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INNOVATIONS IN MONITORING VITAMIN A SUPPLEMENTATION PROGRAMS

Jessica Blankenship PhD

Use of Mobile Data collection for VAS Programming

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The use of mobile phones improves the ability to collect, review and interpret data from surveys and to provide timely feedback to inform campaign strategies and routine distribution.

- Using mobile phones:
  - Collect survey data after VAS distribution events
  - Collect and review supportive supervision and routine monitoring data
  - Report tally sheet data

- Mobile technology is not a stand alone programme, it complements and enhances strong monitoring systems to provide timely data and encourage the use of data to inform programme strategy

Use of Mobile Data collection for survey s and routine monitoring

How it Works

1

Design

Author surveys quickly and easily in Excel and have instant access on your Android phone. No advanced technical degree required.

2

Collect

Easily distribute your survey on an Android device or on the web. Data connection not needed.

3

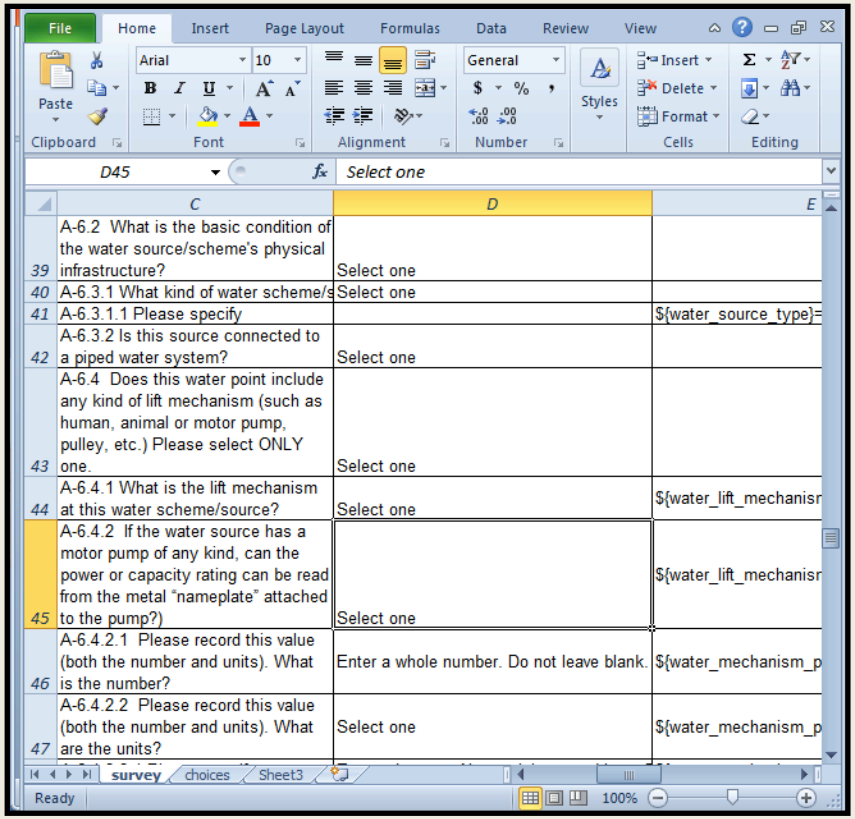
Analyze

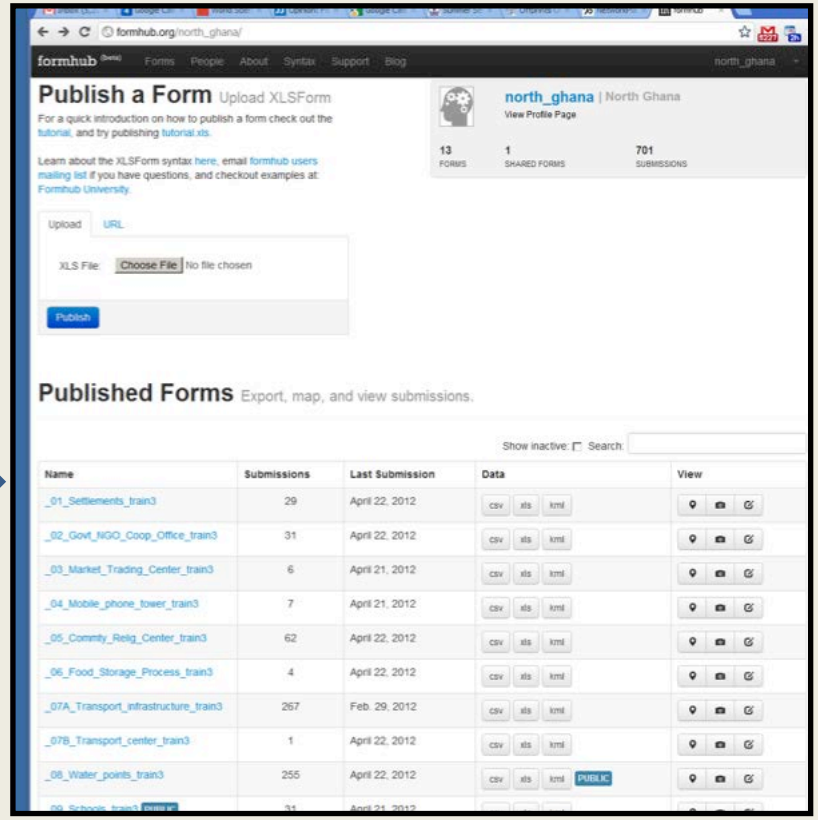
Visualize your data as it is collected, and gain understanding with our powerful insights tools.

CREATING SURVEY FORMS

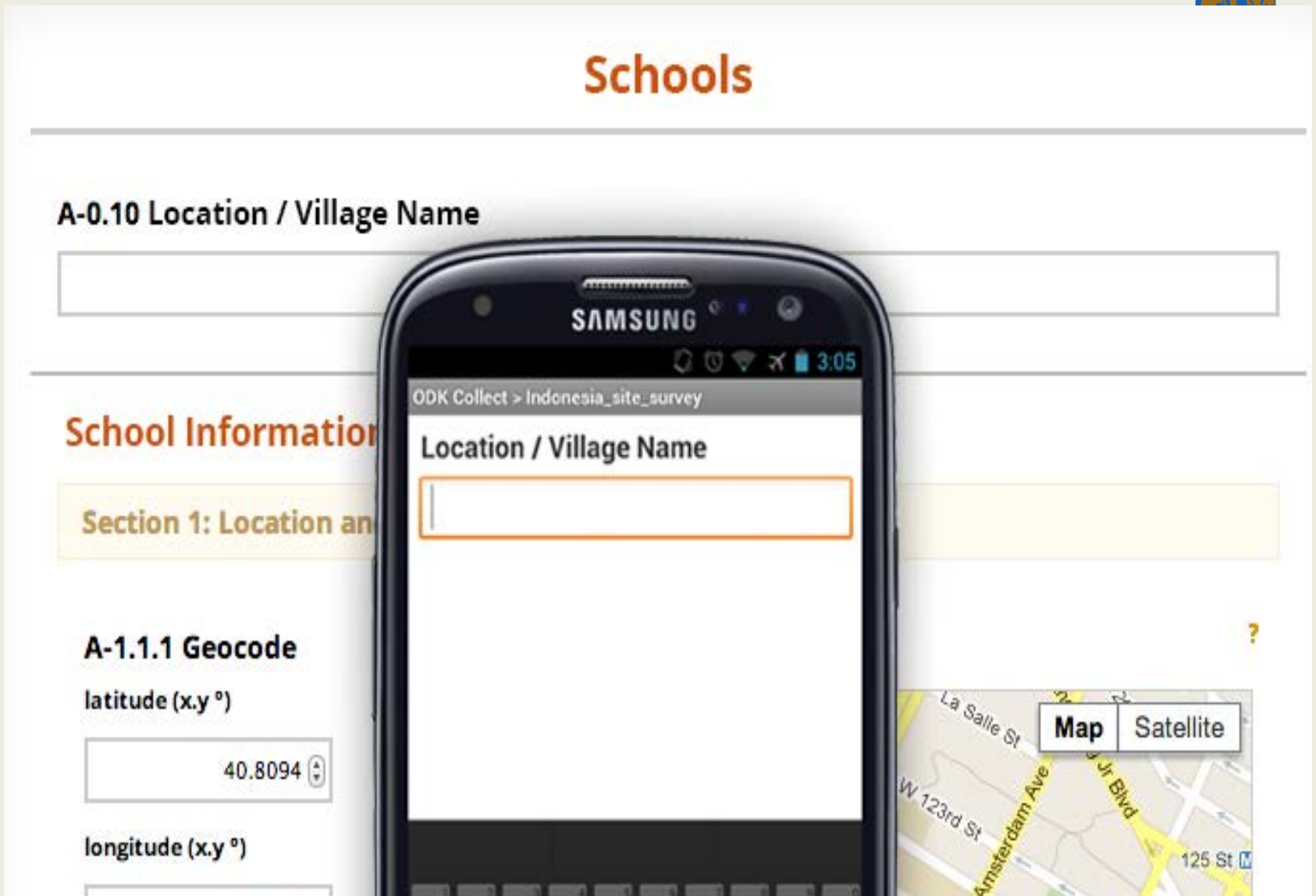
SURVEYS ARE AUTHORED IN EXCEL…

…AND UPDATED TO SERVER AND PHONES





DATA CAN BE COLLECTED VIA WEBFORM OR MOBILE



ADVANTAGES OF MOBILE DATA COLLECTION FOR SURVEYS

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- Quick turn around time from data collection to interpretation
  - No double data entry

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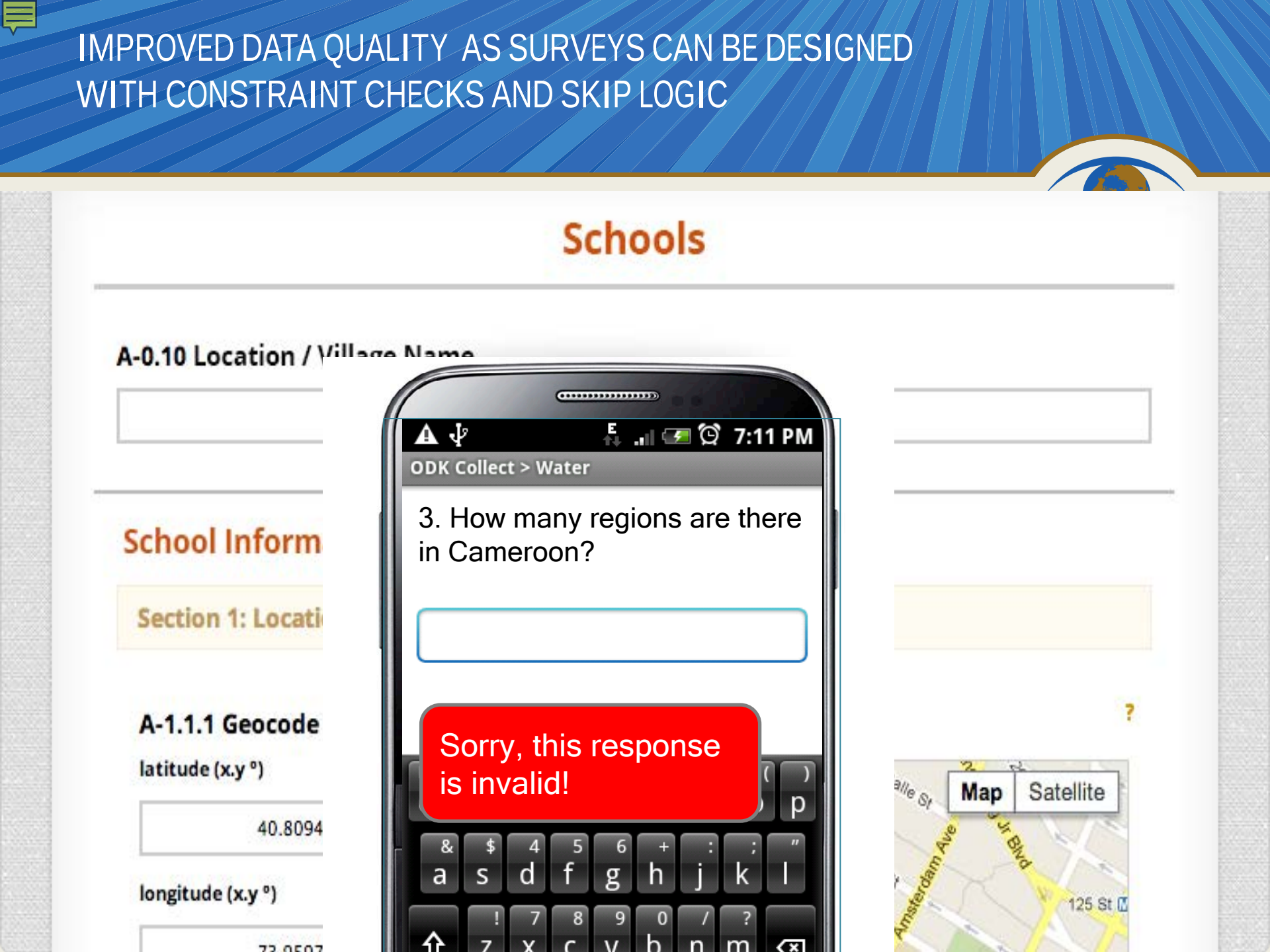
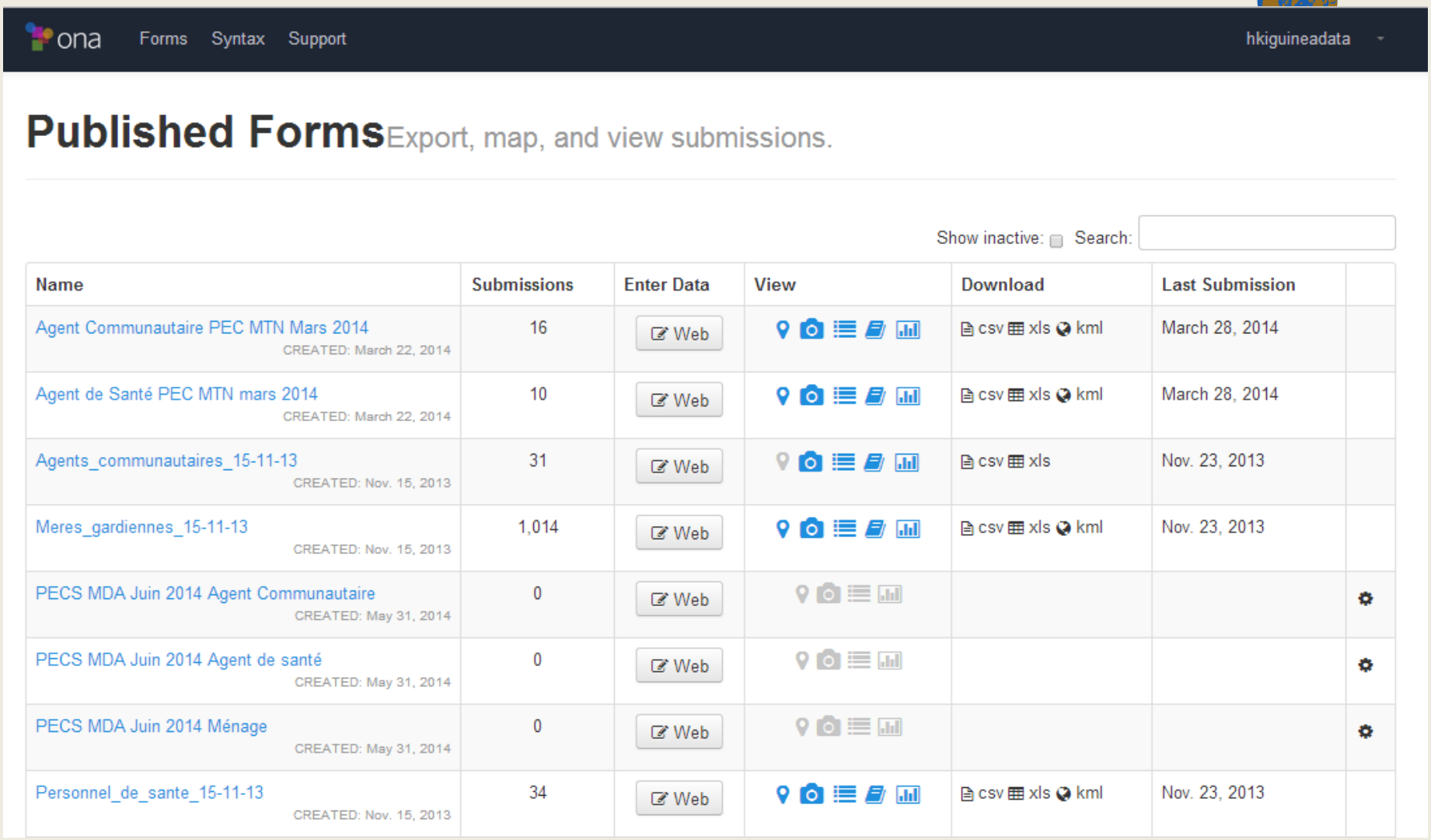
IMPROVED DATA QUALITY AS SURVEYS CAN BE DESIGNED WITH CONSTRAINT CHECKS AND SKIP LOGIC



SUPERVISORS CAN VIEW AND MODIFY COLLECTED DATA



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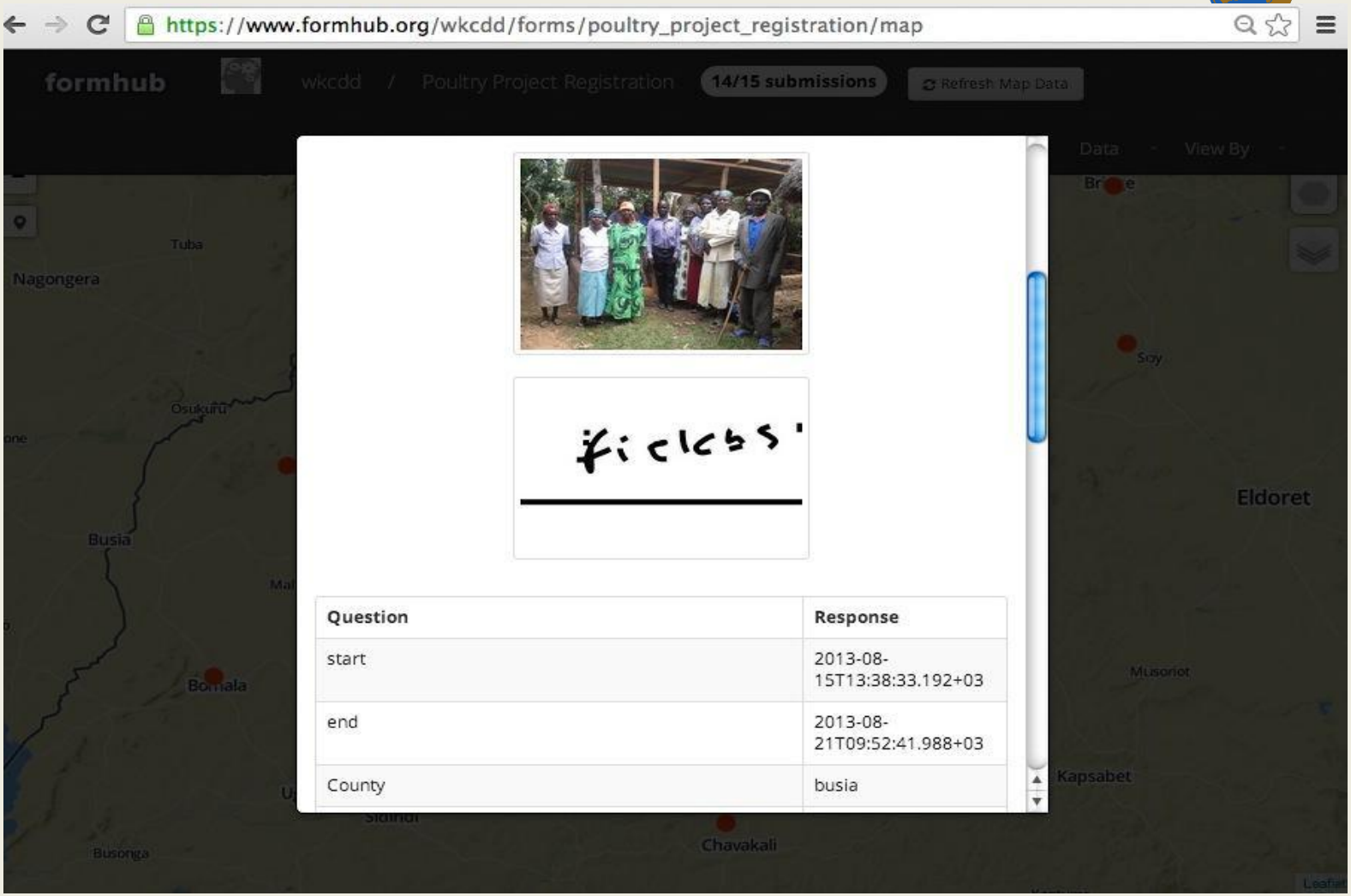
IMPROVED ACCOUNTABILITY BY INTEGRATING GPS AND TIME STAMPS INTO DATA COLLECTION



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- Improved accountability by integrating GPS and time stamps into data collection
- Improves ability to interpret data by adding geo-spatial level analysis

GEO-SPATIAL ANALYSIS OF COLLECTED SURVEY DATA

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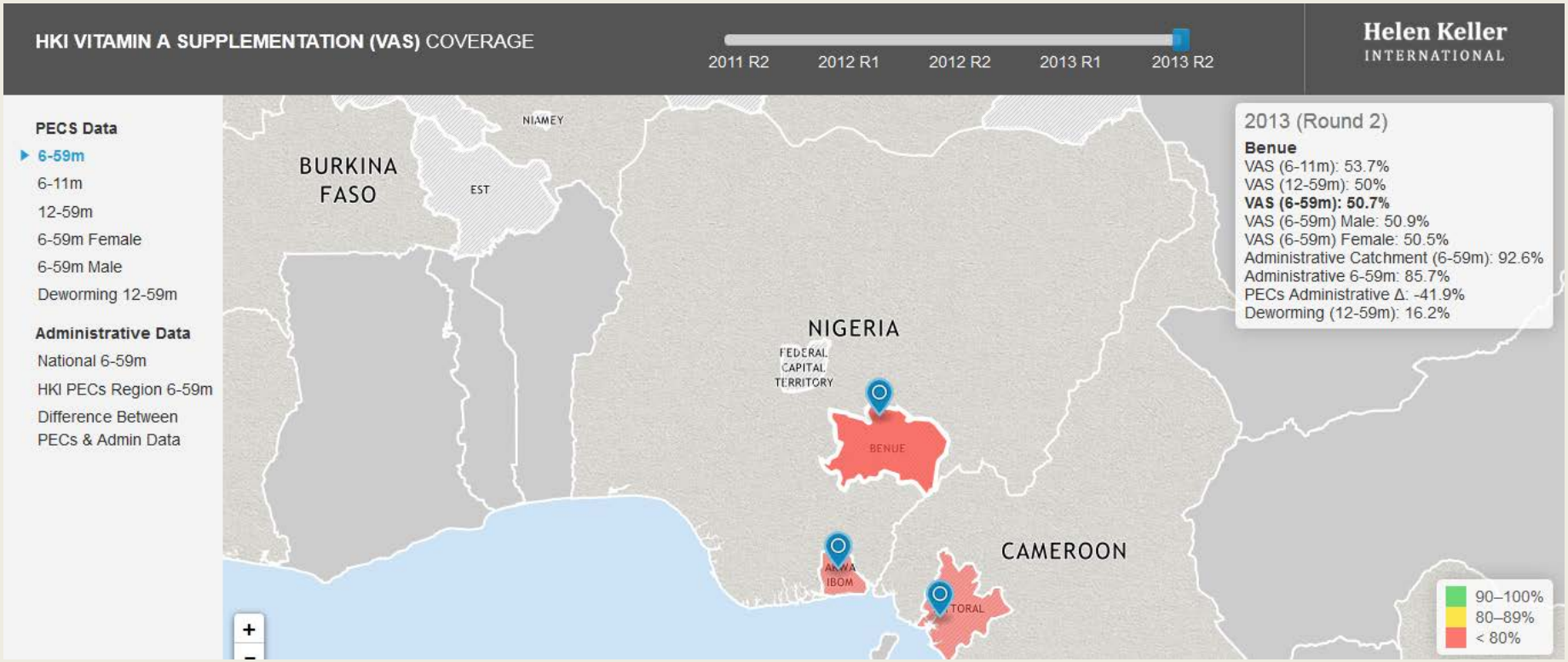

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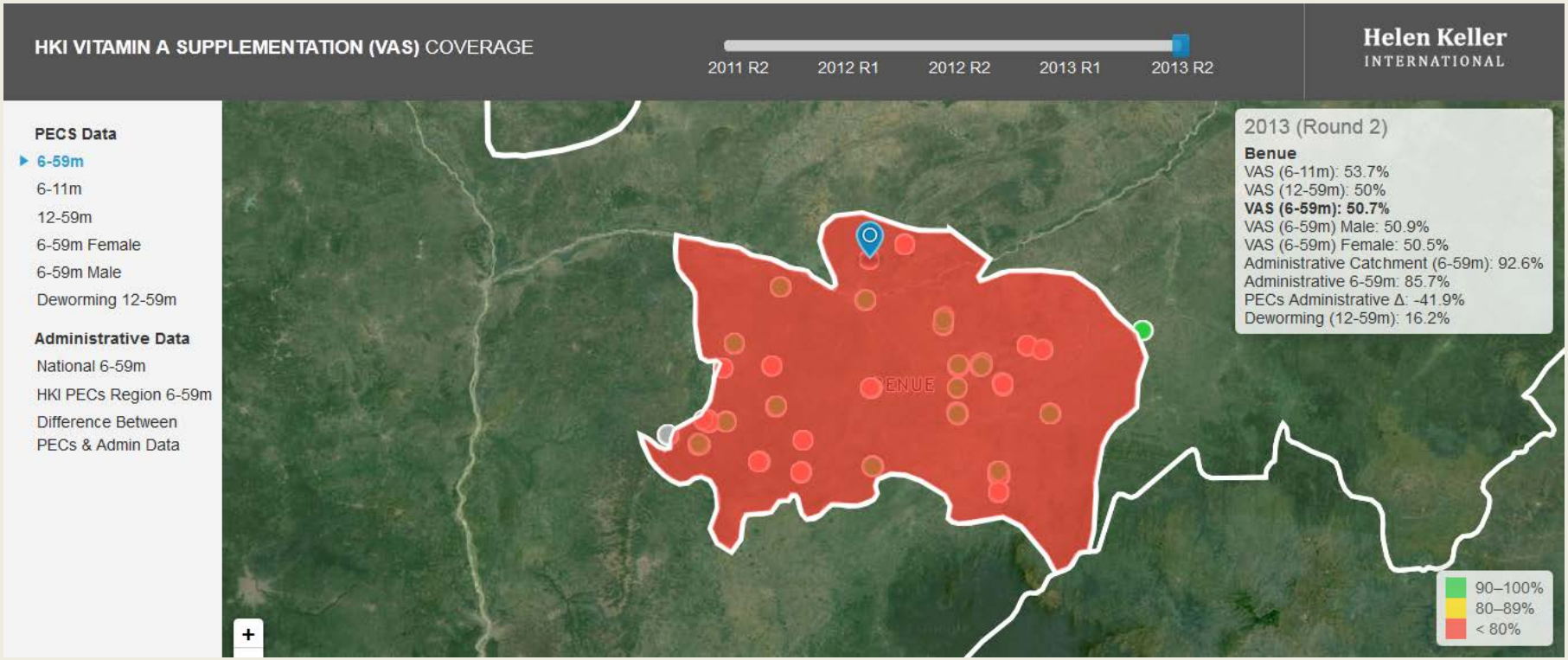

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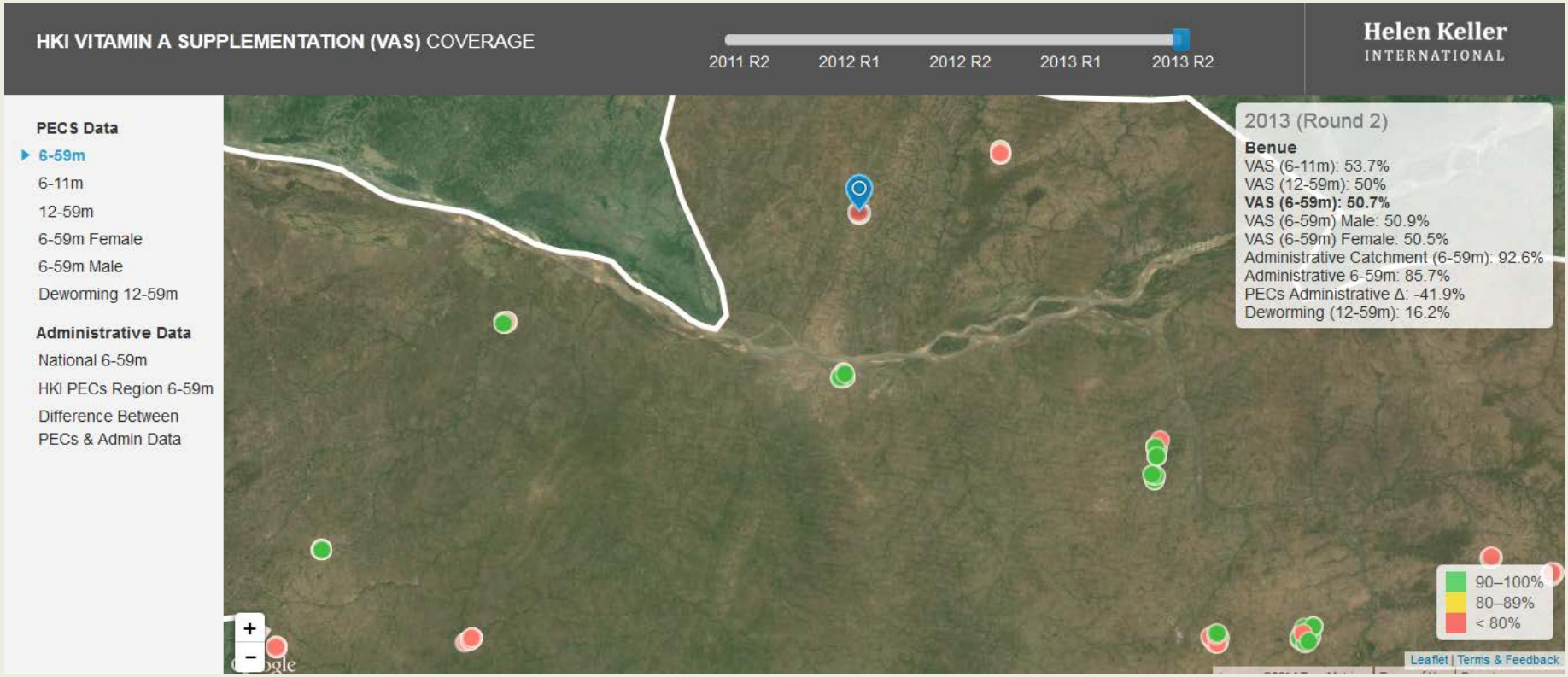

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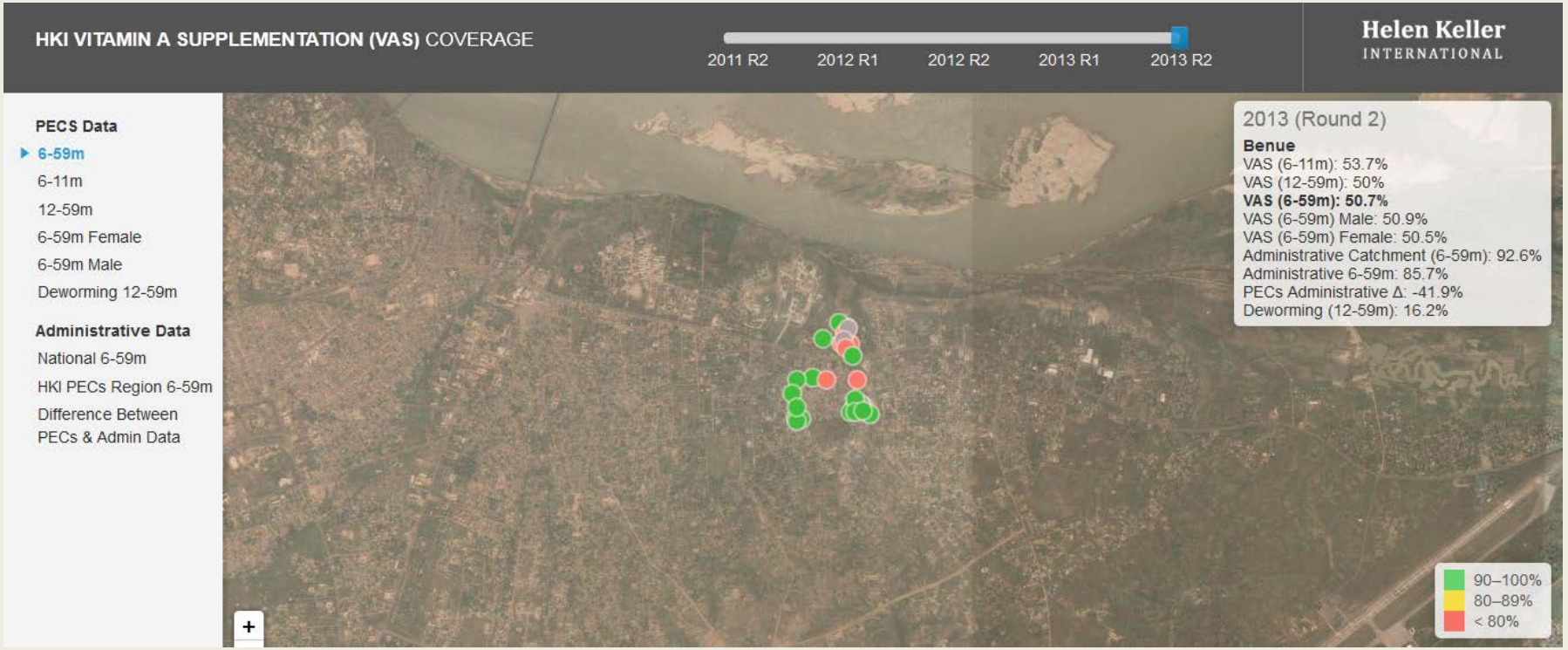

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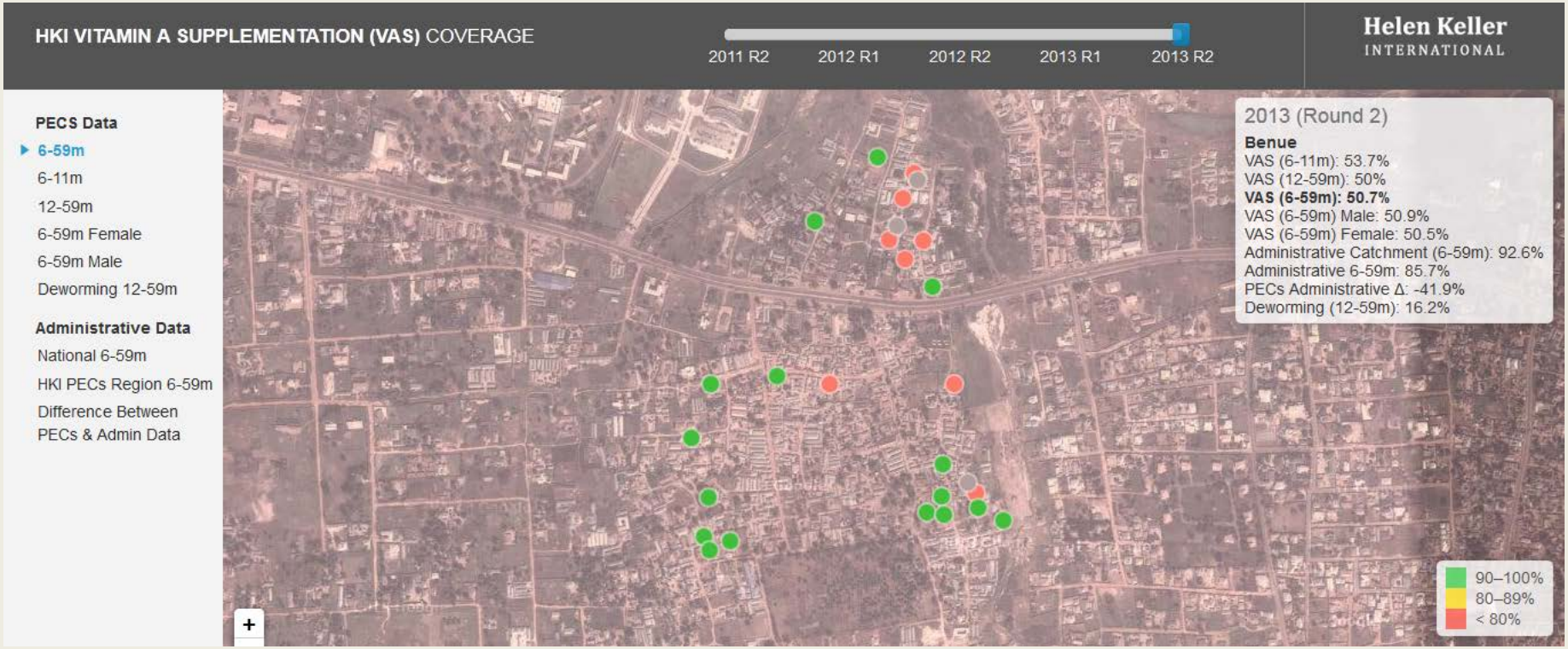

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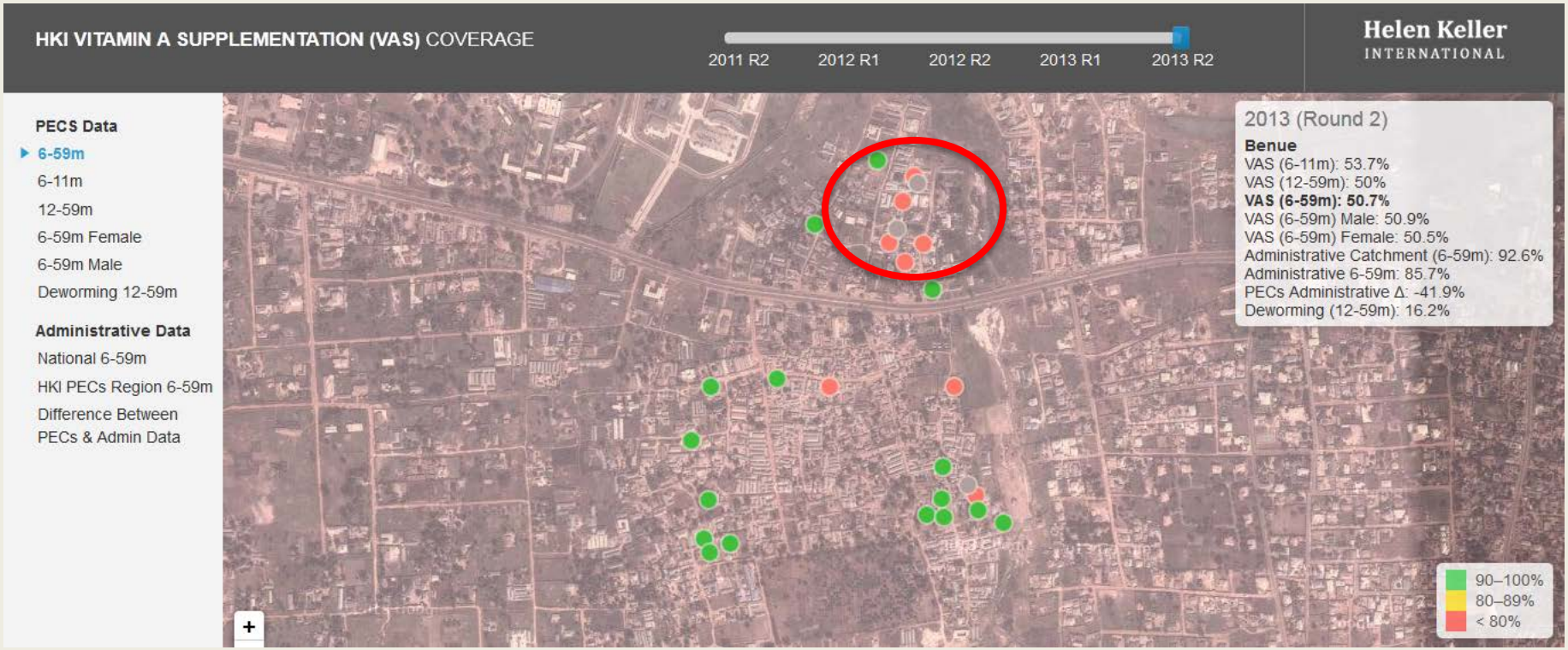

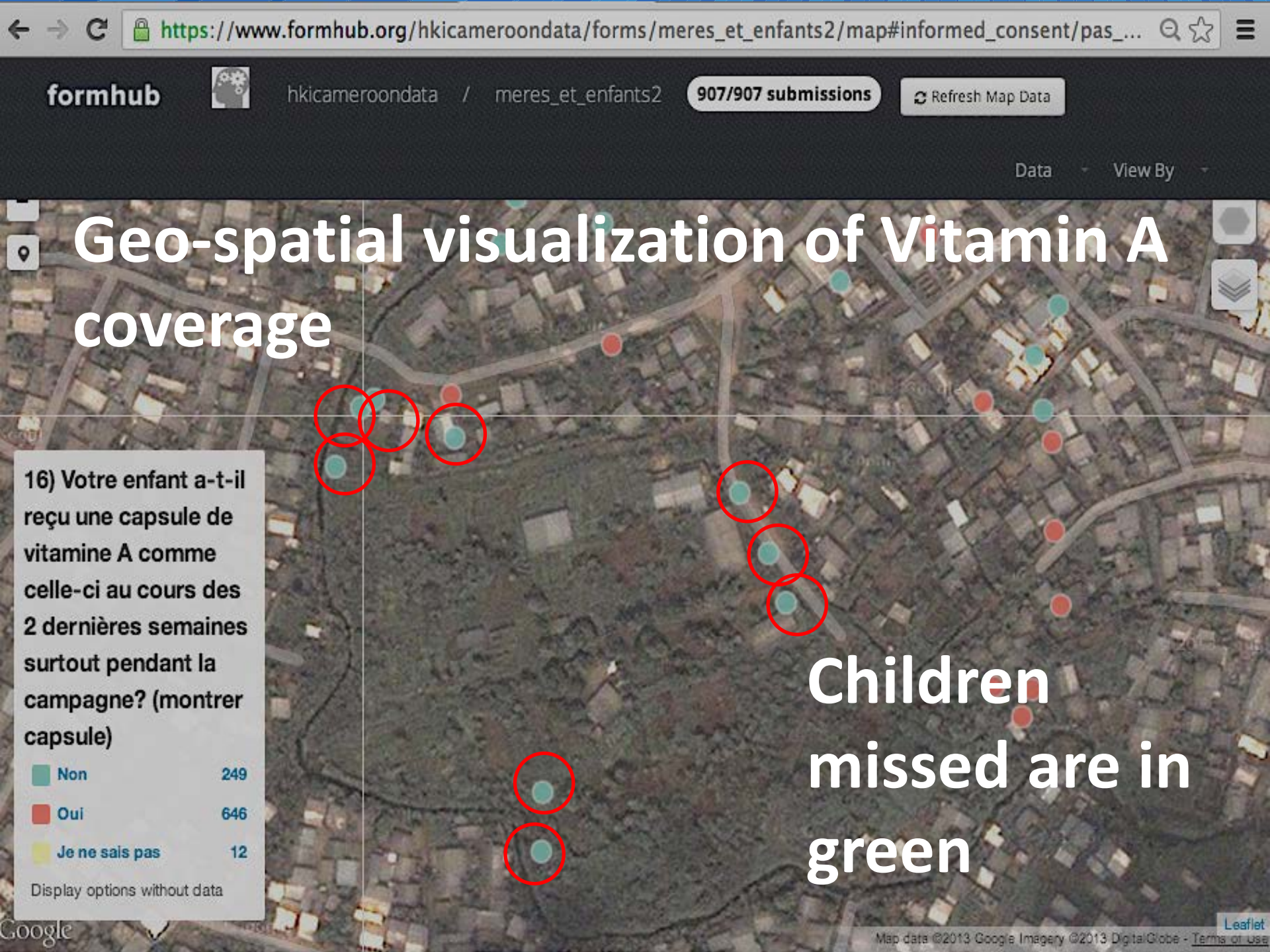
https://www.formhub.org/hkicameroondata/forms/meres_et_enfants2/map#informed_consent/pas_...
formhub
hkicameroondata / meres_et_enfants2
907/907 submissions
Refresh Map Data
Data
View By
Geo-spatial visualization of Vitamin A coverage
16) Votre enfant a-t-il reçu une capsule de vitamine A comme celle-ci au cours des 2 dernières semaines surtout pendant la campagne? (montrer capsule)
Non 249
Oui 646
Je ne sais pas 12
Display options without data
Children missed are in green
Google
Leaflet
Map data ©2013 Google Imagery ©2013 DigitalGlobe - Terms of Use

INTEGRATION OF MOBILE TECHNOLOGY INTO ROUTINE PROGRAMME MONITROING

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- In addition to collection of survey data, mobile technology has been integrated in the collection of routine monitoring data.

- Use of mobile technology is advantageous due to:
  - Speed of information transfer
  - Allows data to flow both ways with feedback loops and triggered responses

- Does not replace oversight systems, only facilitates the ability to use data to infrom programmatic decisions

USE OF MOBILE TECHNOLOGY FOR TALLY SHEETS/ADMINISTRATIVE DATA

Use of structured SMS for tally sheets

Tally Sheet Vitamin A

+POST	235	Post Number	
	Received	Used	Returned
+V100	1000	800	100
	Received	Used	Returned
+V200	1200	950	126
	6-11M	12-59M	
+VITA	201	468	

```
+POST 235 +V100 1000 800 100 +V200 1200 950 126 +VITA 201
468
```

SUPPORTIVE SUPERVISION

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- Aggregation of supervision data for review
  - Improved accountability of supervision
  - Triggered response to address immediate actions needed
    - Stockouts

Dashboard | Health Units | Reporters | Map | Message Tester | Reporters and Groups | Messaging | Message Log | FIND

Gulu District Health Units

Code	Name	Type	HSD	Reporters	Last Report
GULU008	Awach	HC IV	Aswa HSD	3	16/11/2009
GULU085	Paibona	HC II	Aswa HSD	3	23/11/2009
GULU057	Coope	HC III	Aswa HSD	2	24/11/2009
GULU034	Pabwo	HC III	Aswa HSD	2	23/11/2009
GULU052	Punena	HC II	Aswa HSD	2	23/11/2009
GULU058	Kal-Ali	HC II	Aswa HSD	4	23/11/2009
GULU046	Tegotato	HC II	Aswa HSD	5	23/11/2009
GULU029	Omel	HC II	Aswa HSD	2	23/11/2009
GULU013	Cwero	HC III	Aswa HSD	2	23/11/2009
GULU087	Lapeta	HC II	Aswa HSD	2	23/11/2009
GULU047	Unyama	HC II	Aswa HSD	2	23/11/2009
GULU019	Labworomor	HC III	Aswa HSD	2	25/11/2009
GULU088	Oroko	HC II	Aswa HSD	1	23/11/2009
GULU037	Lugore	HC II	Aswa HSD	2	24/11/2009
GULU036	Patiko	HC III	Aswa HSD	4	23/11/2009
GULU040	Pugwinyi	HC II	Aswa HSD	2	23/11/2009
GULU015	Gulu Referral	Hospital	Gulu Municipality HSD	1	N / A
GULU105	Karin	HC II	Gulu Municipality HSD	0	N / A

Done — 2 active downloads (Unknown time remaining)

MAPPING OF SUPPORTIVE SUPERVISION VISITS

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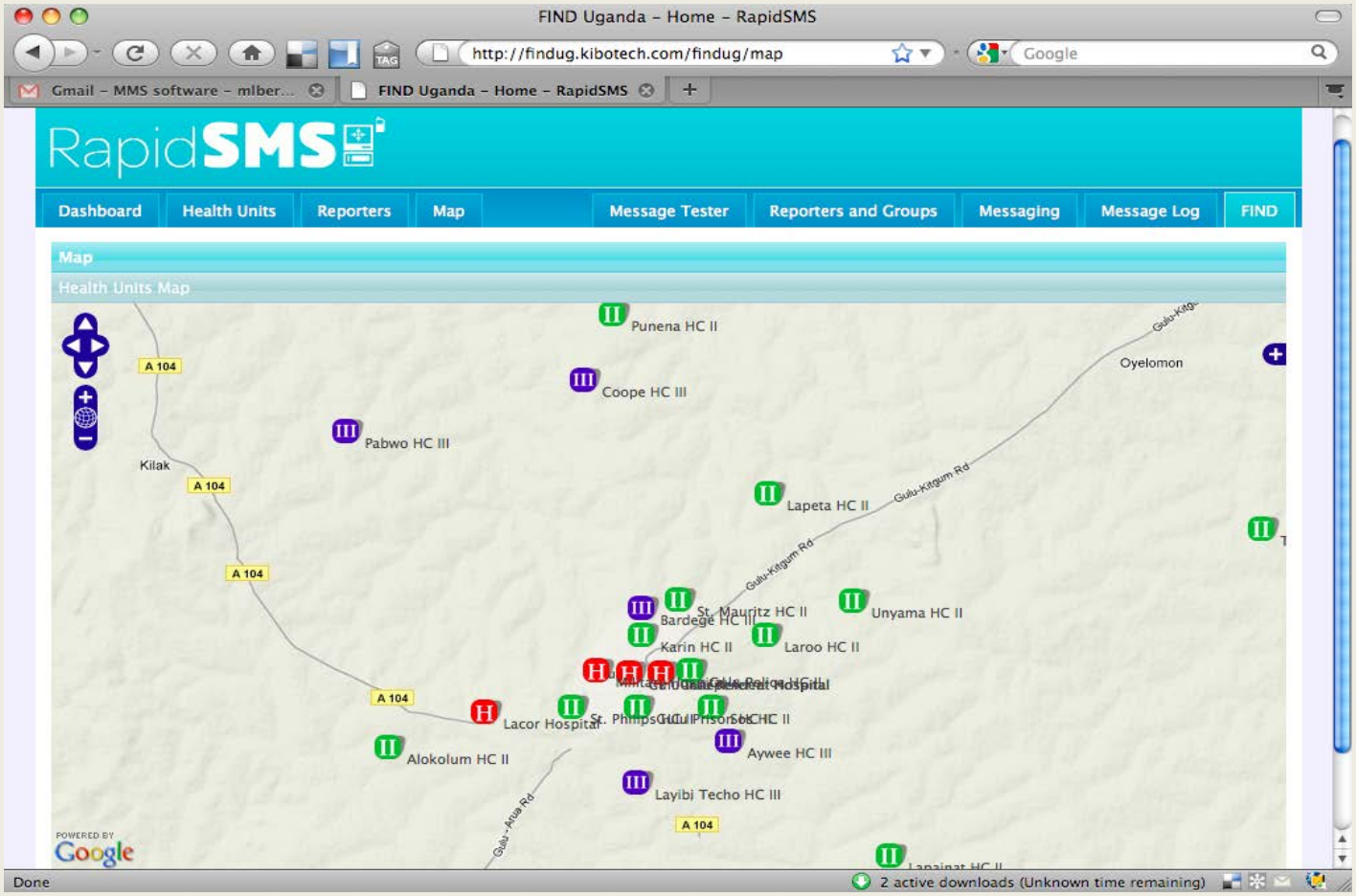

REMINDERS FOR COMMUNITY MOBILIZERS AND CAREGIVERS

Bring your child for Vitamin A and Deworming to Child Health Days from 5th – 17th October at your nearest health facility at no cost

Attention: *Abdoulaye Diop* qui a 6 mois aujourd'hui, doit se rendre au poste de santé *Cs Ouakam* pour recevoir une dose de supplémentation en Vitamine A.

DATABASE OF KEY STAKEHOLDERS FOR COMMUNITY MOBILIZATION INITIATION

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vitamin.herokuapp.com/add/ - Google Chrome

Sun Feb 24 5:15 PM Michael Turek

vitamin.herokuapp.com/add/

vitamin Dashboard Data Reporters About Account

Add Reporter

Name:

Phone:

Submit

Current Reporters

Name	Phone Number
Michael Turek	18579287141

CONCLUSION

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- Mobile phone technology improves the speed and accuracy of data collection for surveys and routine monitoring.

- Reduced turn around time from data collection to interpretation improves the ability of programme managers to use data to implement course correction in a timely manner

Government of Canada / Gouvernement du Canada

ACKNOWLEDGEMENTS

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HKI gratefully acknowledges the generous support of the Canadian Government for this work.

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