COUNTRY PROFILE SUPPLEMENT

TO THE

CDC ASSESSMENT OF RISKS TO THE GLOBAL POLIO ERADICATION INITIATIVE (GPEI) STRATEGIC PLAN 2010-2012

20 Sept 11	2011 Third Quarter Report

Notes:

Please refer to the CDC Risk Assessment for details on the data sources.

Not all sub national results can be calculated for every country. When calculating the percent of states\province we limited the regions to those meeting the following criteria:

- Percent 0-dose and 4+ doses: states\prov. with ≥ 15 NPAFP cases, and a population of ≥ 100,000 under 15 year old children
- NPAFP rate: states\prov. with a population of ≥ 100,000 under 15 year old children
- Adequate stool: all states\prov. with at least 1 AFP case

Absence of independent monitoring data does not always indicate monitoring was not done; rather the data were not available at the time of this report. For countries such as Afghanistan, Pakistan, and South Sudan the region shared limited IM data specific for the Major Process Indicators, these data are not shown here. The National Polio Surveillance Project provided summarized independent monitoring data for India which also do not appear in this supplement. Not all of the rounds, start dates, and antigens could be verified.

Case data as of 7 September 2011.

Afghanistan

Total number of states \ provinces: **32**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **66%** Pol3 **66%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children
3.2%	Non-adjusted **86.7% (13 of 15)** % within acceptable range **93.3% (14 of 15)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children
88.8%	Non-adjusted **86.7% (13 of 15)** % within acceptable range **86.7% (13 of 15)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVb	03-Oct-10				
NID-OPVt	07-Nov-10				
SNID-OPVb	12-Dec-10				
SNID-OPVb	30-Jan-11				
NID-OPVb	13-Mar-11				
NID-OPVt	02-May-11				
SNID-OPVb	05-Jun-11				
SNID-OPVb	10-Jul-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	17	11	18	10	15-Aug-11
W3	8	6	0	0	11-Apr-10
cVDPV 2	4	1	1	1	11-Jan-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2
9.2	Non-adjusted **100% (31 of 31)** % within acceptable range **100% (31 of 31)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%
93.2%	Non-adjusted **90.6% (29 of 32)** % within acceptable range **100% (32 of 32)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **91%**

Poliovirus History

WPV1 viruses from two genetic clusters were isolated in 2011. They represent local transmission as well as importations from Baluchistan. One cluster represents indigenous transmission, particularly in Helmand province, as well as some cross-border transmission with Pakistan in Kandahar province. Another cluster represents indigenous transmission in and around Kandahar. Two importations from the active cluster in Baluchistan, Pakistan were observed. □□One of the recent isolates in 2011 is most closely related to viruses circulating in Pakistan, but has much less than expected genetic linkage. Based upon the close genetic linkage among some of the virus isolates, there are probably not significant missed chains of transmission in much of Afghanistan. However, a few isolates have less genetic linkage than expected, including an example of significant missed transmission, which is an indication that surveillance has gaps at the sub-national level, possibly shared with Pakistan.

Data Completeness

Percent of NPAFP cases with unknown age | **0%**

Afghanistan

Total number of states \ provinces: **32**

Percent of 6-35 month old NPAFP cases with unknown dose history   **0%**

Angola   Total number of states \ provinces: **18**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **91%**   Pol3 **92%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
13.7%	Non-adjusted **25% (1 of 4)**	% within acceptable range **75% (3 of 4)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
30.1%	Non-adjusted **0% (0 of 4)**	% within acceptable range **0% (0 of 4)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	01-Oct-10	7.6	9.7	88% (15 of 17)	82% (14 of 17)
NID-mOPV1	29-Oct-10	9	9.9	72% (13 of 18)	67% (12 of 18)
SNID-OPVm1	03-Dec-10				
SNID-OPVm1	26-Dec-10				
SNID-mOPV1	25-Feb-11	6.7	7.5	100% (6 of 6)	83% (5 of 6)
NID-bOPV+m1	25-Mar-11	7.3	8.4	72% (13 of 18)	67% (12 of 18)
NID-bOPV+m1	28-Apr-11	6.1	8	100% (15 of 15)	87% (13 of 15)
NID-bOPV+m1	27-May-11	6.7	7.7	93% (14 of 15)	87% (13 of 15)
SNID-bOPV	08-Jul-11	8.6	8	75% (3 of 4)	75% (3 of 4)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	33	18	4	1	27-Mar-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.7	Non-adjusted **83.3% (15 of 18)**	% within acceptable range **100% (18 of 18)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85.9%	Non-adjusted **77.8% (14 of 18)**	% within acceptable range **88.9% (16 of 18)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **53.8%**

Poliovirus History

The WPV1 viruses in Angola during the end of 2010 and in 2011 represent a continuing outbreak resulting from importation from India in 2007. Only one genetic cluster has been observed. In 2010, cases were distributed widely including the northeastern part of the country and included moderate regional transmission. The four cases from 2011 were located in the southern part of the country. The cases in 2011 represent continued circulation from 2010 and not a new importation, marking the fourth consecutive year of transmission of this virus. Based upon multiple isolates from 2010 with less genetic linkage than expected, there is indication that surveillance may have gaps at the sub-national level.

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **8.9%** |

Benin   Total number of states \ provinces: **12**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3 **83%**   Pol3 **83%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
9.4%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
47.2%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	19-Nov-10	2.9		100% (12 of 12)	
NID-bOPV	17-Dec-10	3	32.9	92% (11 of 12)	29% (2 of 7)
NID-bOPV+t	31-May-11	7.4	11.7	50% (6 of 12)	50% (6 of 12)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.4	Non-adjusted **58.3% (7 of 12)**	% within acceptable range **91.7% (11 of 12)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
87.8%	Non-adjusted **83.3% (10 of 12)**	% within acceptable range **100% (12 of 12)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **40.4%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**3.8%**

Burkina Faso   Total number of states \ provinces: **13**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **95%**   Pol3   **94%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
3.3%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
78.7%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	11-Nov-10	1.8	9.2	100% (13 of 13)	62% (8 of 13)
NID-mOPV1	10-Mar-11	1.4	4.4	100% (13 of 13)	92% (12 of 13)
NID-bOPV	29-Apr-11	1.3	8.8	100% (13 of 13)	54% (7 of 13)
NID-bOPV+t	03-Jun-11	2.2	8.6	100% (13 of 13)	69% (9 of 13)
NID-bOPV	01-Jul-11	1.4	6.4	100% (13 of 13)	85% (11 of 13)
SNID-bOPV	29-Jul-11	1.3	6.5	100% (7 of 7)	71% (5 of 7)
SNID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W3	0	0	2	2	15-Jun-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.5	Non-adjusted **61.5% (8 of 13)**	% within acceptable range **84.6% (11 of 13)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
82.6%	Non-adjusted **53.8% (7 of 13)**	% within acceptable range **84.6% (11 of 13)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **34.4%**

Poliovirus History

Burkina Faso was polio-free in 2010 until two WPV3 cases were detected in 2011 in two locations. The WPV3 viruses in Burkina Faso during 2011 represent two importations in the border regions with Mali and Cote d'Ivoire. Based upon the close genetic linkage among the virus isolates and the closest match from Mali or Cote d'Ivoire, there is no indication of significant missed chains of transmission.

Data Completeness

Percent of NPAFP cases with unknown age	**0.5%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**14.8%**

Burundi   Total number of states \ provinces: **17**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **96%**   Pol3   **94%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
14.3%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVm1	16-Nov-10				
NID-OPVm1	14-Dec-10				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.5	Non-adjusted **52.9% (9 of 17)**	% within acceptable range **70.6% (12 of 17)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
91%	Non-adjusted **75% (12 of 16)**	% within acceptable range **93.8% (15 of 16)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **37.6%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **1%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **14.3%** |

Cameroon   Total number of states \ provinces: **10**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **84%**   Pol3 **83%** |

Non Polio AFP Profile

Percent 0-dose (national) **5.1%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (1 of 1)** % within acceptable range **100% (1 of 1)**
Percent 4+ doses (national) **35.9%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 1)** % within acceptable range **0% (0 of 1)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVb	28-Nov-10				
SNID-bOPV	01-Apr-11	8.5	8.8	50% (2 of 4)	25% (1 of 4)
SNID-bOPV	12-May-11	6.2	7.2	75% (3 of 4)	75% (3 of 4)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national) **2**	Percent states with NPAFP rate >= 2 Non-adjusted **40% (4 of 10)** % within acceptable range **80% (8 of 10)**
% adequate stools (nat.) **85.9%**	Percent states with adequate stool proportion >= 80% Non-adjusted **80% (8 of 10)** % within acceptable range **100% (10 of 10)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **14.8%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **1.3%** |

Central African Republic   Total number of states \ provinces: **7**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **54%**   Pol3   **47%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
3.6%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
20%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	02-Nov-10	12.1	15.9	40% (2 of 5)	0% (0 of 5)
NID-tOPV	03-Jun-11	13.3	17.8	20% (1 of 5)	0% (0 of 5)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
5.8	Non-adjusted **83.3% (5 of 6)**	% within acceptable range **100% (6 of 6)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85.1%	Non-adjusted **85.7% (6 of 7)**	% within acceptable range **100% (7 of 7)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **61.8%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age   **0.8%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **38.2%**

Chad   Total number of states \ provinces: **18**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **59%**   Pol3   **63%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
13.3%	Non-adjusted **50% (1 of 2)**	% within acceptable range **50% (1 of 2)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
54.8%	Non-adjusted **0% (0 of 2)**	% within acceptable range **0% (0 of 2)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-bOPV	14-Sep-10	15.4	17.8	0% (0 of 1)	0% (0 of 1)
NID-bOPV	29-Oct-10	13.6	30.2	62% (5 of 8)	38% (3 of 8)
SNID-bOPV	27-Nov-10	9.7	17	100% (1 of 1)	0% (0 of 1)
SNID-bOPV	10-Dec-10	9	14.2	88% (7 of 8)	12% (1 of 8)
SNID-bOPV+m1	20-Jan-11	8.1	9.3	67% (6 of 9)	56% (5 of 9)
NID-bOPV	18-Feb-11	7.7	10.7	80% (8 of 10)	60% (6 of 10)
SNID-bOPV+t	18-Mar-11	6.9	7.9	100% (5 of 5)	80% (4 of 5)
SNID-bOPV	15-Apr-11	5.8	5.7	100% (3 of 3)	100% (3 of 3)
NID-bOPV+t	15-May-11	8.4	13.8	80% (8 of 10)	40% (4 of 10)
NID-bOPV	30-Jun-11	8.4	16.5	64% (9 of 14)	57% (8 of 14)
NID-bOPV	29-Jul-11	8.2	13.2	80% (12 of 15)	44% (7 of 16)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	11	6	109	24	31-Jul-11
W3	15	10	3	1	10-Mar-11
cVDPV 2	1	1	0	0	10-Nov-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
5	Non-adjusted **100% (17 of 17)**	% within acceptable range **100% (17 of 17)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
82%	Non-adjusted **72.2% (13 of 18)**	% within acceptable range **94.4% (17 of 18)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **69.1%**

Poliovirus History

The WPV1 viruses in Chad during 2011 represent a large outbreak that was detected in autumn 2010 and expanded in early 2011. This outbreak consists of one genetic cluster with multiple lineages circulating throughout most of Chad. The viruses are related to viruses circulating in Northeast Nigeria in late 2010. The WPV3 virus in Chad from December 2010 and three WPV3 viruses from 2011 represent continuation of a large widespread outbreak resulting from importation in 2007. These viruses represent one of the three genetic clusters observed in 2010. Based upon several isolates with less genetic linkage than expected, there is some indication that surveillance may have gaps at the sub-national level.

Chad   Total number of states \ provinces: **18**

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

China   Total number of states \ provinces:

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **99%**   Pol3   **99%**

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*	
%	Non-adjusted	% within acceptable range

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
%	Non-adjusted	% within acceptable range

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	0	0	4	1	19-Jul-11

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*	
	Non-adjusted	% within acceptable range

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
%	Non-adjusted	% within acceptable range

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met	**%**

Poliovirus History

No indigenous WPV has circulated in China since 1994. The WPV1 viruses in China during 2011 represent a single importation from Pakistan and a lineage that has significant circulation in Sindh, but also detected in sewage from Lahore, with local circulation in western China. Based upon the close genetic linkage among the virus isolates, it is unlikely that there are significant missed chains of transmission.

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**0%**

Congo   Total number of states \ provinces: **11**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **90%**   Pol3   **90%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
15.2%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
33.3%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVm1	12-Nov-10				
NID-OPVm1	03-Dec-10				
NID-OPVb	11-Jan-11				
NID-OPVb	22-Feb-11				
SNID-OPVb	28-Apr-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	441	17	1	1	22-Jan-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
5.2	Non-adjusted **80% (4 of 5)**	% within acceptable range **80% (4 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
25%	Non-adjusted **27.3% (3 of 11)**	% within acceptable range **45.4% (5 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **7.1%**

Poliovirus History

The very large WPV1 outbreak in 2010 appears to have been the result of a single importation event into Congo from Angola, and not related to the ongoing outbreak in DRC. Because of the remarkably large percentage of cases without specimens, it is not possible to draw inference from the genetic linkage of isolates about surveillance sensitivity, but the circumstances of extremely poor specimen collection assure some degree of compromised virologic surveillance and provide little evidence that the end of the outbreak can be determined.

Data Completeness

Percent of NPAFP cases with unknown age   **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **21.2%**

Côte d'Ivoire   Total number of states \ provinces: **19**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **85%**   Pol3   **81%**

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*	
1.5%	Non-adjusted **100% (1 of 1)**	% within acceptable range **100% (1 of 1)**

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
35.8%	Non-adjusted **0% (0 of 1)**	% within acceptable range **0% (0 of 1)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	26-Oct-10	2.2	5.1	100% (19 of 19)	84% (16 of 19)
SNID-OPVm1	26-Nov-10				
SNID-bOPV	27-May-11	3.4	4.7	95% (18 of 19)	84% (16 of 19)
SNID-bOPV	24-Jun-11	3.1	4.2	95% (18 of 19)	95% (18 of 19)
NID-bOPV	29-Jul-11	4.2	4.1	89% (17 of 19)	95% (18 of 19)
NID-OPVb	19-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W3	0	0	34	23	24-Jul-11

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*	
3	Non-adjusted **63.2% (12 of 19)**	% within acceptable range **89.5% (17 of 19)**

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
66.6%	Non-adjusted **5.3% (1 of 19)**	% within acceptable range **52.6% (10 of 19)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **0%**

Poliovirus History

Cote d'Ivoire was polio-free in 2010 until detection of WPV3 cases in early 2011. A large outbreak of WPV3 viruses spread throughout Cote d'Ivoire. Based upon several isolates with less genetic linkage than expected, there is some indication that surveillance may have gaps at the sub-national level. The initial 2011 isolate also had much less genetic linkage than expected to the potential sources in Niger and/or Nigeria.

Data Completeness

Percent of NPAFP cases with unknown age | **2.1%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **21.9%** |

Democratic Republic of Congo   Total number of states \ provinces: **11**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **63%**   Pol3 **72%**

Non Polio AFP Profile

Percent 0-dose (national) **7.8%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **72.7% (8 of 11)** % within acceptable range **90.9% (10 of 11)**
Percent 4+ doses (national) **35.4%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 11)** % within acceptable range **0% (0 of 11)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-tOPV+m1	23-Sep-10	9.7	16.3	56% (5 of 9)	33% (3 of 9)
SNID-bOPV+t+m1	28-Oct-10	6.8	11.1	100% (9 of 9)	56% (5 of 9)
SNID-mOPV1	12-Nov-10	3.8	8.4	100% (1 of 1)	100% (1 of 1)
SNID-bOPV+t+m1	25-Nov-10	5.1	7.8	88% (7 of 8)	71% (5 of 7)
SNID-mOPV1	20-Jan-11	9.1	6.1	50% (1 of 2)	100% (2 of 2)
SNID-tOPV+m1	24-Feb-11	6.6	5.3	80% (4 of 5)	75% (3 of 4)
SNID-mOPV1	23-Mar-11	4.3	11.7	100% (1 of 1)	0% (0 of 1)
SNID-tOPV	31-Mar-11	5.3	4.6	100% (1 of 1)	100% (1 of 1)
NID-bOPV+m1	28-Apr-11	9	10.1	73% (8 of 11)	55% (6 of 11)
NID-bOPV+t	26-May-11	6	7.4	91% (10 of 11)	82% (9 of 11)
SNID-mOPV1	25-Jun-11	10.2	13	80% (4 of 5)	80% (4 of 5)
SNID-mOPV1	14-Jul-11	3.4	3.5	100% (2 of 2)	100% (2 of 2)
SNID-mOPV1	28-Jul-11	6.6	8.7	100% (3 of 3)	100% (3 of 3)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	100	31	77	35	30-Jul-11
cVDPV 2	14	10	0	0	13-Oct-10

Non Polio AFP data

NPAFP rate (national) **5**	Percent states with NPAFP rate >= 2 Non-adjusted **100% (11 of 11)** % within acceptable range **100% (11 of 11)**
% adequate stools (nat.) **75.6%**	Percent states with adequate stool proportion >= 80% Non-adjusted **18.2% (2 of 11)** % within acceptable range **36.4% (4 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **24.2%**

Poliovirus History

The WPV1 viruses detected at the end of 2010 and in 2011 represent at least six new importation events from Angola and Republic of Congo, with significant local circulation. In addition, 10 WPV1 cases represent continued circulation of virus in 2010-2011 that was last seen in eastern DRC in mid-2008. There was little indication of missed chains of transmission for the main Kasai Occidental/Bandundu/Kinshasa WPV1 viruses based upon the close genetic linkage among isolates. Likewise, the recent Katanga virus isolates show little indication of missed chains of transmission based on the close genetic linkage among recent isolates.

Democratic Republic of Congo   Total number of states \ provinces: **11**

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **12.6%** |

Eritrea   Total number of states \ provinces: **6**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **99%**   Pol3 **99%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
4.6%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
4	Non-adjusted **80% (4 of 5)**	% within acceptable range **100% (5 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
96.9%	Non-adjusted **100% (6 of 6)**	% within acceptable range **100% (6 of 6)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **79.8%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%**

Ethiopia   Total number of states \ provinces: **11**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **86%**   Pol3 **86%**

Non Polio AFP Profile

Percent 0-dose (national) **5.4%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**
Percent 4+ doses (national) **27.2%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 4)** % within acceptable range **0% (0 of 4)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	Start date	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-tOPV	17-Sep-10	10.2	21.3	0% (0 of 1)	0% (0 of 1)
CHD-OPVt	22-Oct-10				
SNID-tOPV	18-Feb-11	17	16.4	0% (0 of 4)	25% (1 of 4)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
cVDPV 3	6	3	0	0	04-Nov-10

Non Polio AFP data

NPAFP rate (national) **2.5**	Percent states with NPAFP rate >= 2 Non-adjusted **90% (9 of 10)** % within acceptable range **90% (9 of 10)**
% adequate stools (nat.) **82.1%**	Percent states with adequate stool proportion >= 80% Non-adjusted **45.4% (5 of 11)** % within acceptable range **72.7% (8 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **55.2%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0.2%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **10.4%**

Gabon   Total number of states \ provinces: **10**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **45%**   Pol3   **44%** |

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**
Percent 4+ doses (national) **30.8%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	27-Jan-11	21.4	23.8	0% (0 of 2)	0% (0 of 2)
NID-mOPV1	22-Feb-11	7.4	29.3	100% (2 of 2)	50% (1 of 2)
NID-mOPV1	28-Mar-11	22.6	21.8	25% (1 of 4)	25% (1 of 4)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	0	0	1	1	15-Jan-11

Non Polio AFP data

NPAFP rate (national) **3.6**	Percent states with NPAFP rate >= 2 Non-adjusted **50% (1 of 2)** % within acceptable range **100% (2 of 2)**
% adequate stools (nat.) **58.3%**	Percent states with adequate stool proportion >= 80% Non-adjusted **11.1% (1 of 9)** % within acceptable range **55.6% (5 of 9)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **3.8%**

Poliovirus History

Gabon was polio-free until a single reported case in 2011 that represents an importation from the outbreak in the Republic of Congo. With only a single case in Gabon, there is insufficient virologic data to inform an assessment of surveillance sensitivity in Gabon.

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **7.7%** |

Gambia   Total number of states \ provinces: **6**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **98%**   Pol3 **96%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
100%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	28-Oct-10	1.5	7.6	100% (6 of 6)	50% (3 of 6)
NID-mOPV1	25-Mar-11	2.2	12.4	100% (6 of 6)	50% (3 of 6)
NID-bOPV	29-Apr-11	2.3	5.4	100% (6 of 6)	83% (5 of 6)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.6	Non-adjusted **0% (0 of 1)**	% within acceptable range **100% (1 of 1)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
90%	Non-adjusted **60% (3 of 5)**	% within acceptable range **100% (5 of 5)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **17.2%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

Ghana   Total number of states \ provinces: **10**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **94%**   Pol3   **94%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **100% (2 of 2)**	% within acceptable range **100% (2 of 2)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
61.2%	Non-adjusted **0% (0 of 2)**	% within acceptable range **50% (1 of 2)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-tOPV	24-Mar-11	3.2	3.2	100% (3 of 3)	100% (3 of 3)
NID-tOPV	12-May-11	4.4	7.3	100% (10 of 10)	70% (7 of 10)
SNID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
1.9	Non-adjusted **60% (6 of 10)**	% within acceptable range **70% (7 of 10)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85.2%	Non-adjusted **60% (6 of 10)**	% within acceptable range **100% (10 of 10)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **29.7%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **9.7%** |

Guinea   Total number of states \ provinces: **8**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **57%**   Pol3   **53%** |

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (3 of 3)** % within acceptable range **100% (3 of 3)**
Percent 4+ doses (national) **67.9%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **66.7% (2 of 3)** % within acceptable range **66.7% (2 of 3)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	28-Oct-10	0.1	2.1	100% (8 of 8)	100% (8 of 8)
SNID-OPVm1	15-Nov-10				
SNID-OPVm1	11-Dec-10				
SNID-OPVm1	17-Jan-11				
NID-tOPV	25-Mar-11	0	0.8	100% (8 of 8)	100% (8 of 8)
NID-mOPV1	29-Apr-11	0.4	4.8	100% (8 of 8)	88% (7 of 8)
NID-bOPV	28-May-11	1.3	3.2	100% (8 of 8)	100% (8 of 8)
NID-bOPV	23-Jun-11	1.2	4	100% (8 of 8)	75% (6 of 8)
NID-bOPV	29-Jul-11	0.1	1.6	100% (8 of 8)	100% (3 of 3)
SNID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W3	0	0	2	2	27-Jul-11

Non Polio AFP data

NPAFP rate (national) **4.4**	Percent states with NPAFP rate >= 2 Non-adjusted **100% (8 of 8)** % within acceptable range **100% (8 of 8)**
% adequate stools (nat.) **74.5%**	Percent states with adequate stool proportion >= 80% Non-adjusted **12.5% (1 of 8)** % within acceptable range **75% (6 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **8.6%**

Poliovirus History

Guinea reported 2 cases in 2011 that represent separate importations from the outbreak in Côte d'Ivoire. Based upon the close genetic linkage among the Côte d'Ivoire virus isolates, it is unlikely that there are significant missed chains of transmission.

Data Completeness

Percent of NPAFP cases with unknown age | **0.4%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **5.5%** |

Guinea-Bissau   Total number of states \ provinces: **9**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **76%**   Pol3   **73%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children
0%	Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children
20%	Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	25-Mar-11	1.9	2.9	100% (11 of 11)	82% (9 of 11)
NID-bOPV	29-Apr-11	1.9	1	100% (11 of 11)	100% (11 of 11)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2
1.9	Non-adjusted **0% (0 of 3)** % within acceptable range **100% (3 of 3)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%
41.7%	Non-adjusted **14.3% (1 of 7)** % within acceptable range **28.6% (2 of 7)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **0%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

India   Total number of states \ provinces: **35**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **72%**   Pol3 **70%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0.3%	Non-adjusted **100% (21 of 21)**	% within acceptable range **100% (21 of 21)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
96.9%	Non-adjusted **100% (21 of 21)**	% within acceptable range **100% (21 of 21)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVb	19-Sep-10				
SNID-OPVm1	04-Oct-10				
SNID-OPVb+m1+m3	24-Oct-10				
SNID-OPVb+m1	14-Nov-10				
SNID-OPVb+m1	19-Dec-10				
NID-OPVt	23-Jan-11				
NID-OPVb+t	27-Feb-11				
SNID-OPVb+t	27-Mar-11				
SNID-OPVb+t	24-Apr-11				
SNID-OPVb	22-May-11				
SNID-OPVb	26-Jun-11				
SNID-OPVb	21-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	18	7	1	1	13-Jan-11
W3	24	12	0	0	22-Oct-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
11.8	Non-adjusted **88.2% (30 of 34)**	% within acceptable range **97.1% (33 of 34)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
83.4%	Non-adjusted **84.8% (28 of 33)**	% within acceptable range **93.9% (31 of 33)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **84%**

Poliovirus History

The WPV1 virus in India during the end of 2010 and 2011 represents an improving situation of endemic transmission. No WPV1 with genetic links to viruses from Uttar Pradesh have been isolated in India during 2010 and 2011. All cases from 2010 in four different states, and including two instances of international spread to Nepal were related to virus last observed in Bihar. In several instances, limited local transmission was observed following these importations. The last cases observed in Bihar were associated with a cross-border outbreak with Nepal. The only case in 2011 from West Bengal represents an importation from Bihar. The number of WPV3 cases in India during 2010 was reduced considerably and viruses from only one genetic cluster have been observed. No WPV3 has been detected anywhere in India in 2011. Based upon the close genetic linkage among many of the virus isolates and environmental surveillance, it is unlikely that there are significant missed chains of transmission in most of India.

Summarized data are presented in CDC's 3rd quarter Assessment of Risk to Global Polio Eradication Initiative Strategic Plan 2010-2012

India   Total number of states \ provinces: **35**

Data Completeness

Percent of NPAFP cases with unknown age | 0% |

Percent of 6-35 month old NPAFP cases with unknown dose history | 0.5% |

Kazakhstan   Total number of states \ provinces: **16**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **99%**   Pol3   **98%**

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**
Percent 4+ doses (national) **83.3%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVm1	01-Nov-10				
SNID-OPVm1	28-Nov-10				
SNID-OPVm1	21-Feb-11				
NID-OPVt	03-May-11				
SNID-OPVm1	16-May-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	1	1	0	0	12-Aug-10

Non Polio AFP data

NPAFP rate (national) **2.8**	Percent states with NPAFP rate >= 2 Non-adjusted **38.5% (5 of 13)** % within acceptable range **69.2% (9 of 13)**
% adequate stools (nat.) **98.8%**	Percent states with adequate stool proportion >= 80% Non-adjusted **92.9% (13 of 14)** % within acceptable range **92.9% (13 of 14)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **56.8%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |
Percent of 6-35 month old NPAFP cases with unknown dose history | **2.8%** |

Kenya   Total number of states \ provinces: **8**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **83%**   Pol3 **83%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
3.3%	Non-adjusted **100% (5 of 5)**	% within acceptable range **100% (5 of 5)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
28.8%	Non-adjusted **0% (0 of 5)**	% within acceptable range **0% (0 of 5)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
SNID-mOPV1	20-Nov-10	20.3	22.9	0% (0 of 3)	0% (0 of 3)
SNID-mOPV1	11-Dec-10	10.4	19.4	67% (2 of 3)	0% (0 of 3)
SNID-mOPV1	15-Jan-11	7	14.2	100% (3 of 3)	0% (0 of 3)
SNID-mOPV1	04-Jun-11	12.6	16.9	33% (1 of 3)	0% (0 of 3)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	0	0	1	1	30-Jul-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.3	Non-adjusted **87.5% (7 of 8)**	% within acceptable range **100% (8 of 8)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
86.8%	Non-adjusted **87.5% (7 of 8)**	% within acceptable range **100% (8 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **62.7%**

Poliovirus History

The WPV1 virus in Kenya during 2011 is most closely linked to a 2010 Uganda virus from the border region. With only a single case, there is insufficient virologic data to inform an assessment of surveillance sensitivity in Kenya. However, the low amount of genetic lineage with the Ugandan virus represents some concern for surveillance quality in the border area shared with Uganda.

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**15.7%**

Liberia   Total number of states \ provinces: **15**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **64%**   Pol3   **71%**

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**
Percent 4+ doses (national) **37.5%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	29-Oct-10	5.3	4.6	93% (13 of 14)	93% (13 of 14)
NID-mOPV1	25-Nov-10	4.7	6.3	100% (15 of 15)	87% (13 of 15)
NID-mOPV1	16-Dec-10	6.4	8.2	80% (12 of 15)	73% (11 of 15)
NID-bOPV	25-Mar-11	5.3	6.4	80% (12 of 15)	80% (12 of 15)
NID-tOPV	29-Apr-11	5.6	6.5	87% (13 of 15)	93% (14 of 15)
NID-bOPV	03-Jun-11	4.2	8.9	93% (14 of 15)	80% (12 of 15)
NID-bOPV	24-Jun-11	4.7	5.2	87% (13 of 15)	93% (14 of 15)
NID-bOPV	29-Jul-11	6.4	6.7	80% (12 of 15)	73% (11 of 15)
SNID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	2	2	0	0	08-Sep-10

Non Polio AFP data

NPAFP rate (national) **2.9**	Percent states with NPAFP rate >= 2 Non-adjusted **60% (3 of 5)** % within acceptable range **100% (5 of 5)**
% adequate stools (nat.) **85.7%**	Percent states with adequate stool proportion >= 80% Non-adjusted **86.7% (13 of 15)** % within acceptable range **93.3% (14 of 15)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **48.4%**

Poliovirus History

The WPV1 case in the second half of 2010 represented continued circulation from an importation event likely from Guinea earlier in 2010. There was little indication of missed chains of transmission in 2010 based upon the close genetic linkage among the isolates, although the initial 2010 isolate had less genetic linkage than expected with potential sources in Guinea.

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**8.3%**

Mali   Total number of states \ provinces: **9**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3 **76%**   Pol3 **73%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
1.5%	Non-adjusted **100% (1 of 1)**	% within acceptable range **100% (1 of 1)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
63.1%	Non-adjusted **0% (0 of 1)**	% within acceptable range **0% (0 of 1)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV+m1	28-Oct-10	6.3	5.4	78% (7 of 9)	89% (8 of 9)
NID-bOPV	25-Nov-10	4.7	6.9	67% (2 of 3)	67% (2 of 3)
NID-bOPV	25-Mar-11	4.5	12.9	89% (8 of 9)	67% (6 of 9)
NID-tOPV	29-Apr-11	3.4	7.2	100% (9 of 9)	78% (7 of 9)
NID-bOPV	03-Jun-11	3.5	7.2	100% (9 of 9)	78% (7 of 9)
NID-bOPV	23-Jun-11	3.8	6.1	100% (9 of 9)	78% (7 of 9)
SNID-bOPV+m1+m3	29-Jul-11	3.9	8	100% (5 of 5)	80% (4 of 5)
SNID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	3	3	0	0	01-May-10
W3	1	1	7	6	23-Jun-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.2	Non-adjusted **62.5% (5 of 8)**	% within acceptable range **87.5% (7 of 8)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
84.5%	Non-adjusted **66.7% (6 of 9)**	% within acceptable range **100% (9 of 9)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **39.3%**

Poliovirus History

The WPV3 in 2010 represents a new importation event most closely linked to a Niger virus. There is evidence of local transmission. 2011 WPV3 cases represent a new importation event as well as continued circulation from 2010. Despite the small number of cases, some had less genetic linkage than expected, indicating some evidence for missed chains of transmission at the sub-national level.

Data Completeness

Percent of NPAFP cases with unknown age	**0.6%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**4.6%**

Mauritania

Total number of states \ provinces: **13**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **64%** Pol3 **63%**

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children	
	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national) **72.2%**	Percent states with > 80% 4+dose NPAFP children	
	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	28-Oct-10	7.1	10.1	85% (11 of 13)	69% (9 of 13)
NID-bOPV	31-Mar-11	2.8	5.2	100% (13 of 13)	85% (11 of 13)
NID-tOPV	29-Apr-11	4.2	5.2	100% (13 of 13)	85% (11 of 13)
NID-mOPV3	23-Jun-11	3.7	7.4	100% (13 of 13)	77% (10 of 13)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	5	4	0	0	28-Apr-10

Non Polio AFP data

NPAFP rate (national) **3.6**	Percent states with NPAFP rate >= 2	
	Non-adjusted **85.7% (6 of 7)**	% within acceptable range **100% (7 of 7)**

% adequate stools (nat.) **96%**	Percent states with adequate stool proportion >= 80%	
	Non-adjusted **84.6% (11 of 13)**	% within acceptable range **100% (13 of 13)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **79.6%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **5.6%**

Mozambique

Total number of states \ provinces: **10**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **74%** Pol3 **73%**

Non Polio AFP Profile

Percent 0-dose (national) **1.6%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**
Percent 4+ doses (national) **4.7%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 4)** % within acceptable range **0% (0 of 4)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
cVDPV 1	0	0	2	2	02-Jun-11

Non Polio AFP data

NPAFP rate (national) **2.7**	Percent states with NPAFP rate >= 2 Non-adjusted **60% (6 of 10)** % within acceptable range **90% (9 of 10)**
% adequate stools (nat.) **88.7%**	Percent states with adequate stool proportion >= 80% Non-adjusted **80% (8 of 10)** % within acceptable range **100% (10 of 10)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **48.3%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0.4%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **33.1%**

Nepal   Total number of states \ provinces: **5**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **82%** Pol3 **83%**

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**
Percent 4+ doses (national) **92.6%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
Mop-up-mOPV1	18-Sep-10	5.6	7.8	100% (2 of 2)	50% (1 of 2)
Mop-up-mOPV1	02-Oct-10	5.9	8.2	100% (1 of 1)	100% (1 of 1)
Mop-up-mOPV1	30-Oct-10	4.8	6.6	100% (1 of 1)	100% (1 of 1)
Mop-up-mOPV1	20-Nov-10	5.6	4.8	100% (1 of 1)	100% (1 of 1)
NID-bOPV	12-Feb-11	6.9	7.4	100% (1 of 1)	100% (1 of 1)
NID-bOPV	12-Mar-11	7.1	5	100% (1 of 1)	100% (1 of 1)
NID-bOPV	09-Apr-11	0.3	0.6	100% (1 of 1)	100% (1 of 1)
NID-bOPV	07-May-11	3.7	2.5	100% (1 of 1)	100% (1 of 1)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	6	2	0	0	30-Aug-10

Non Polio AFP data

NPAFP rate (national) **4.5**	Percent states with NPAFP rate >= 2 Non-adjusted **100% (5 of 5)** % within acceptable range **100% (5 of 5)**
% adequate stools (nat.) **87%**	Percent states with adequate stool proportion >= 80% Non-adjusted **80% (4 of 5)** % within acceptable range **100% (5 of 5)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **89.9%**

Poliovirus History

The WPV1 virus in Nepal at the end of 2010 represented an importation event from Bihar in India earlier in 2010 and indicated local transmission. There was little indication of missed chains of transmission based upon the close genetic linkage among isolates.

Data Completeness

Percent of NPAFP cases with unknown age   **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **0.6%**

Niger   Total number of states \ provinces: **8**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **70%**   Pol3   **75%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
2.3%	Non-adjusted **100% (5 of 5)**	% within acceptable range **100% (5 of 5)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
70.8%	Non-adjusted **0% (0 of 5)**	% within acceptable range **40% (2 of 5)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	Start date	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-bOPV	01-Nov-10	1.4	4.5	100% (3 of 3)	67% (2 of 3)
NID-bOPV	14-Jan-11	3.1	7.6	100% (8 of 8)	88% (7 of 8)
NID-bOPV	25-Mar-11	2.8	3.7	100% (8 of 8)	100% (8 of 8)
NID-tOPV	29-Apr-11	2.3	3	100% (8 of 8)	100% (8 of 8)
NID-OPVb	03-Jun-11				
SNID-bOPV	23-Jun-11	2.5	3.3	100% (7 of 7)	100% (7 of 7)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	2010 (Jan-Dec)		2011 (Jan-present)		Date of onset for last case
	cases	districts	cases	districts	
W1	0	0	1	1	09-Jul-11
W3	2	1	1	1	19-Jan-11
cVDPV 2	1	1	0	0	01-Jun-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
3.5	Non-adjusted **62.5% (5 of 8)**	% within acceptable range **87.5% (7 of 8)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
79%	Non-adjusted **50% (4 of 8)**	% within acceptable range **75% (6 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **54.7%**

Poliovirus History

The WPV1 from Niger in 2011 is related to viruses from Chad and Nigeria. Although the Niger virus is most closely related to Chad virus, it is possible that Nigeria was the source of the virus, given the surveillance gaps in Nigeria. The WPV3 virus in Niger detected in 2011 probably represents a single new importation from Nigeria. As a single isolate, there is insufficient virologic data to inform an assessment of surveillance sensitivity. The WPV3 isolate had significantly less genetic linkage than expected and the WPV3 virus in Mali with less genetic linkage than expected is related to the WPV3 importation to Niger in 2010, both of which are related to virus from Northern Nigeria in 2010.

Data Completeness

Percent of NPAFP cases with unknown age   **0.4%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **0%**

Nigeria   Total number of states \ provinces: **37**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **69%**   Pol3   **79%** |

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*	
2.4%	Non-adjusted **97.3% (36 of 37)** % within acceptable range **100% (37 of 37)**	

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
72.4%	Non-adjusted **37.8% (14 of 37)** % within acceptable range **51.4% (19 of 37)**	

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVb	18-Sep-10				
SNID-OPVb	23-Oct-10				
CHD-OPVb+t	20-Nov-10				
NID-OPVb+t	26-Jan-11				
NID-OPVt	23-Feb-11				
SNID-OPVb	26-Mar-11				
SNID-OPVb+t	14-May-11				
SNID-OPVb	01-Jun-11				
SNID-OPVb	25-Jun-11				
SNID-OPVb+t	28-Jul-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	8	8	19	14	20-Jul-11
W3	13	13	7	6	18-Jun-11
cVDPV 2	27	24	13	13	28-Jun-11

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*	
7.2	Non-adjusted **100% (37 of 37)** % within acceptable range **100% (37 of 37)**	

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
92.9%	Non-adjusted **97.3% (36 of 37)** % within acceptable range **100% (37 of 37)**	

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **97.8%**

Poliovirus History

The WPV1 virus in Nigeria during 2011 represents the continued transmission from the very large outbreak in 2008. The genetic diversity of the WPV1 virus chains of transmission decreased substantially in 2010 but has not decreased substantially since then. Five clusters were detected in 2011. A very large proportion of the isolates had much less genetic linkage than expected, and two of the five genetic clusters observed in 2011 were not observed in 2010. The WPV3 viruses in Nigeria during 2011 represent continuation of a large, widespread outbreak in 2009. The genetic diversity of the WPV3 virus chains of transmission in 2011 was reduced somewhat along with the number of cases; two genetic clusters were detected. A significant proportion of WPV3 cases in 2010 and 2011 had much less genetic linkage than expected. Based upon the significant proportion of isolates with much less genetic linkage than expected during the end of 2010 and in 2011, including the cVDPV2 isolates, there is a potential for significant surveillance gaps at the sub-national level.

Nigeria   Total number of states \ provinces: **37**

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0.8%** |

Nigeria

Pakistan   Total number of states \ provinces: **7**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **88%**   Pol3 **88%**

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*		
2.3%	Non-adjusted **50% (3 of 6)**		% within acceptable range **66.7% (4 of 6)**
Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*		
94.1%	Non-adjusted **50% (3 of 6)**		% within acceptable range **50% (3 of 6)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
CHD-OPVm1+b+t	15-Sep-10				
SNID-OPVb+t	11-Oct-10				
NID-OPVb+t	08-Nov-10				
NID-OPVb	28-Dec-10				
SNID-OPVb	31-Jan-11				
NID-OPVt	07-Mar-11				
SNID-OPVb	04-Apr-11				
NID-OPVb	09-May-11				
SNID-OPVb	04-Jun-11				
NID-OPVb	18-Jul-11				

Summarized data are presented in CDC's 3rd quarter Progress Report on the GPEI Major Process Indicators

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				*Date of onset for last case*
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	120	34	76	28	17-Aug-11
W3	24	12	1	1	09-Jun-11

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*		
6.6	Non-adjusted **100% (8 of 8)**		% within acceptable range **100% (8 of 8)**
% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*		
89.1%	Non-adjusted **100% (8 of 8)**		% within acceptable range **100% (8 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **100%**

Poliovirus History

In 2011, wild PV1 circulated widely in Pakistan; eight genetic clusters were represented in AFP and environmental specimens. More than half of the viruses are from a single cluster with multiple chains of transmission, scattered in four different provinces. In all instances, there is evidence of local transmission. In the case of Baluchistan, cross-border transmission also occurs. Viral genetic diversity was highest in NWFP, but levels of virus circulation were high in Baluchistan and Sindh. WPV3 virus circulation in Pakistan declined at the end of 2010. All of the WPV3 cases (5) from AFP specimens in the last quarter 2010 were from a single genetic cluster from a couple of chains of transmission. An additional chain of transmission was detected only in environmental specimens in late 2010. A single WPV3 virus was detected from an AFP case in mid-2011 in NWFP in an area where the cluster was endemic throughout 2010. No WPV3 viruses have been detected in environmental specimens in 2011. Based upon the close genetic linkage among many of the virus isolates in 2011, it is unlikely that there are significant missed chains of transmission in some parts of Pakistan. However, the significant proportion of isolates with much less genetic linkage than expected during the last year, as well as several chains of transmission and two genetic clusters that are

Pakistan   Total number of states \ provinces: **7**

only detected from environmental surveillance, indicates the potential for surveillance gaps at the sub-national level.☐

Data Completeness

Percent of NPAFP cases with unknown age   **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history **0%**

Russian Federation   Total number of states \ provinces: **89**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **97%**   Pol3 **98%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
6.7%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
56.7%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVt	27-Oct-10				
SNID-OPVt	27-Nov-10				
SNID-OPVt	04-Apr-11				
SNID-OPVt	03-May-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	14	7	0	0	25-Sep-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
1.4	Non-adjusted **17.5% (11 of 63)**	% within acceptable range **58.7% (37 of 63)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
93.9%	Non-adjusted **90.4% (66 of 73)**	% within acceptable range **100% (73 of 73)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **15.4%**

Poliovirus History

At the end of 2010, the 2 reported cases are the result of importation events, directly or indirectly, from the outbreak viruses of Tajikistan. There was little indication of missed chains of transmission based upon the close genetic linkage among isolates within the country.

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **1.2%** |

Senegal   Total number of states \ provinces: **11**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **70%**   Pol3   **70%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
6.8%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
45.8%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator Percent missed children (finger marking)		Sub national indicator Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	27-Oct-10	8.5	11.6	77% (10 of 13)	54% (7 of 13)
NID-bOPV	31-Mar-11	10.6	13.9	58% (7 of 12)	50% (6 of 12)
NID-tOPV	05-May-11	9.5	14.8	67% (6 of 9)	33% (3 of 9)
NID-mOPV3	25-Jun-11	9.3	14	58% (7 of 12)	33% (4 of 12)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	18	11	0	0	30-Apr-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.2	Non-adjusted **45.4% (5 of 11)**	% within acceptable range **81.8% (9 of 11)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
78.8%	Non-adjusted **36.4% (4 of 11)**	% within acceptable range **100% (11 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **11.2%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**8.5%**

Sierra Leone   Total number of states \ provinces: **4**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **90%**   Pol3   **89%** |

Non Polio AFP Profile

Percent 0-dose (national) **0%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (3 of 3)** % within acceptable range **100% (3 of 3)**
Percent 4+ doses (national) **51.9%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 3)** % within acceptable range **0% (0 of 3)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
NID-mOPV1	28-Oct-10	6.4	11.2	75% (3 of 4)	0% (0 of 4)
NID-mOPV1	26-Nov-10	8.8	11.6	50% (2 of 4)	25% (1 of 4)
NID-bOPV	25-Mar-11	8.8	11.6	75% (3 of 4)	25% (1 of 4)
NID-bOPV	26-May-11	6.7	9.7	100% (4 of 4)	75% (3 of 4)
NID-tOPV	24-Jun-11	8.1	9	75% (3 of 4)	75% (3 of 4)
NID-OPVm3	18-Aug-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	1	1	0	0	28-Feb-10

Non Polio AFP data

NPAFP rate (national) **6.2**	Percent states with NPAFP rate >= 2 Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**
% adequate stools (nat.) **87.8%**	Percent states with adequate stool proportion >= 80% Non-adjusted **75% (3 of 4)** % within acceptable range **100% (4 of 4)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **79.4%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

Somalia   Total number of states \ provinces: **19**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **45%**   Pol3 **49%** |

Non Polio AFP Profile

Percent 0-dose (national) **18.5%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Percent 4+ doses (national) **43.5%**	Percent states with > 80% 4+dose NPAFP children Non-adjusted **0% (0 of 0)** % within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type (mixed rounds abbreviated as: t, b, 1, 3)	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVt	19-Sep-10				
NID-OPVb	20-Mar-11				
NID-OPVt	24-Apr-11				
CHD-OPVt	14-Jul-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
cVDPV 2	2	2	6	4	23-Apr-11

Non Polio AFP data

NPAFP rate (national) **3.3**	Percent states with NPAFP rate >= 2 Non-adjusted **93.8% (15 of 16)** % within acceptable range **100% (16 of 16)**

% adequate stools (nat.) **99.4%**	Percent states with adequate stool proportion >= 80% Non-adjusted **94.7% (18 of 19)** % within acceptable range **100% (19 of 19)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **80.9%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

South Sudan   Total number of states \ provinces: **10**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **%**   Pol3   **%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
5.5%	Non-adjusted **83.3% (5 of 6)**	% within acceptable range **100% (6 of 6)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
67.7%	Non-adjusted **0% (0 of 6)**	% within acceptable range **50% (3 of 6)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
4	Non-adjusted **100% (10 of 10)**	% within acceptable range **100% (10 of 10)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
92.2%	Non-adjusted **100% (10 of 10)**	% within acceptable range **100% (10 of 10)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **100%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%**

South Sudan and Sudan

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **90%**   Pol3 **90%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
4.3%	Non-adjusted **87.5% (7 of 8)**	% within acceptable range **100% (8 of 8)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
78.7%	Non-adjusted **25% (2 of 8)**	% within acceptable range **62.5% (5 of 8)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
SNID-OPVt	01-Nov-10				
SNID-OPVb	02-Nov-10				
SNID-OPVt	07-Dec-10				
SNID-OPVt	13-Dec-10				
NID-OPVt	22-Feb-11				
NID-OPVt	28-Feb-11				
NID-OPVt	29-Mar-11				
NID-OPVt	11-Apr-11				
CHD-OPVt	14-May-11				
SNID-OPVb	20-Jun-11				
SNID-OPVb	15-Jul-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.9	Non-adjusted **84% (21 of 25)**	% within acceptable range **100% (25 of 25)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
94.1%	Non-adjusted **100% (25 of 25)**	% within acceptable range **100% (25 of 25)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **76.1%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

Tajikistan   Total number of states \ provinces: **6**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **93%**   Pol3 **95%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
50%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVt	04-Oct-10				
NID-OPVt	08-Nov-10				
NID-OPVt	18-Apr-11				
NID-OPVt	23-May-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	457	35	0	0	04-Jul-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
0.7	Non-adjusted **0% (0 of 5)**	% within acceptable range **0% (0 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
94.7%	Non-adjusted **80% (4 of 5)**	% within acceptable range **100% (5 of 5)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **0%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **50%** |

Togo   Total number of states \ provinces: **6**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **92%**   Pol3 **92%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
67.9%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-bOPV	25-Mar-11	6.2	11.5	83% (5 of 6)	67% (4 of 6)
NID-tOPV	29-Apr-11	5.2	13	100% (6 of 6)	17% (1 of 6)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.5	Non-adjusted **66.7% (4 of 6)**	% within acceptable range **100% (6 of 6)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
93.3%	Non-adjusted **100% (6 of 6)**	% within acceptable range **100% (6 of 6)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **69.4%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age	**0%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**3.6%**

Turkmenistan   Total number of states \ provinces: **6**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **96%**   Pol3 **96%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
100%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator* Percent missed children (finger marking)		*Sub national indicator* Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVm1	20-Sep-10				
NID-OPVt	25-Apr-11				
NID-OPVt	30-May-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

	Count				
Serotype	2010 (Jan-Dec)		2011 (Jan-present)		Date of onset for last case
	cases	districts	cases	districts	
W1	3	2	0	0	28-Jun-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2	Non-adjusted **40% (2 of 5)**	% within acceptable range **60% (3 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
100%	Non-adjusted **100% (5 of 5)**	% within acceptable range **100% (5 of 5)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **25.3%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%** |

Uganda   Total number of states \ provinces: **79**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **60%**   Pol3 **55%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
7.4%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
35.5%	Non-adjusted **0% (0 of 0)**	% within acceptable range **0% (0 of 0)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	Start date	National indicator		Sub national indicator	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
SNID-mOPV1	20-Nov-10	6.7	7	75% (3 of 4)	75% (3 of 4)
SNID-mOPV1	01-Dec-10	16	11.3	50% (2 of 4)	50% (2 of 4)
SNID-mOPV1	15-Jan-11	4.7	6.4	75% (3 of 4)	100% (4 of 4)
SNID-mOPV1	14-May-11	5.4	5.4	100% (4 of 4)	100% (4 of 4)

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
W1	4	2	0	0	15-Nov-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.8	Non-adjusted **54.1% (33 of 61)**	% within acceptable range **75.4% (46 of 61)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85%	Non-adjusted **75.6% (59 of 78)**	% within acceptable range **92.3% (72 of 78)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **38%**

Poliovirus History

The WPV1 viruses in Uganda during 2010 are most closely linked to a 2009 Kenya virus, however, with a significant genetic gap from 2009 isolates. There was little indication of missed chains of transmission in 2010 in the area of the outbreak based upon the close genetic linkage among isolates in Uganda, however the missed virus transmission from 2009, as well as less than expected genetic relatedness to the recent Kenya importation, represents some concern for surveillance quality in the border area shared with Kenya.

Data Completeness

Percent of NPAFP cases with unknown age   **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **5.4%**

Yemen   Total number of states \ provinces: **22**

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **87%**   Pol3 **88%**

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*	
19.5%	Non-adjusted **0% (0 of 1)**	% within acceptable range **100% (1 of 1)**

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
43.5%	Non-adjusted **0% (0 of 1)**	% within acceptable range **0% (0 of 1)**

Independent Monitoring (IM data were not collected, or were not available in detail for all rounds shown)

Campaign type	*Start date*	*National indicator*		*Sub national indicator*	
		Percent missed children (finger marking)		Percent of states with < 10% missed children	
(mixed rounds abbreviated as: t, b, 1, 3)		House to House (%)	Out of house (%)	House to House	Out of house
NID-OPVt	01-Jun-11				
NID-OPVt	01-Sep-11				

Surveillance

Polio Cases (W1, W3, and VDPVs)

Serotype	Count				Date of onset for last case
	2010 (Jan-Dec)		2011 (Jan-present)		
	cases	districts	cases	districts	
cVDPV 2	0	0	4	1	09-Jun-11

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*	
3.3	Non-adjusted **100% (21 of 21)**	% within acceptable range **100% (21 of 21)**

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
96.5%	Non-adjusted **100% (22 of 22)**	% within acceptable range **100% (22 of 22)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **100%**

Poliovirus History

Data Completeness

Percent of NPAFP cases with unknown age | **0%**

Percent of 6-35 month old NPAFP cases with unknown dose history | **0%**