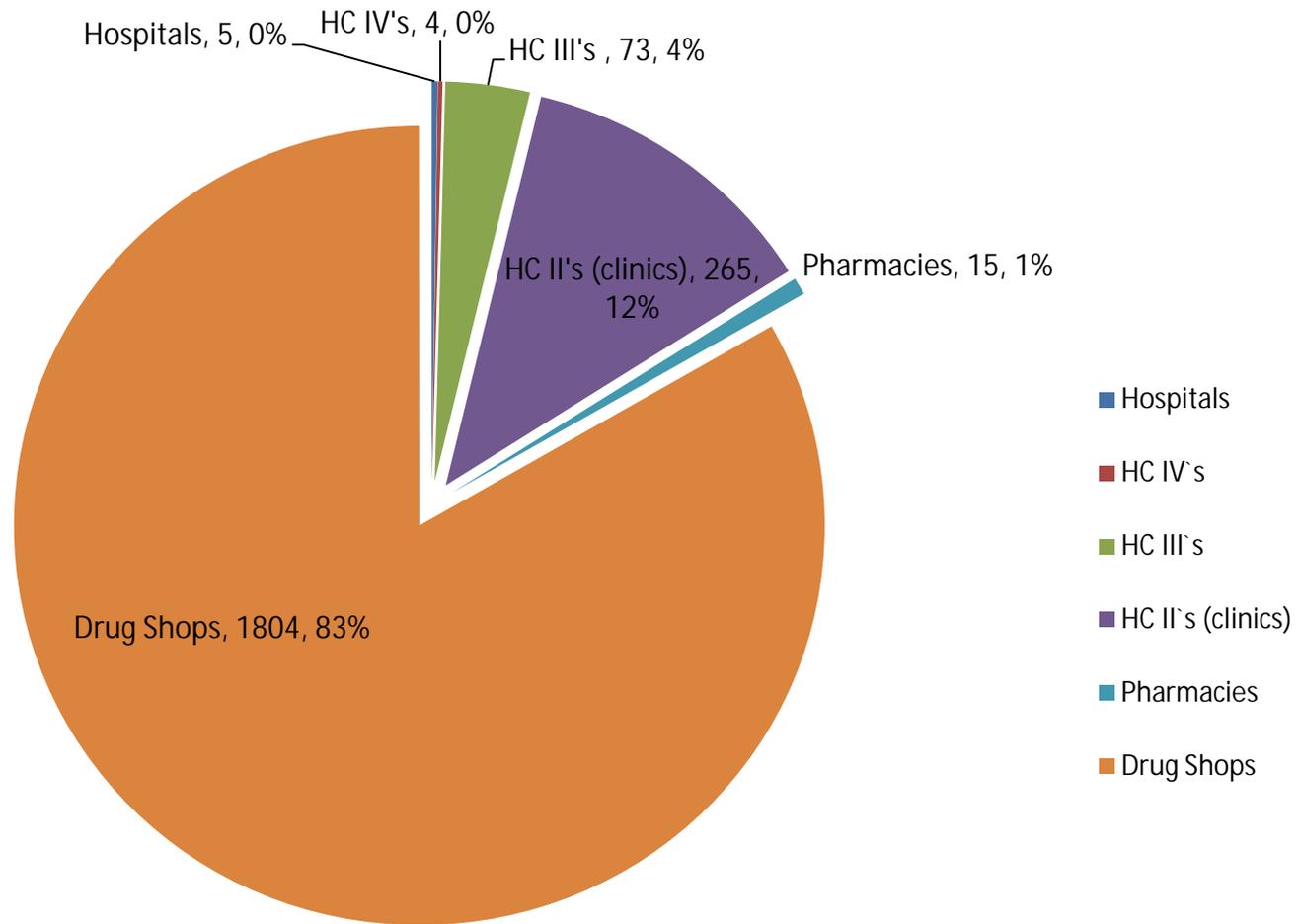


The study included two complementary methodologies:

- Census of private for profit (PFP), private not for profit (PNFP) organizations, individual practitioners and private companies and geospatial mapping.
- The Ministry of health GIS database of health facilities was reviewed and used to map the precise location of public and PNFP health facilities in the focus districts in order to establish linkages between the private and public health facilities

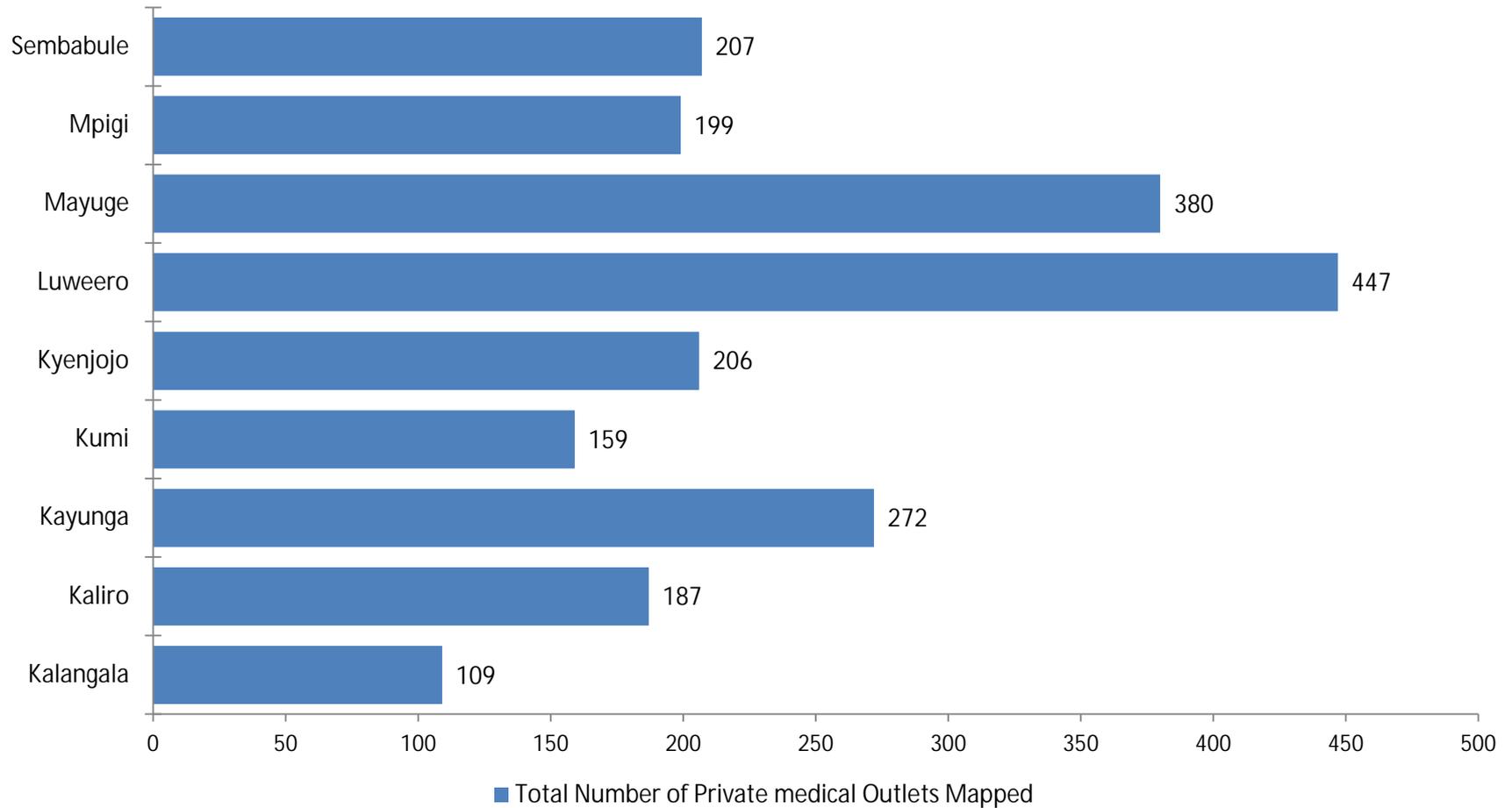


Percentage Distribution of the Service delivery points





Number of Mapped Service delivery points by District





Quantitative Data Collection: Census and GIS Mapping

- A facility census was conducted in the selected districts. The data collected included information on the health infrastructure (private, facility type with GPS coordinates); availability of key RH/FP services and referral systems and financing schemes; and the general status of drug storage and licensing status.



Census data collection steps included:

- Design of a database management system (DBMS) to capture and analyze collected data
 - Development of the district maps using Arc View GIS mapping software
 - Design and pre-testing of the survey questionnaire
 - Collection of location data using hand-held GPS devices for private for profit (PFP), private not for profit (PNFP) organizations, including individual practitioners and private companies involved in the provision of RH/FP.
 - Integration of census information and GPS location information into the DBMS
 - Creation of maps reflecting distribution of service delivery points
- Analysis of census data

Public & Private Medical Outlets in Kumi District (Nov 2011)

