

Open Source and Innovation for Kosovo



RapidSMS

Information for Action

<http://rapidsms.org>

<http://groups.google.com/group/rapidsms>

unicef 

Problem: lack of real time information

Solution: use simple phones to gather info

SMS = 160 characters: constrained, but
universally accessible

RapidSMS: turns individual SMSs into
meaningful information; displaying,
graphing and mapping it on the web



Malawi



Malawi





Child



Health Clinic
Worker

Health Clinic Worker gathers
and sends child's nutritional
data

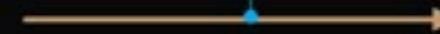
1



Postal
System

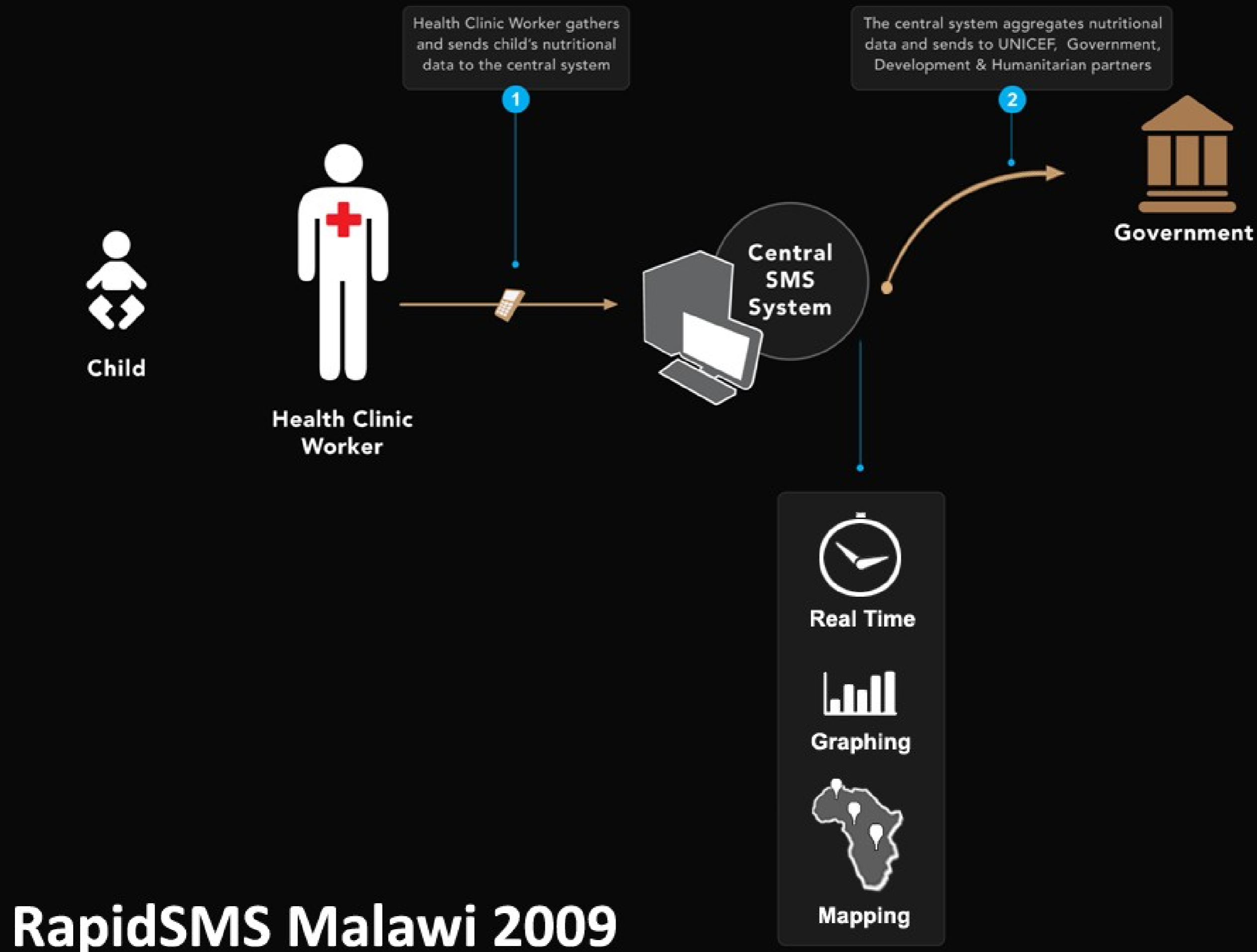
The Government collects data over the
course of 3 month periods and analyses
it for long-term planning

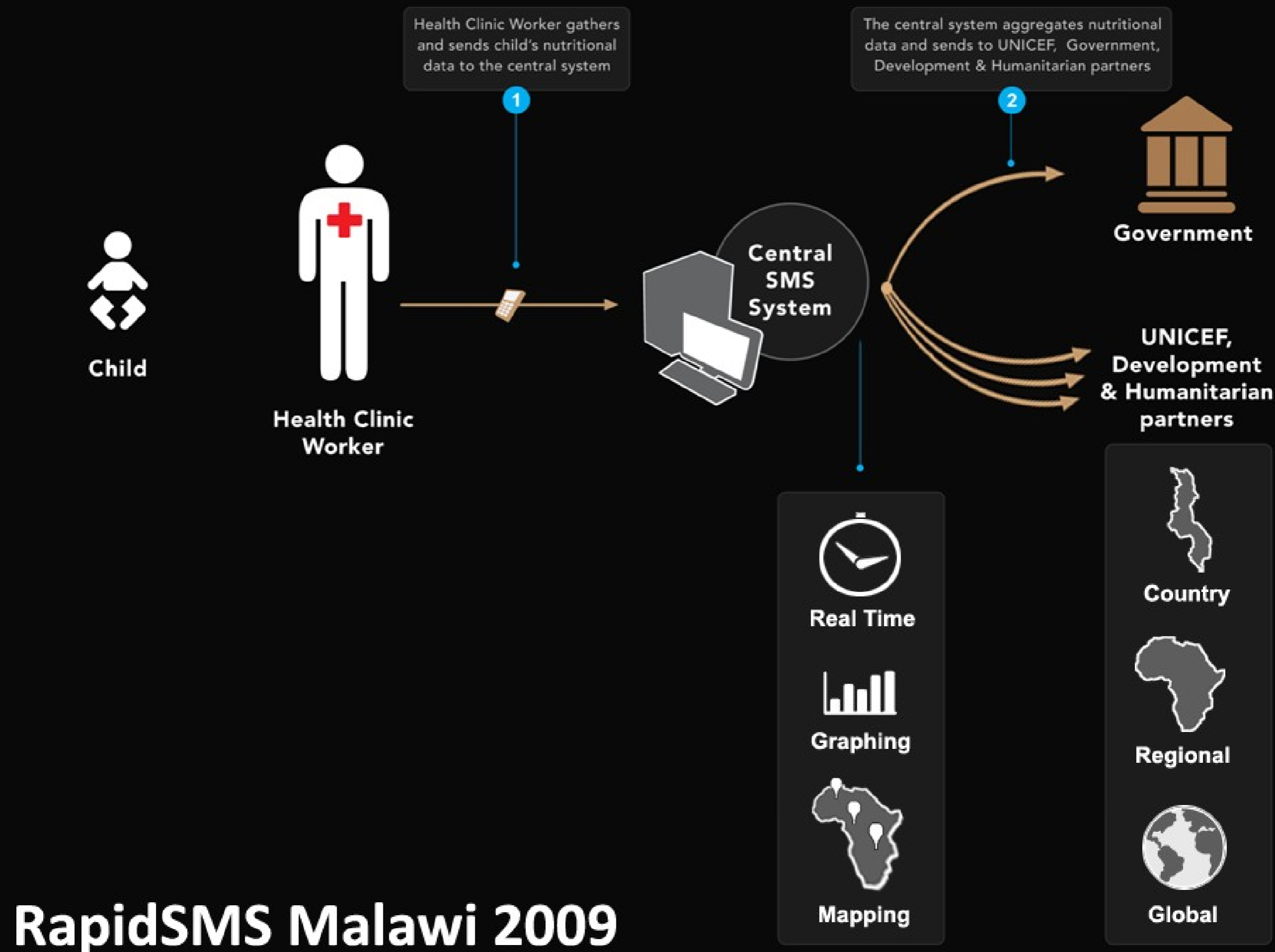
2



Government

Data Gathering in Malawi in 2008

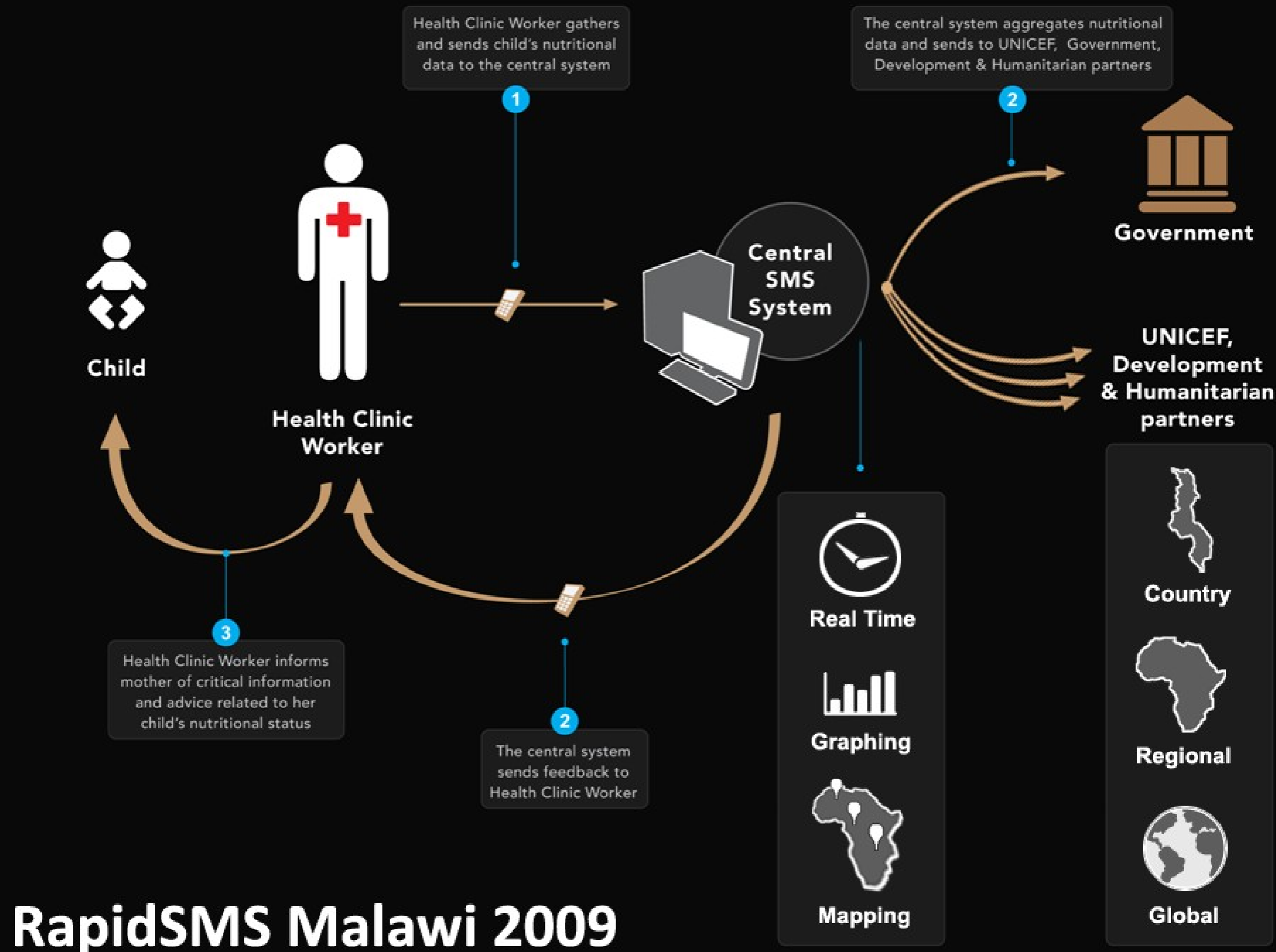




RapidSMS Malawi 2009

A Thank You message became our best insight.

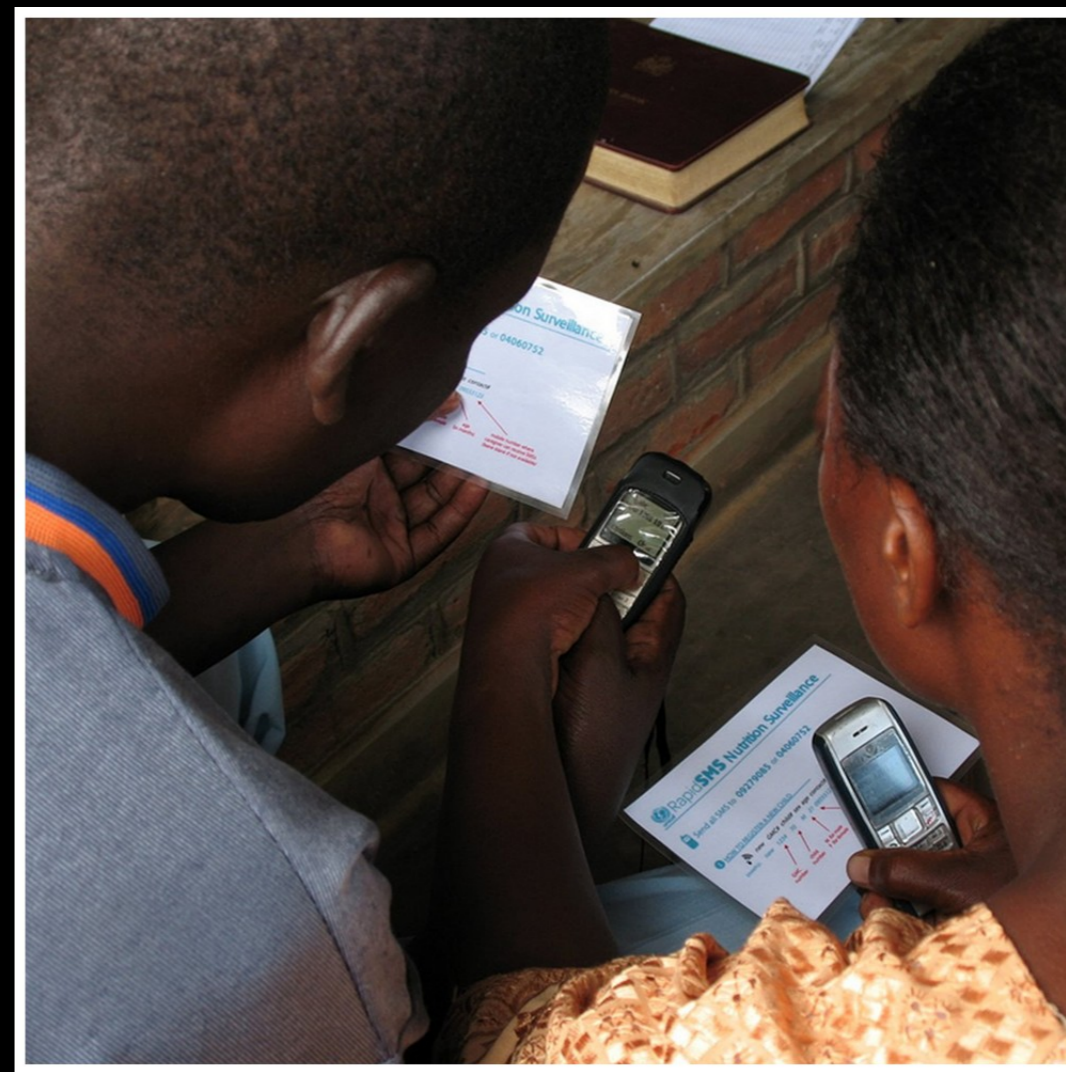




Costs low since health workers have cells

Training

Costs of SMS messages





Rapid SMS Nutrition Surveillance

Send all SMS to 09279085 or 04060752

HOW TO REGISTER A NEW CHILD

new GMC# child# sex age contact#
EXAMPLE new 1234 70 M 21 09555123

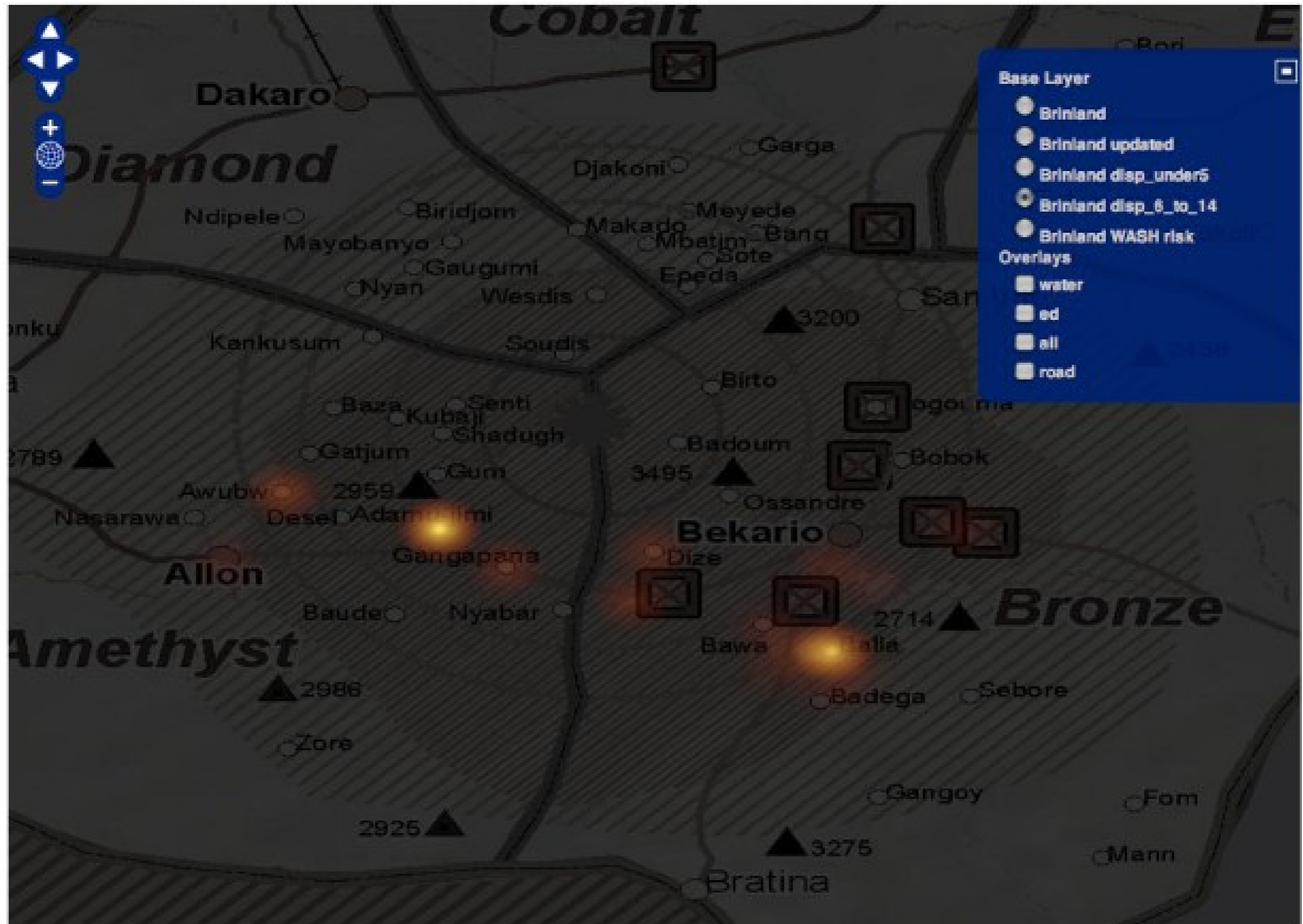
GMC
number

child
number

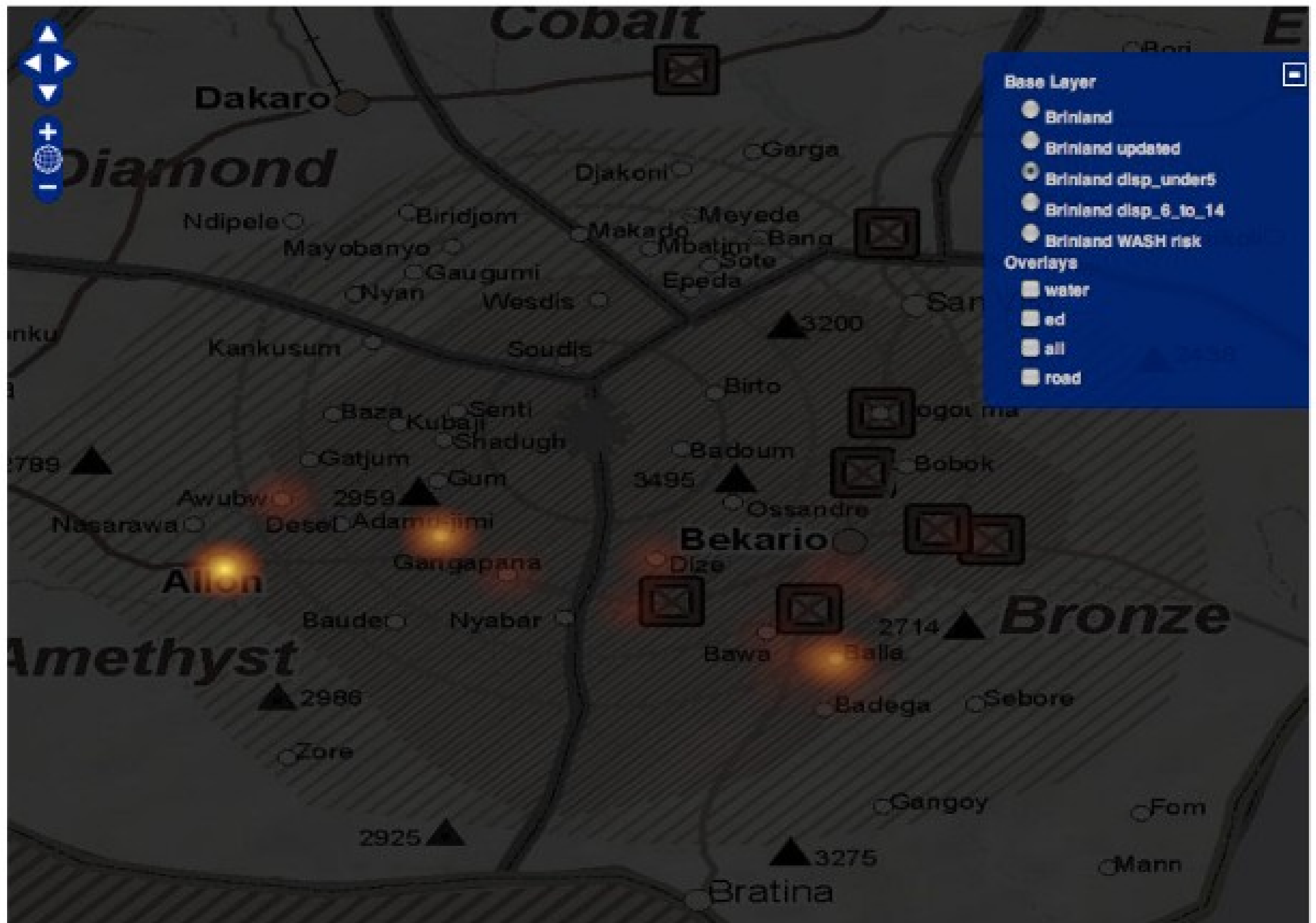
M for male
F for female



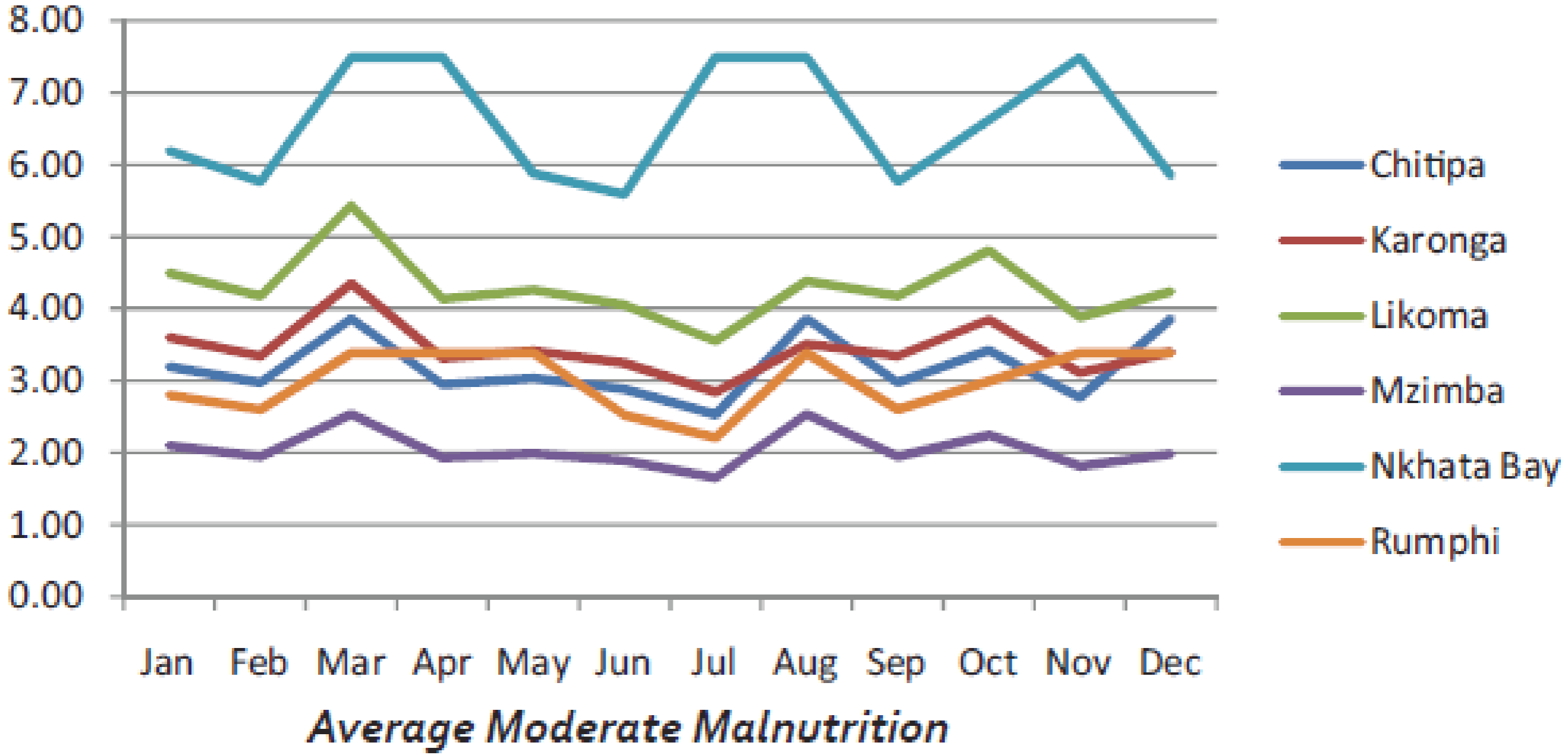
Density Map of Children aged 6-14 on data from 56 locations (4 of them camps)



Density Map of Children under 5 based on data from 56 locations (4 of them camps)



Example of Automated Report on RapidSMS Website



Literacy and Community Empowerment:

SMS-based community forum

Supply Chain Management: tracking

supplies during drought food distribution

Empowering Community Health Workers:

decreasing child mortality through

nutritional monitoring

Kosovo

Young: 50% of population under 25

Unique Opportunity: rapidly accelerating state infrastructure

Advanced Technology: I walked into a phone store, and the phones are fancy.

Birth Registration

“

To make people count, you have to be able to count people first.

”

Birth Registration

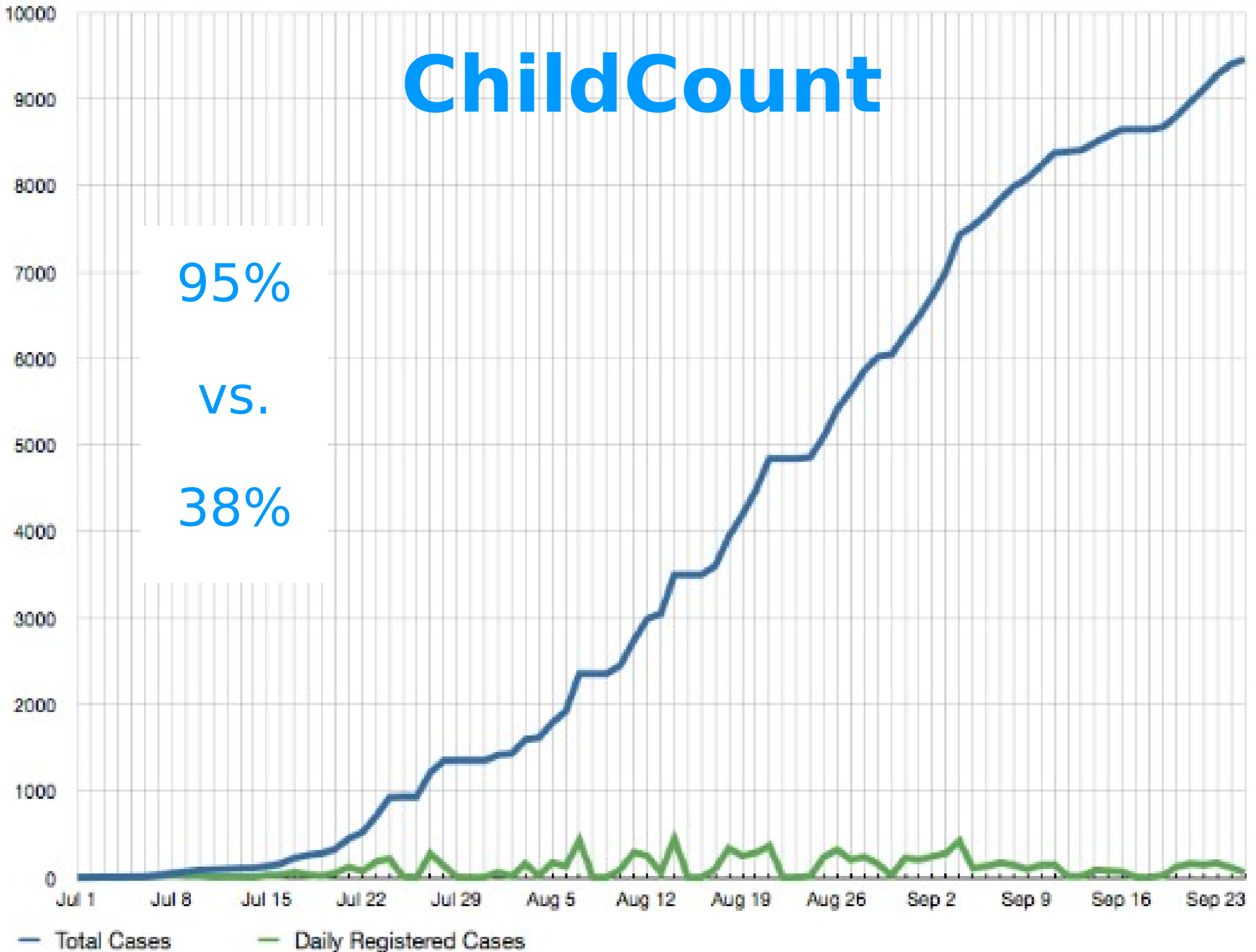
“

8.3% of Kosovo households have failed to register the birth of (some of) their children under 18 years of age.

”

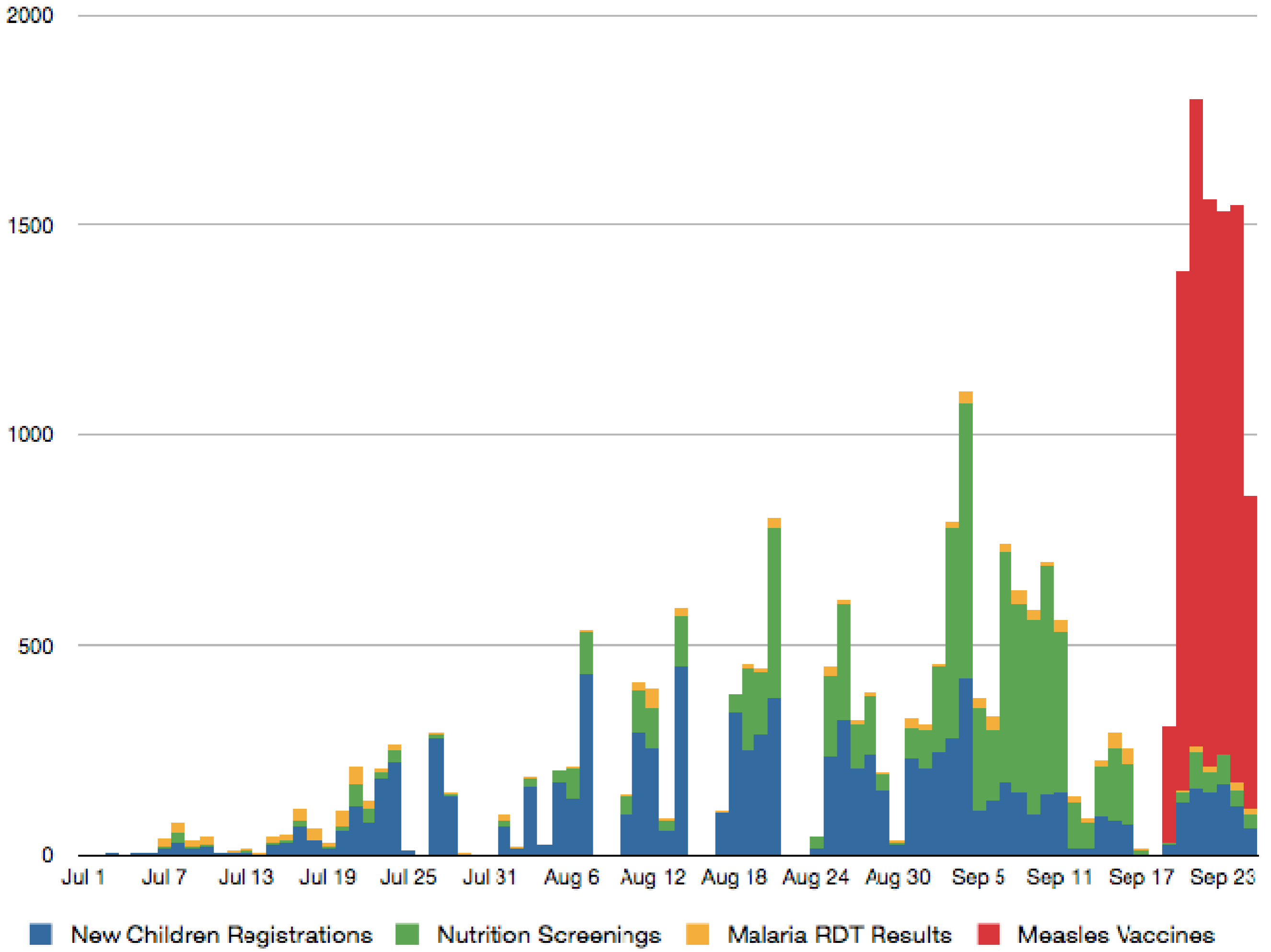
ChildCount

95%
vs.
38%



— Total Cases

— Daily Registered Cases



Beyond Direct Implementation

Working directly with Open Source
Community (You!)

Collaborations with University of Prishtina
Innovation Lab

Maybe we could help with..

Providing Access to Your Opinions,
Experiences in Real-Time for **Your Policy
Makers**

Access to **International Resources**

Support for Your Projects (like Mapping
Kosovo)

And YOU can help with..

Albanian / Serbian Translation of RapidSMS:

Documentation + Back-end

Innovation Lab: Come participate!

Ideas: We are listening.

Innovation Lab

powered by Kosovo Youth

Political Participation: linking youth with institutional mechanisms

Making things happen: a free environment to bring innovative ideas, technical support to make them happen

University of Prishtina

Collaborations: existing history of collaboration, education key focus

Open Source Courses: Django, LAMP, Rapid Prototyping



What is RapidFTR?

RapidFTR helps aid workers collect, sort and share photographs and information about children in emergency situations so they can be registered for care services and reunited with their families. A team of ITP students dreamed up and designed the system and are now working with [UNICEF](#) and volunteer developers from [ThoughtWorks](#) and around the world to build and deploy the system.

Latest News

[Current Functionality of RapidFTR Web App \(July 2010\)](#)

[RapidFTR Seeks BlackBerry Developer](#)

[RapidFTR on PopTech](#)

[RapidFTR Code Jam This Saturday](#)

[Anthony Mwangi on Combating Child Trafficking](#)

Participate

We are looking for experienced Ruby on Rails programmers. If you're interested in participating, please go to [developer info](#).

Get RapidFTR Updates

You can follow our progress. Subscribe to the RapidFTR newsletter.

(and others...<http://unicefstories.wordpress.com>)

Your ideas please!

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[FLOSSK mailing list](#)