COUNTRY PROFILE SUPPLEMENT

TO THE

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

21 June 11	2011 Second 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 Sudan the region shared limited IM data specific for the Major Process Indicators, these data are not shown here. Not all of the rounds, start dates, and antigens could be verified.

Case data as of 14 June 2011.

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

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*	
1.8%	Non-adjusted **94.1% (16 of 17)**	% within acceptable range **100% (17 of 17)**

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
91.2%	Non-adjusted **88.2% (15 of 17)**	% within acceptable range **88.2% (15 of 17)**

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	29-Jun-10				
SNID-OPVb	25-Jul-10				
SNID-OPVm1	05-Sep-10				
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				

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	4	3	09-May-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	Non-adjusted **100% (31 of 31)**	% within acceptable range **100% (31 of 31)**

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
93.5%	Non-adjusted **93.8% (30 of 32)**	% within acceptable range **96.9% (31 of 32)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **91.5%**

Poliovirus History

The WPV1 viruses in Afghanistan for the second half of 2010 and 2011 represent a more consistent transmission pattern. There were viruses from 3 genetic clusters isolated in 2010 and represent both a new importation from Pakistan and continued circulation of two clusters in the south. One of these clusters represents low-level indigenous transmission and is related to 2008 viruses detected in Afghanistan. The last cluster, which accounts for more than three-quarters of the cases, represents indigenous transmission, particularly in Helmand province, as well as some cross-border transmission with Pakistan in Kandahar province. 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.

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

Data Completeness

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

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   **73%**   Pol3   **73%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
12.7%	Non-adjusted **66.7% (2 of 3)**	% within acceptable range **100% (3 of 3)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
28.7%	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 — 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-mOPV1	04-Jun-10	9.6	9.5	50% (1 of 2)	50% (1 of 2)
NID-tOPV, 1	11-Jun-10	12.4	14.9	42% (5 of 12)	67% (8 of 12)
SNID-mOPV1	18-Jun-10	6.5	6.8	100% (1 of 1)	100% (1 of 1)
NID-bOPV	06-Aug-10	12.5	13.9	54% (7 of 13)	50% (6 of 12)
NID-bOPV	13-Aug-10	16.9	17.4	50% (1 of 2)	50% (1 of 2)
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	10-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, 1	25-Mar-11	7.3	8.4	72% (13 of 18)	67% (12 of 18)
NID-bOPV, 1	28-Apr-11	6.1	8	100% (15 of 15)	87% (13 of 15)
NID-OPVb	27-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	33	18	4	1	27-Mar-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.8	Non-adjusted **94.4% (17 of 18)**	% within acceptable range **100% (18 of 18)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
84.3%	Non-adjusted **83.3% (15 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 **65.8%**

Poliovirus History

The WPV1 viruses in Angola during the second half of 2010 and 2011 represented a continuing outbreak resulting from importation from India in 2007. Only one genetic cluster has been observed. In 2010, cases were distributed more widely including the northeastern part of the country and included moderate regional transmission. The cases in 2011 represented continued circulation from 2010 and not a new importation and marked 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.

Angola   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   **10.7%**

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	
6.4%	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	
46.8%	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	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	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-OPVb	28-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	

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.2	Non-adjusted **50% (6 of 12)**	% within acceptable range **83.3% (10 of 12)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
89.8%	Non-adjusted **91.7% (11 of 12)**	% within acceptable range **91.7% (11 of 12)**

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

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

 Percent of 6-35 month old NPAFP cases with unknown dose history | **6.4%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3 **82%**   Pol3 **84%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
2.8%	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	
83.3%	Non-adjusted **100% (1 of 1)**	% within acceptable range **100% (1 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-mOPV1	02-Jul-10	1.6	4.4	100% (7 of 7)	100% (7 of 7)
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-OPVb	26-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	

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 **92.3% (12 of 13)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
86.4%	Non-adjusted **61.5% (8 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 **35.3%**

Poliovirus History

 N/A (no wild poliovirus in over 1 year)

Data Completeness

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

 Percent of 6-35 month old NPAFP cases with unknown dose history   **12.5%**

Burundi

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **92%**   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	
16.7%	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	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-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	
2.8	Non-adjusted **47.1% (8 of 17)**	% within acceptable range **70.6% (12 of 17)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
86.7%	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   **43.4%**

Poliovirus History

N/A (no wild poliovirus in over 1 year)

Data Completeness

Percent of NPAFP cases with unknown age | **0.9%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **14.6%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **80%**   Pol3 **79%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
7.7%	Non-adjusted **50% (1 of 2)**	% within acceptable range **100% (2 of 2)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
37.2%	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	*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	23-Jul-10	2.9	6	100% (1 of 1)	100% (1 of 1)
SNID-mOPV1	06-Aug-10	4.4	7.1	100% (1 of 1)	100% (1 of 1)
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)	Percent states with NPAFP rate >= 2	
2.1	Non-adjusted **50% (5 of 10)**	% within acceptable range **80% (8 of 10)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
83.9%	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 **29.6%**

Poliovirus History

 N/A (no wild poliovirus in over 1 year)

Data Completeness

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

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

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*	
3.7%	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*	
24.1%	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	02-Nov-10	12.1	15.9	40% (2 of 5)	0% (0 of 5)
NID-OPVb	26-Nov-10				
NID-OPVt	17-Dec-10				
NID-OPVm1	11-Apr-11				
NID-OPVt	20-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	

Non Polio AFP data

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

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
87.3%	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 **79.6%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history | **33.3%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3 **23%**   Pol3 **36%**

Non Polio AFP Profile

Percent 0-dose (national) **10.1%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **50% (1 of 2)** % within acceptable range **100% (2 of 2)**

Percent 4+ doses (national) **60.6%**	Percent states with > 80% 4+dose NPAFP children 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 (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-mOPV3	07-Jun-10	10.5	11.6	29% (2 of 7)	40% (2 of 5)
SNID-OPVm1	26-Jul-10				
SNID-mOPV3	30-Aug-10	11.2	26.7	50% (1 of 2)	0% (0 of 1)
SNID-bOPV	06-Sep-10	12.6	12.8	0% (0 of 2)	0% (0 of 2)
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, 1	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-tOPV, b	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-OPVb, t	15-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	11	6	65	14	14-May-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) **4.8**	Percent states with NPAFP rate >= 2 Non-adjusted **94.1% (16 of 17)** % within acceptable range **100% (17 of 17)**

% adequate stools (nat.) **82.7%**	Percent states with adequate stool proportion >= 80% Non-adjusted **72.2% (13 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 **71.1%**

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 in several regions in Chad. The viruses are related to viruses circulating in Northeast Nigeria in late 2010. The WPV3 viruses in Chad during 2010 represented continuation of a large widespread outbreak resulting from importation in 2007. WPV3 viruses detected in 2011 represented continued circulation of the main cluster observed in 2010, as well as a single importation event from Nigeria with only a single case. These 2010 and 2011 viruses represent one of the two

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

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.

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   **91%**   Pol3   **91%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
10.7%	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	
25%	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	
4.4	Non-adjusted **40% (2 of 5)**	% within acceptable range **60% (3 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
22.3%	Non-adjusted **27.3% (3 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   **5.1%**

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 | **25%** |

Côte d'Ivoire

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **81%**   Pol3   **77%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
1.1%	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	
35.6%	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 (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	26-Oct-10	2.2	5.1	100% (19 of 19)	84% (16 of 19)
SNID-OPVm1	26-Nov-10				
NID-OPVb	27-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	
W3	0	0	4	2	12-May-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.2	Non-adjusted **57.9% (11 of 19)**	% within acceptable range **79% (15 of 19)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85.6%	Non-adjusted **68.4% (13 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   **29.2%**

Poliovirus History

Cote d'Ivoire was polio-free in 2010 until 3 WPV3 cases were detected in 2011 in one location. There was little indication of missed chains of transmission based upon the close genetic linkage among the isolates, although the initial 2011 isolate 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   **0.5%**

Percent of 6-35 month old NPAFP cases with unknown dose history   **14.4%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **77%**   Pol3 **74%**

Non Polio AFP Profile

Percent 0-dose (national)	*Percent states with < 10% 0-dose NPAFP children*	
9%	Non-adjusted **63.6% (7 of 11)**	% within acceptable range **81.8% (9 of 11)**

Percent 4+ doses (national)	*Percent states with > 80% 4+dose NPAFP children*	
30.4%	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	*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	04-Jun-10	5.8	11.3	50% (1 of 2)	50% (1 of 2)
SNID-mOPV1	18-Jun-10	12.5	5.9	0% (0 of 2)	100% (2 of 2)
SNID-mOPV1, t	19-Aug-10	13.9	11.7	43% (3 of 7)	29% (2 of 7)
SNID-mOPV1, t	23-Sep-10	9.7	16.3	56% (5 of 9)	33% (3 of 9)
SNID-OPVm1	07-Oct-10				
SNID-mOPV1, b, t	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-mOPV1,b, t	25-Nov-10	5.1	7.8	88% (7 of 8)	62% (5 of 8)
SNID-OPVm1	03-Dec-10				
SNID-mOPV1	20-Jan-11	9.1	6.1	50% (1 of 2)	100% (2 of 2)
SNID-mOPV1	24-Feb-11	6.6	5.3	80% (4 of 5)	60% (3 of 5)
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, 1	28-Apr-11	9	10.1	73% (8 of 11)	55% (6 of 11)
NID-OPVt, b	26-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	100	31	55	32	09-May-11
cVDPV 2	14	10	0	0	13-Oct-10

Non Polio AFP data

NPAFP rate (national)	*Percent states with NPAFP rate >= 2*	
5.5	Non-adjusted **100% (11 of 11)**	% within acceptable range **100% (11 of 11)**

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
74.9%	Non-adjusted **27.3% (3 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 **33.5%**

Poliovirus History

The WPV1 viruses detected in the second half of 2010 and 2011 represented at least six new importation events from Angola and Republic of Congo, with significant local circulation. In addition, eight WPV1 cases represent continued circulation of virus from 2010 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

Democratic Republic of Congo

<div align="right">Total number of states \ provinces: **11**</div>

chains of transmission based on the close genetic linkage among recent isolates; however, the large genetic distance of the Katanga virus indicates a significant surveillance gap, likely somewhere in eastern DRC.

Data Completeness

Percent of NPAFP cases with unknown age	**0.1%**
Percent of 6-35 month old NPAFP cases with unknown dose history	**12.5%**

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	
3.2	Non-adjusted **60% (3 of 5)**	% within acceptable range **100% (5 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
98%	Non-adjusted **83.3% (5 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 **51.4%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

 Percent of 6-35 month old NPAFP cases with unknown dose history | **4.5%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **79%**   Pol3   **76%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children
7%	Non-adjusted **100% (4 of 4)** % within acceptable range **100% (4 of 4)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children
24.3%	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
SNID-mOPV3	11-Jun-10	14.8	16.9	50% (2 of 4)	25% (1 of 4)
SNID-tOPV	05-Aug-10	8.4	10.8	100% (3 of 3)	67% (2 of 3)
SNID-tOPV	17-Sep-10	10.2	21.3	0% (0 of 1)	0% (0 of 1)
CHD-OPVt	22-Oct-10				
CHD-OPVt	18-Feb-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 3	6	3	0	0	04-Nov-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2
2.5	Non-adjusted **90% (9 of 10)** % within acceptable range **90% (9 of 10)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%
83.4%	Non-adjusted **63.6% (7 of 11)** % within acceptable range **81.8% (9 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **92.4%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

 Percent of NPAFP cases with unknown age | **0%** |
 Percent of 6-35 month old NPAFP cases with unknown dose history | **5.3%** |

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)	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	
23.1%	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-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)	Percent states with NPAFP rate >= 2	
3.3	Non-adjusted **50% (1 of 2)**	% within acceptable range **100% (2 of 2)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
54.6%	Non-adjusted **22.2% (2 of 9)**	% within acceptable range **44.4% (4 of 9)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **18.1%**

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   **97%**

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	
90.9%	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-mOPV1	25-Jun-10	2.7	5.5	100% (6 of 6)	100% (6 of 6)
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	
4.1	Non-adjusted **0% (0 of 1)**	% within acceptable range **100% (1 of 1)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
96.8%	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 **41.6%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history   **9.1%**

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% (3 of 3)**	% within acceptable range **100% (3 of 3)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
60.2%	Non-adjusted **0% (0 of 3)**	% within acceptable range **33.3% (1 of 3)**

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)

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 **50% (5 of 10)**	% within acceptable range **80% (8 of 10)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
85.7%	Non-adjusted **90% (9 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 **38.6%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

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

Guinea

Immunization

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

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	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	
62.1%	Non-adjusted **20% (1 of 5)**	% within acceptable range **60% (3 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		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	05-Jul-10	0.2	1.8	100% (8 of 8)	100% (8 of 8)
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-OPVb	28-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	
W3	0	0	1	1	14-May-11

Non Polio AFP data

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
72.5%	Non-adjusted **12.5% (1 of 8)**	% within acceptable range **50% (4 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **23%**

Poliovirus History

Guinea reported a single reported case in 2011 that represents an importation from the outbreak in Côte d'Ivoire. With only a single case in Guinea, there is insufficient virologic data to inform an assessment of surveillance sensitivity in Guinea.

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history **6.5%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **68%**   Pol3 **72%** |

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-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	
1.5	Non-adjusted **0% (0 of 3)**	% within acceptable range **100% (3 of 3)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
45.4%	Non-adjusted **16.7% (1 of 6)**	% within acceptable range **33.3% (2 of 6)**

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

Poliovirus History

 N/A (no wild poliovirus in over 1 year)

Data Completeness

 Percent of NPAFP cases with unknown age | **9.1%** |

 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 **66%**   Pol3 **67%** |

Non Polio AFP Profile

Percent 0-dose (national) **0.3%**	Percent states with < 10% 0-dose NPAFP children Non-adjusted **100% (21 of 21)** % within acceptable range **100% (21 of 21)**
Percent 4+ doses (national) **96.8%**	Percent states with > 80% 4+dose NPAFP children 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	20-Jun-10				
SNID-OPVb, 1, 3	18-Jul-10				
SNID-OPVb	08-Aug-10				
SNID-OPVb	19-Sep-10				
SNID-OPVm1	04-Oct-10				
SNID-OPVb, 1, 3	24-Oct-10				
SNID-OPVb, 1	14-Nov-10				
SNID-OPVb, 1	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				

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) **12**	Percent states with NPAFP rate >= 2 Non-adjusted **88.2% (30 of 34)** % within acceptable range **97.1% (33 of 34)**
% adequate stools (nat.) **83.4%**	Percent states with adequate stool proportion >= 80% Non-adjusted **87.9% (29 of 33)** % within acceptable range **90.9% (30 of 33)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **82.4%**

Poliovirus History

The WPV1 virus in India during the second half 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. These viruses represent a new importation event into West Bengal as well as a new importation event into Jharkhand with

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

subsequent local transmission. 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. However, a few isolates from 2010 have less genetic linkage than expected, which is an 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 | 0.5% |

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

Immunization

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

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	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	
61.8%	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-OPVt	06-Sep-10				
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)	Percent states with NPAFP rate >= 2	
3.7	Non-adjusted **66.7% (10 of 15)**	% within acceptable range **93.3% (14 of 15)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
99.2%	Non-adjusted **93.8% (15 of 16)**	% within acceptable range **100% (16 of 16)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **72.9%**

Poliovirus History

Kazakhstan was polio-free until a single reported case in 2010 that represents an importation from the outbreak in Tajikistan. With only a single case in Kazakhstan and incomplete data from Tajikistan there is insufficient virologic data to inform an assessment of surveillance sensitivity in Kazakhstan.

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history | **1.8%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **75%**   Pol3   **71%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
5.5%	Non-adjusted **100% (4 of 4)**	% within acceptable range **100% (4 of 4)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
28.9%	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
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-OPVm1	04-Jun-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 **50% (4 of 8)**	% within acceptable range **75% (6 of 8)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
86.4%	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 **42.9%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history | **10.9%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **64%**   Pol3   **74%** |

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) **34.6%**	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	25-Jun-10	5	5.2	93% (14 of 15)	100% (15 of 15)
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-OPVb	03-Jun-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) **2.8**	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 **78.6% (11 of 14)** % within acceptable range **85.7% (12 of 14)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **45.4%**

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 | **11.5%** |

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

Immunization

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

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
1.5%	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	
62.7%	Non-adjusted **50% (1 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 (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-mOPV1	25-Jun-10	5.7	7.6	71% (5 of 7)	57% (4 of 7)
NID-mOPV1	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-OPVb	03-Jun-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	3	2	20-Mar-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 **62.5% (5 of 8)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
87.5%	Non-adjusted **77.8% (7 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 **53.4%**

Poliovirus History

The WPV3 in 2010 represents a new importation event most closely linked to a Niger virus. There is evidence of local transmission. Two of the 2011 WPV3 cases represent a new importation event and the other represents 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.

Data Completeness

Percent of NPAFP cases with unknown age | **0.6%** |

Percent of 6-35 month old NPAFP cases with unknown dose history | **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)	Percent states with < 10% 0-dose NPAFP children	
4.2%	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	
79.2%	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	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	25-Jun-10	5.2	5.7	92% (12 of 13)	85% (11 of 13)
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)

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
100%	Non-adjusted **100% (12 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 **89.1%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history   **4.2%**

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

Immunization

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

Non Polio AFP Profile

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

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children		
91.3%	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	*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	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)

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%		
86.4%	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 **86.4%**

Poliovirus History

The WPV1 viruses in Nepal during the second half 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   **1.9%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)   DTP3   **70%**   Pol3   **71%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
2.4%	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	
65.9%	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				

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	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	
3.6	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%	
79.9%	Non-adjusted **50% (4 of 8)**	% within acceptable range **87.5% (7 of 8)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **33.8%**

Poliovirus History

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   **1.8%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3 **42%**   Pol3 **54%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children
2.7%	Non-adjusted **94.6% (35 of 37)** % within acceptable range **100% (37 of 37)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children
71%	Non-adjusted **35.1% (13 of 37)** % within acceptable range **46% (17 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-Jun-10				
SNID-OPVb, 3, t	05-Aug-10				
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				

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	8	6	09-May-11
W3	13	13	4	4	06-May-11
cVDPV 2	27	24	7	7	15-May-11

Non Polio AFP data

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%
93.3%	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 **98.7%**

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 has decreased substantially in 2011. Despite the small number of cases, however, a very large proportion of these isolates had much less genetic linkage than expected, and two of the three 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 along with the number of cases; and only one genetic cluster was 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 second half of 2010 and 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 | 1% |

Nigeria

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

Immunization

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

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
1.9%	Non-adjusted **80% (4 of 5)**	% within acceptable range **80% (4 of 5)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
94.8%	Non-adjusted **80% (4 of 5)**	% within acceptable range **80% (4 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-OPVm1	14-Jun-10				
SNID-OPVm1	17-Jun-10				
NID-OPVb	12-Jul-10				
CHD-OPVm1	15-Sep-10				
SNID-OPVb, t	27-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				

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	49	23	23-May-11
W3	24	12	0	0	18-Nov-10

Non Polio AFP data

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
88.6%	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

The WPV1 viruses in Pakistan during 2011 represent a complex pattern of endemic transmission. In the second half of 2010 and 2011, the viruses were from four genetic clusters with two additional clusters detected in environmental specimens. Almost all of the isolates are from two clusters, one with mostly local transmission in KP/FATA and the second with additional chains of transmission in the south. Three of the clusters were also found in Afghanistan; however, the various chains of transmission were often distinct from those in Afghanistan. More than half the WPV1 cases were from a single genetic cluster with multiple chains of transmission that correlated with at least four geographic areas in three provinces. In all instances, there is evidence of local transmission. In the case of Baluchistan, there is also evidence of cross-border transmission in addition to local circulation. There are several

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

viruses detected from healthy children sampling and environmental surveillance that represent undetected circulation from two genetic clusters seen in 2009.

The WPV3 virus in Pakistan during the second half of 2010 represents an improving situation of endemic transmission. All of the WPV3 cases were from a single genetic cluster with multiple chains of transmission correlated with at least three geographic areas in two provinces. Viruses from this cluster were found in environmental specimens in a third province. In all instances, there is evidence of only local transmission. No WPV3 viruses have been detected 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 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 **98%**   Pol3 **98%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
9.7%	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	
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 (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	
1.8	Non-adjusted **34.8% (23 of 66)**	% within acceptable range **74.2% (49 of 66)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
95%	Non-adjusted **92.3% (72 of 78)**	% within acceptable range **100% (78 of 78)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **30.6%**

Poliovirus History

In the second half of 2010, the 8 reported cases are the result of at least 5 importation events, directly or indirectly, from the outbreak viruses of Tajikistan. In several of the importations, there is evidence of limited local transmission and at least one instance of long distance onward transmission within the Russian Federation. 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 **0.8%**

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **86%**   Pol3   **83%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
9.7%	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	
58.1%	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-mOPV1	26-Jun-10	4.7	9.6	92% (12 of 13)	62% (8 of 13)
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)

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	
2.6	Non-adjusted **54.6% (6 of 11)**	% within acceptable range **100% (11 of 11)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
78.6%	Non-adjusted **63.6% (7 of 11)**	% within acceptable range **90.9% (10 of 11)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **39.4%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history | **1.6%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **75%**   Pol3   **74%** |

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
0%	Non-adjusted **100% (3 of 3)**	% within acceptable range **100% (3 of 3)**

Percent 4+ doses (national)	Percent states with > 80% 4+dose NPAFP children	
44.7%	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	*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	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-OPVt	27-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	28-Feb-10

Non Polio AFP data

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
87.2%	Non-adjusted **75% (3 of 4)**	% within acceptable range **75% (3 of 4)**

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

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

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

Somalia

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates)

DTP3	**31%**	Pol3	**28%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children
14%	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
48.4%	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
CHD-OPVt	14-Jul-10				
SNID-OPVt	01-Sep-10				
SNID-OPVt	19-Sep-10				
NID-OPVb	20-Mar-11				
NID-OPVt	24-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	
cVDPV 2	2	2	5	4	28-Mar-11

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2
3.2	Non-adjusted **87.5% (14 of 16)** % within acceptable range **100% (16 of 16)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%
99.4%	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 **90.2%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

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	
%	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	

Non Polio AFP data

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

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%		
91.1%	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

  N/A (no wild poliovirus in over 1 year)

Data Completeness

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

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

Sudan   Total number of states \ provinces: **25**

Immunization

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

Non Polio AFP Profile

Percent 0-dose (national) 6.2%	Percent states with < 10% 0-dose NPAFP children Non-adjusted **60% (6 of 10)** % within acceptable range **100% (10 of 10)**
Percent 4+ doses (national) 72.4%	Percent states with > 80% 4+dose NPAFP children Non-adjusted **20% (2 of 10)** % within acceptable range **40% (4 of 10)**

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	21-Jun-10				
SNID-OPVt, b	01-Nov-10				
SNID-OPVt	07-Dec-10				
NID-OPVt	22-Feb-11				
NID-OPVt	29-Mar-11				
NID-OPVt	11-Apr-11				
CHD-OPVt	14-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	

Non Polio AFP data

NPAFP rate (national) 2.9	Percent states with NPAFP rate >= 2 Non-adjusted **88% (22 of 25)** % within acceptable range **100% (25 of 25)**
% adequate stools (nat.) 94.6%	Percent states with adequate stool proportion >= 80% 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   **75%**

Poliovirus History

 N/A (no wild poliovirus in over 1 year)

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 **93%** |

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	
80%	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-mOPV1	15-Jun-10	3.6	0	100% (5 of 5)	100% (2 of 2)
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	
1.3	Non-adjusted **20% (1 of 5)**	% within acceptable range **40% (2 of 5)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
88.1%	Non-adjusted **60% (3 of 5)**	% within acceptable range **80% (4 of 5)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met **32.5%**

Poliovirus History

The WPV1 viruses in Tajikistan during the second half of 2010 represented a very large outbreak resulting from importation from India. Only one genetic cluster was observed. The outbreak was widely distributed in several parts of the country, with intense transmission particularly in western parts of the country. The virus was related to viruses circulating in western Uttar Pradesh, India during late 2009. Incomplete sequence data does not allow an assessment of the degree of genetic linkage among the isolates within Tajikistan and therefore, no inference about surveillance sensitivity can be made.

Data Completeness

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

Percent of 6-35 month old NPAFP cases with unknown dose history | **22.2%** |

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

Immunization

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

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) **61.5%**	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	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) **2.4**	Percent states with NPAFP rate >= 2 Non-adjusted **33.3% (2 of 6)** % within acceptable range **100% (6 of 6)**
% adequate stools (nat.) **97.2%**	Percent states with adequate stool proportion >= 80% 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 **32.2%**

Poliovirus History

  N/A (no wild poliovirus in over 1 year)

Data Completeness

 Percent of NPAFP cases with unknown age | **0%** |
 Percent of 6-35 month old NPAFP cases with unknown dose history | **7.7%** |

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

Immunization

Immunization coverage (2009 nat. WHO-UNICEF estimates) | DTP3   **96%**   Pol3   **97%** |

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*		*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	12-Jul-10				
NID-OPVm1	26-Aug-10				
NID-OPVm1	20-Sep-10				
NID-OPVt	25-Apr-11				
NID-OPVt	30-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	3	2	0	0	28-Jun-10

Non Polio AFP data

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

% adequate stools (nat.)	*Percent states with adequate stool proportion >= 80%*	
100%	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   **65.4%**

Poliovirus History

Turkmenistan was polio-free until three cases were reported in 2010 that represents two importation events from the outbreak in Tajikistan. With only a single case from one importation and only two cases from the other and incomplete data from Tajikistan, there is insufficient virologic data to inform an assessment of surveillance sensitivity in Turkmenistan.

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   **64%**   Pol3   **59%**

Non Polio AFP Profile

Percent 0-dose (national)	Percent states with < 10% 0-dose NPAFP children	
7.6%	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	
34.5%	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-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	4	2	0	0	15-Nov-10

Non Polio AFP data

NPAFP rate (national)	Percent states with NPAFP rate >= 2	
2.6	Non-adjusted **47.5% (29 of 61)**	% within acceptable range **75.4% (46 of 61)**

% adequate stools (nat.)	Percent states with adequate stool proportion >= 80%	
86.3%	Non-adjusted **80.3% (61 of 76)**	% within acceptable range **90.8% (69 of 76)**

Percent of population <15 years of age living in states / prov. where both surveillance indicators are met   **36.8%**

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 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   **5.1%**