

## TECHNICAL REPORT

### SECOND ROUND OF NATIONAL IMMUNIZATION DAYS

#### Introduction

The country conducted the second round of the 2009 NIDs from 26<sup>th</sup> -28<sup>th</sup> March 2009 as part of the response to the polio cases identified in the country in the last quarter of 2008.

The general objectives for the 2009 National Immunization Days against Poliomyelitis was to sustain the gains made in Ghana's polio eradication history and maintain Ghana's track on polio certification. The specific objectives for the campaign were to:

1. Increase the protection level of children less than 5 years against polio
2. To identify and investigate all cases of acute flaccid paralysis

#### Timing and Strategy

As stated already the second round was held from 26<sup>th</sup> -28<sup>th</sup> March, 2009. The strategy was house-to-house. Fixed posts were mounted at markets, police barriers and other transit points. Camp-out teams were also deployed to islands, riverine and hard to reach communities.

#### Results

| <b>Region</b>   | <b>Target (Number of children vaccinated in 1st round)</b> | <b>Total No. Vaccinated in 2nd round</b> | <b>COV</b>   |
|-----------------|--|--|--------------|
| Ashanti         | 939,588  | 968,160                                  | 103.0        |
| Brong-Ahafo     | 459,946  | 468,250                                  | 101.8        |
| Central         | 389,252  | 366,483                                  | 94.2         |
| Eastern         | 512,946  | 525,287                                  | 102.4        |
| Greater Accra   | 677,247  | 733,032                                  | 108.2        |
| Northern        | 585,162  | 623,663                                  | 106.6        |
| Upper East      | 214,829  | 238,473                                  | 111.0        |
| Upper West      | 145,589  | 146,891                                  | 100.9        |
| Volta           | 384,081  | 401,415                                  | 104.5        |
| Western         | 498,622  | 516,937                                  | 103.7        |
| <b>National</b> | <b>4,807,262</b>   | <b>4,988,591</b>                         | <b>103.8</b> |

## Analysis of Results

| Ranges            | Round Two |         |             |
|-------------------|-----------|---------|-------------|
|                   | Frequency | Percent | Cum Percent |
| <b>Below 80</b>   | 1         | 0.6     | 0.6         |
| <b>Btn 80-90</b>  | 3         | 1.7     | 2.3         |
| <b>Btn 90-100</b> | 48        | 27.4    | 29.6        |
| <b>Above 100</b>  | 123       | 70.3    | 100.0       |
| <b>Total</b>      | 175       | 100.0%  | 100.0%      |

From the analysis, only one district recorded less than 80%. This was Twifu-Hemang-Lower-Denkyira from the Central Region. Three districts recorded between 80-90%. These were Gomoa East, Upper Denkyira and Ayawaso Sub-metro.

## Acute Flaccid Paralysis Cases Identified

| Regions        | Round 2 |
|----------------|---------|
| Ashanti        | 1       |
| Brong-Ahafo    | 1       |
| Central        | -       |
| Eastern        | -       |
| Greater Accra  | -       |
| Northern       | 3       |
| Upper East     | -       |
| Upper West     | 1       |
| Volta          | -       |
| Western        | -       |
| National total | 6       |

## Independent Assessment of the Second Round

The Kintampo Rural Health Training School to conduct an independent assessment of the second round of the 2009 national immunization days in all districts in the country.

## **Results**

| <b>District/Region</b> | <b>Children in household visited</b> | <b>Total vaccinated</b> | <b>Percentage Vaccinated</b> | <b>Missed Children</b> | <b>Children missed in Completed houses</b> |
|------------------------|--------------------------------------|-------------------------|------------------------------|------------------------|--|
| <b>Greater Accra</b>   | 2,219                                | 2,168                   | 97.7                         | 51                     | 12   |
| <b>Western</b>         | 3,268                                | 3,191                   | 97.6                         | 77                     | 48   |
| <b>Ashanti</b>         | 5,237                                | 5,129                   | 97.9                         | 108                    | 58   |
| <b>Brong-Ahafo</b>     | 4,151                                | 4,062                   | 97.9                         | 89                     | 89   |
| <b>Upper East</b>      | 1,800                                | 1,767                   | 98.2                         | 33                     | 8  |
| <b>Northern</b>        | 4,655                                | 4,593                   | 98.7                         | 62                     | 46   |
| <b>Upper West</b>      | 1,960                                | 1,943                   | 99.1                         | 17                     | 13   |
| <b>Eastern</b>         | 4,069                                | 4,017                   | 98.7                         | 52                     | 52   |
| <b>Central</b>         | 2,833                                | 2,768                   | 97.7                         | 65                     | 46   |
| <b>Volta</b>           | 3,307                                | 3,213                   | 97.2                         | 94                     | 48   |
| <b>National</b>        | 33,499                               | 32,851                  | 98.1                         | 648                    | 420  |

The assessment revealed that out of a total of 33,499 children assessed 32,851 were vaccinated giving coverage of 98.1 nationally. The highest coverage of 99.1% was achieved in the Upper West Region. Ashanti Region recorded the highest number of missed children. All children missed in Brong-Ahafo (89) and Eastern (52) Regions were seen in houses marked as completed.

## **STRENGTHS**

- Adequate logistics supplied
- Adequate transport at district levels
- Effective and committed monitoring teams
- Special population identified and planned to reach out to them
- Organization of daily review meeting with supervisors
- Effective collaboration with other sectors

## **WEAKNESS**

- Most Supervisors not endorsing the back of tally sheet
- Incomplete filling of summary sheet and miscalculation by teams, some team supervisors and sub district coordinators.
- Revisits not recorded on tally sheets