

Iraq Polio Mop Up Campaign June 2014

Intra-campaign monitoring



June 2014

Prepared by World Health Organization

KEY RESULTS

770

households surveyed in Mada'in and Al Hamza districts

0

districts with unacceptable coverage

38

population areas (one or more households) missed

IRAQ POLIO MOP-UP INTRA-CAMPAIGN MONITORING

Following the notification of a second confirmed polio case from Al Hamza district, Diwaniya Governorate (with the child originally coming from Mada'in district, Baghdad-Resafa Governorate), the WHO Iraq country office and Ministry of Health conducted a mop up polio vaccination campaign in June 2014.

Mada'in and Al Hamza districts were surveyed during intra-campaign monitoring. 40 surveyors worked over three days to survey a total of 1,287 children under five and 770 households.

The results of intra-campaign monitoring are presented in this report, with conclusions and recommendations to inform future rounds of polio immunisation in Iraq.

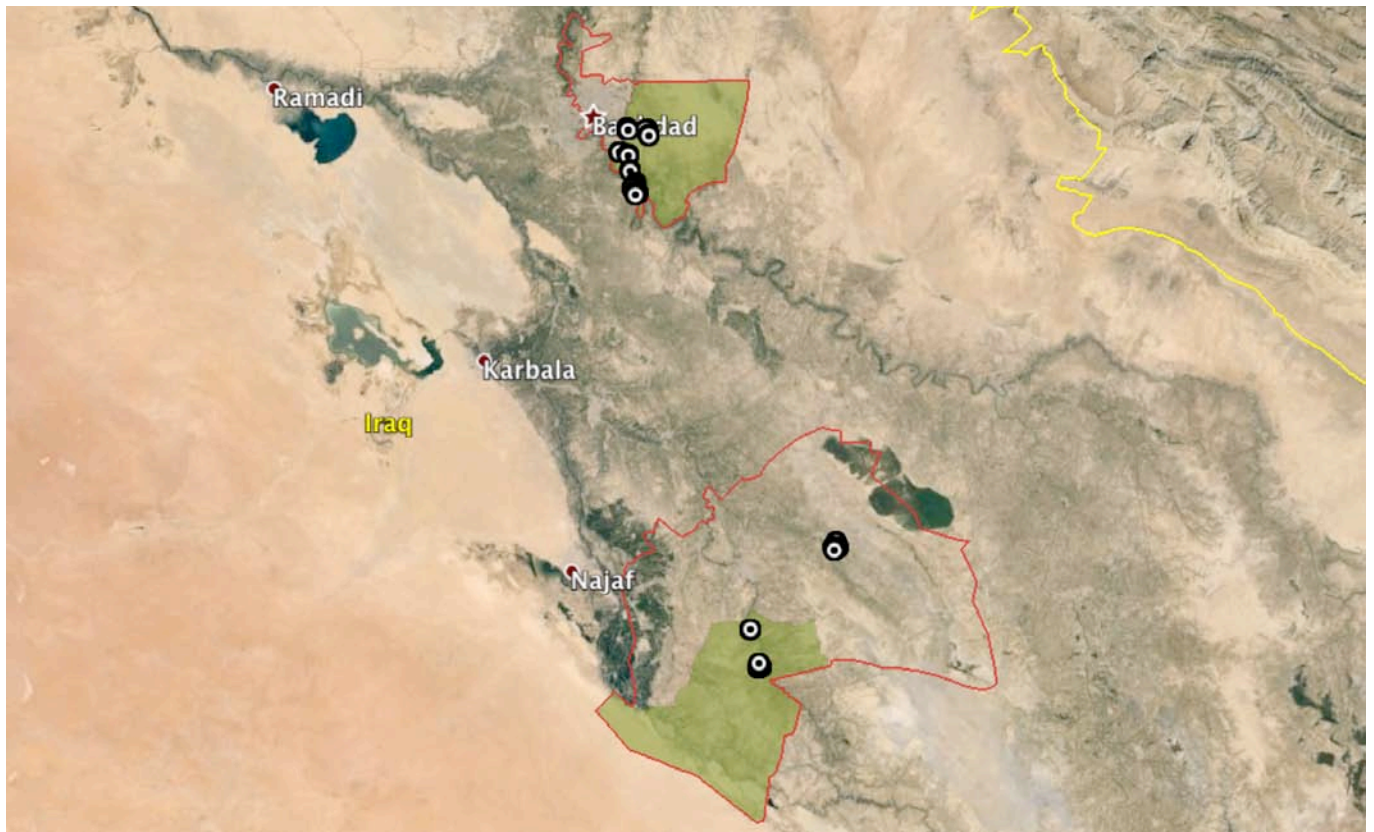


Figure 1. Map showing the locations of households surveyed during intra-campaign monitoring in Iraq (as dots). Red lines outline Baghdad-Resafa and Diwaniya Governorates, Green shading highlights Al Hamza and Mada'in Districts.

METHODS



Data Collection

20 teams (of two surveyors) were trained in the use and application of mobile information technology for polio intra-campaign monitoring. Teams were allocated respective clusters within Al Hamza and Mada'in districts and were responsible for selection of survey households using simple random sampling.

Each team surveyed 30 households each day and worked in one cluster over three days, surveying a different area within the cluster on each survey day. A total of 770 households and 1,287 children under five were surveyed. Two phones (one from each district) had not submitted data at the time of this report. Standard questions were used in the household survey. A paper version was completed if electronic data entry was not feasible within any household and entered electronically afterwards.

Mobile information technology

Data were entered electronically using mobile information technology and GPS co-ordinates of each household recorded. Data were uploaded in real-time to a central server for data analysis and reporting. Mobile information technology enabled standardised, coded data to be collected, analysed and reported in real-time, and has the potential to inform polio planning and programming at different levels of decision-making, from district to national level and beyond.

Statistical analysis

Data were downloaded from the server and restructured according to the number of children under five residing in each household. Associations between variables were considered significant at p -value < 0.05 in univariable analysis. Odds Ratios, with associated 95% confidence intervals and p -values, are presented where appropriate.

Team	Province	District	HH
001	Baghdad-Resafa	Mada'in	33
002	Baghdad-Resafa	Mada'in	29
003	Baghdad-Resafa	Mada'in	22
004	Baghdad-Resafa	Mada'in	30
005	Baghdad-Resafa	Mada'in	31
006	Baghdad-Resafa	Mada'in	32
007	Baghdad-Resafa	Mada'in	32
008	Baghdad-Resafa	Mada'in	30
009	Diwaniya	Al Hamza	113
010	Diwaniya	Al Hamza	Missing
011	Diwaniya	Al Hamza	30
012	Diwaniya	Al Hamza	60
013	Diwaniya	Al Hamza	60
014	Diwaniya	Al Hamza	113
015	Diwaniya	Al Hamza	60
016	Diwaniya	Al Hamza	12
017	Diwaniya	Al Hamza	55
018	Diwaniya	Al Hamza	60
019	Diwaniya	Al Hamza	60
020	Diwaniya	Al Hamza	Missing
Total	2 provinces	2 districts	770 HH

Table 1. Households visited during intra-campaign monitoring, by district and province

RESULTS

- A total of 1,287 children under five and 770 households in Mada'in and Al Hamza districts were surveyed during intra-campaign monitoring.
- Al Hamza and Mada'in districts both reported greater than 90% polio immunisation coverage (High Pass).
- 38 population areas (one or more households) surveyed were missed by polio vaccination. Documented routine immunisation in areas missed by vaccination was very low (see Table 3)

Province	District	Polio coverage (Recall) %	n/N
Baghdad-Resafa	Mada'in	91.7	363/396
Diwaniya	Al Hamza	96.5	860/891

Table 2. District reported polio campaign coverage

Province	District	Population areas not vaccinated during the polio campaign (based on Recall)	Documented Routine Immunisation	Household Awareness
Baghdad-Resafa	Mada'in	18	0.0%	83.3%
Diwaniya	Al Hamza	20	15.0%	90.0%
Total		38	7.9%	86.8%

Table 3. Population areas (one or more households) not vaccinated during intra-campaign monitoring visits

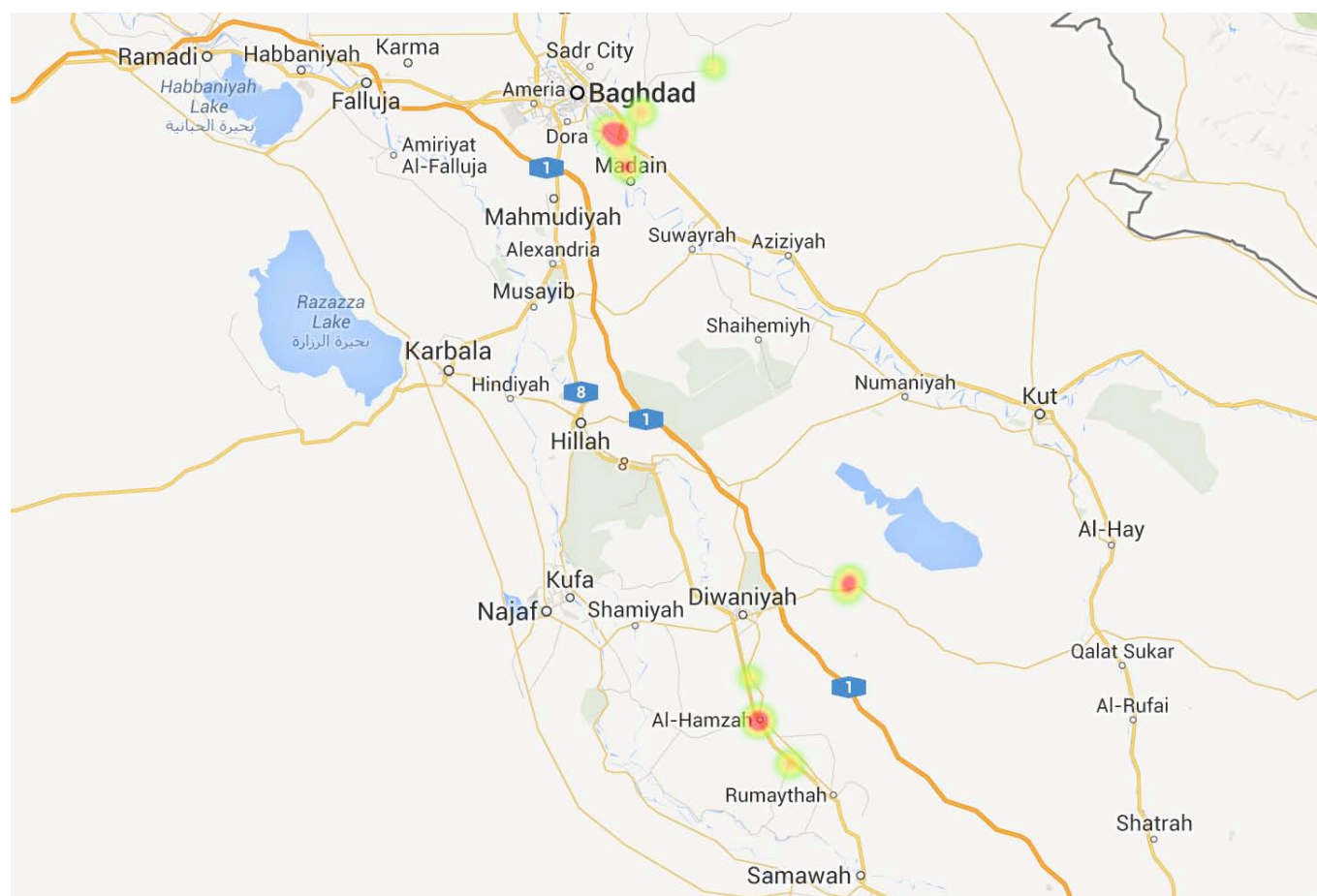


Figure 2. Heatmap of population areas not vaccinated during intra-campaign monitoring visits for June 2014 polio mop-up campaign