

1st Quarter 2011

Progress Report of the GPEI Major Process Indicators for 2010 and 2011

Centers for Disease Control & Prevention

25 March 2011

Research notes

The data used for this report are from: i) independent monitoring (IM) of Supplementary Immunization Activities (SIAs) and ii) Acute Flaccid Paralysis (AFP) surveillance, used to determine non-polio AFP rates, the proportion of AFP case-patients from whom adequate stool specimens are collected, and the number of oral polio vaccine (OPV) doses received by non-polio AFP case-patient. The 2011 Major Process Indicators (MPIs) were assessed using AFP data from the period 9 March 2010 – 8 March 2011 which were received at WHO-HQ on 8 March 2011. As per the 2010-2012 Global Polio Eradication Initiative (GPEI) Strategic Plan, new and generally more stringent MPIs began in 2011. The 2010 MPIs were assessed using AFP data from 1 January – 31 December 2010 which were received at WHO-HQ on 15 March 2011. IM data for 2010 and 2011 consist of all data available from SIAs conducted during those calendar years and were received at WHO-HQ by 14 March 2011. For 2010, an MPI had to be fully met in order to be assessed as “achieved”.

AFP data consideration:

- Non-polio AFP rate assessed in non-polio AFP case-patients < 15 years in age
- Stool adequacy is calculated as 2 stools collected within 14 days and in “good” condition as reported by the receiving laboratory. All AFP case-patients are assessed regardless of age.
- Sub-national non-polio AFP rate assessed in areas with population aged <15 year of > 100,000 (sub-national population estimates are provided by each country and are updated annually)
- OPV doses assessed in children with non-polio AFP 6-35 months of age
- In the assessment presented in this report and as per WHO standard AFP surveillance guidelines, the MPIs that refer to the surveillance performance indicators of non-polio AFP rate and percent of adequate stools were considered to be met if they were ≥ 2 and $\geq 80\%$, respectively. This differs from how the MPIs were written in the GPEI Strategic Plan, where these indicators were considered met at >2 and $>80\%$, respectively.

Independent Monitoring data considerations:

- When both house-to-house and out-of-house monitoring data are available, we report the higher percentage of missed children.
- For access-compromised regions in Afghanistan and Pakistan, CDC was provided, by the WHO Regional Office for the Eastern Mediterranean, “adjusted” results which add the proportion of children inaccessible for immunization to the proportion of missed children.

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2010 Major Process Indicators

GPEI Major Process Indicator - 2010	Outcome	Final Status of Achievement	
All Countries			
Non-polio AFP rate >2 achieved at sub-national level in all endemic, re-established transmission, and "WPV importation belt" countries	Endemic countries	2 of 4 countries achieved	Not achieved
	Re-established transmission countries	3 of 4 countries achieved	
	"WPV importation belt" countries	6 of 19 countries achieved	
	2009 or 2010 outbreak countries outside of the "WPV importation belt"	2 of 9 countries achieved	
Afghanistan			
<10% missed children during at least 4 SIAs in each of the 13 conflict-affected districts with persistent transmission in the Southern region	0 of 13 districts achieved	Not achieved	
India			
>95% population immunity to type 1 polio in the persistent transmission areas of western Uttar Pradesh and central Bihar	2 of 2 states achieved <i>Bihar at 98% and UP at 98% for type 1. As a baseline for the 2011 MPI the 2010 results for type 3 were Bihar at 78% and UP at 76%</i>	Achieved	
Nigeria			
<10% 0-dose children (per NPAFP data) in each of the 12 high-risk states (including the 8 persistent transmission states)	11 of 12 states achieved	Not achieved	
Pakistan			
<15% missed children during at least 8 SIAs in every district of the Quetta area and the persistent transmission districts and agencies of NWFP and FATA	4 of 7 districts achieved (with data from 9 rounds)	Not achieved	
<10% missed children during at least 4 SIAs in every town of Karachi	18 of 18 towns achieved	Achieved	
Angola			
<10% missed children in all districts of Luanda, Benguela, and Kwanza Sul during each SIA	5 of 22 districts with data achieved <i>(no data available for 8 districts within the 3 specified provinces)</i>	Not achieved	
Chad			
<10% missed children in greater N'Djamena and in the southern and eastern WPV transmission zones during each SIA in the second half of 2010	0 of 3 zones achieved	Not achieved	
Democratic Republic of Congo			
>80% adequate specimens in all provinces	2 of 11 provinces achieved	Not achieved	
AFP rate >2 in all provinces	11 of 11 provinces achieved	Achieved	
<10% missed children in each SIA in Orientale, North & South Kivu	0 of 3 provinces achieved	Not achieved	
Southern Sudan			
>80% adequate specimen rates in all states	10 of 10 states achieved	Achieved	
Non-polio AFP rate >2 in all states	10 of 10 states achieved	Achieved	
<10% missed children in each state during each SIA	2 of 10 states achieved	Not achieved	
WPV importation belt			
<10% missed children in 2 SIAs in all "WPV importation belt" countries	12 of 17 countries with data achieved <i>(no independent monitoring data for Eritrea and Somalia)</i> <i>Scoring based on entire year rather than mid-2010 as written in the GPEI Strategic Plan 2010-2012</i>	Not achieved	

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2011 Major Process Indicators

GPEI Major Process Indicator - 2011	1st Quarter Outcome		MPI Status to Date
All Countries			
Non-polio AFP rate >2 achieved at sub-national level in all endemic, re-established transmission, and "WPV importation belt" countries	Endemic countries	3 of 4 countries achieved	Not yet achieved for 2011
	Re-established transmission countries	1 of 4 countries achieved	
	"WPV importation belt" countries	6 of 19 countries achieved	
	2009, 2010, or 2011 outbreak countries outside of the "WPV importation belt"	2 of 10 countries achieved	
>80% adequate specimen rate achieved at sub-national level in all endemic, re-established transmission, and "WPV importation belt" countries	Endemic countries	2 of 4 countries achieved	Not yet achieved for 2011
	Re-established transmission countries	1 of 4 countries achieved	
	"WPV importation belt" countries	4 of 19 countries achieved	
	2009, 2010, or 2011 outbreak countries outside of the "WPV importation belt"	3 of 10 countries achieved	
Afghanistan			
<10% missed children during at least 6 SIAs in each of the 13 conflict-affected districts with persistent transmission in the Southern region	2 of 13 districts achieved <i>(one SIA conducted thus far in 2011)</i>		Not yet achieved for 2011
India			
>95% population immunity to type 1 and type 3 polio in the persistent transmission areas of western Uttar Pradesh and central Bihar	Data not yet available <i>(serosurvey scheduled for later in the year)</i>		No data to assess
Nigeria			
>80% of children with ≥3 doses of OPV (per NPAFP data) in each of the 12 high-risk states (including the 8 persistent transmission states)	8 of 12 states achieved		Not yet achieved for 2011
Pakistan			
<10% missed children during at least 8 SIAs in the Quetta area and in the persistent transmission districts and agencies of NWFP and FATA	2 of 7 districts achieved <i>(one SIA conducted thus far in 2011)</i>		Not yet achieved for 2011
>90% of children with >6 doses of OPV in Sindh and Punjab	0 of 2 provinces achieved <i>(Punjab at 88.4% and Sindh at 86.6%)</i>		Not yet achieved for 2011
Angola			
<10% missed children in all districts of Luanda, Benguela, and Kwanza Sul during each SIA	8 of 13 districts with data achieved		Not achieved
Chad			
<10% missed children in greater N'Djamena and in the southern and eastern WPV transmission zones during each SIA	2 of 3 zones achieved		Not achieved
Democratic Republic of Congo			
>80% adequate specimens in all provinces	2 of 11 provinces achieved		Not yet achieved for 2011
AFP rate >2 in all provinces	11 of 11 provinces achieved		Achieved thus far in 2011
<10% missed children in each SIA in Orientale, North & South Kivu	no SIAs conducted in these provinces thus far in 2011		No data to assess
Southern Sudan			
>80% adequate specimen rates in all states	10 of 10 states achieved		Achieved thus far in 2011
AFP rate >2 in all states	10 of 10 states achieved		Achieved thus far in 2011
<10% missed children in each state during each SIA	no SIAs conducted in these states thus far in 2011		No data to assess
WPV importation belt			
<10% missed children in 2 SIAs in all 1st and 2nd level priority countries in the "WPV importation belt"	Only one country with available data <i>(independent monitoring data for one SIA in Niger)</i>		Not enough data available from 2011 to assess

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Major Process Indicators reported by WHO-HQ

Progress report on the Major Process Indicators on outbreak response and strengthening immunization services are provided by WHO-HQ.

GPEI Major Process Indicator - 2010	Measurement	Baseline	Final Status of Achievement	Comments
Outbreak Response				
By end-2010: 100% of WPV importations and cVDPVs in previously polio-free areas responded to per international outbreak response guidelines	% of WPV and cVDPV outbreaks responded to as per international outbreak response guidelines	2009: WPV: 87%, 13/15 importation countries responded to as per international guidelines. Median response time was 27 days, range 9-43 days. 2009: cVDPV: NA. Data not systematically collected.	2010: WPV: 82%, 9/11 importation countries responded as per international guidelines. Median response time was 14 days, range 2-33 days. 2011: WPV: Response ongoing for 2 importations, both on track for meeting international outbreak response guidelines 2010: cVDPV: 0% previously polio-free countries with cVDPV outbreaks responded to as per international guidelines.	Countries not meeting outbreak response criteria in 2010: Russia: data not available on timing of mop-up activities, Kazakhstan: Only 2 SIAs conducted following the WPV1 case. 2011 ongoing outbreak response: Gabon: SIA conducted within 4 weeks of notification and plans in place for at least two additional SIAs. Niger: SIAs conducted within 4 weeks of notification and plans in place for at least 2 additional SIAs. cVDPV: cVDPV outbreaks persist most notably in Nigeria and DRC.
International assessment conducted in 75% of countries with importation events persisting for >6 months	International assessment conducted in 75% of countries with importation events persisting for > 6 months	International assessment conducted in 75% of countries with importation	Not applicable	All outbreaks have been controlled within 6 months
Strengthening immunization systems				
By end-2010: >80% of countries with GPEI international staff establish multiyear plan for all immunization services (including polio)	Reports from regional offices on countries that have established multiyear plans for all immunization services	N/A	By end-2010: 100% of countries with GPEI international staff have multi-year plan for all immunization services (including polio)	
>25% of polio field staff time documented as contributing to immunization systems strengthening in the 'WPV importation belt'	Results from AFRO staff surveys	N/A	>25% of polio field staff time spent contributing to immunization system strengthening	

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2010 Major Process Indicators - Detailed Results

All countries

End-2010: Non-polio AFP rate >2 achieved at sub-national level in all endemic, re-established transmission and 'WPV importation belt' countries.

Category	Country	Number of state/provinces with > 100,000 children under 15 y/o.			Achieved 2010
		NPAFP rate			
		>= 2	< 2	silent	
1 2 3 4 Endemic	Afghanistan	31	0	0	Yes
	India	32	2	0	No
	Nigeria	37	0	0	Yes
	Pakistan	7	1	0	No
1 2 3 4 Re-established	Angola	17	1	0	No
	Chad	17	0	0	Yes
	Democratic Republic of the Congo	11	0	0	Yes
	Sudan	25	0	0	Yes
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 WPV importation belt	Benin	9	3	0	No
	Burkina Faso	12	1	0	No
	Cameroon	6	4	0	No
	Central African Republic	6	0	0	Yes
	Côte d'Ivoire	18	1	0	No
	Eritrea	3	1	0	No
	Ethiopia	9	1	0	No
	Gambia	1	0	0	Yes
	Ghana	5	5	0	No
	Guinea	8	0	0	Yes
	Guinea-Bissau	2	0	1	No
	Liberia	3	2	0	No
	Mali	5	3	0	No
	Mauritania	5	1	1	No
	Niger	8	0	0	Yes
	Senegal	11	0	0	Yes
	Sierra Leone	4	0	0	Yes
	Somalia	15	1	0	No
	Togo	5	1	0	No
1 2 3 4 5 6 7 8 9 2009 or 2010 outbreak (outside of WPV importation belt)	Burundi	9	6	2	No
	Congo	5	0	0	Yes
	Kazakhstan	11	4	0	No
	Kenya	5	3	0	No
	Nepal	5	0	0	Yes
	Russian Federation	19	45	4	No
	Tajikistan	4	1	0	No
	Turkmenistan	5	1	0	No
	Uganda	34	31	0	No

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End-2010, Afghanistan: <10% missed children during at least 4 SIAs in each of the 13 conflict-affected districts with persistent transmission in the Southern Region

Province	District	Round 1: Feb-10		Round 2: Mar -10		Round 3: May-10		Round 4: Jun-10		Round 5: Jul-10		Round 6: Oct-10		Round 7: Nov-10		Round 8: Dec-10		Achieved 2010
		Percent missed		Percent missed		Percent missed		Percent missed		Percent missed		Percent missed		Percent missed		Percent missed		
		H2H	OUT	H2H	OUT	H2H	OUT	H2H	OUT	H2H	OUT	H2H	OUT	H2H	OUT	H2H	OUT	
Helmand	Bust (LashKar Gah)	29.9	32.6	19.1	27.8	23.4	19.4	17.3	27.7	10.0	21.5	16.9	24.9	No				
	Musa Qala	18.5		8.1		12.9		16.4		22.8	12.8	23.8	13.2	No				
	Nad-E Ali			53.3		54.8		63.6		61.1	54.5	45.9	37.7	No				
	Naw Zad			91.8		77.7		84.5		78.2	55.4	32.4	33.8	No				
	Sarban Qala (Sangin)	24.1		15.2		16.3		14.6		19.0	13.6	30.9	31.3	No				
Kandahar	Qandahara / Dand	7.6	32.1	9.0	34.8	6.5	29.8	11.0	22.9	7.0	12.0	9.5	7.6	No				
	Maiwand	11.7		13.3		10.7		12.7		27.2	36.0	45.8	44.6	No				
	Panjwai	5.6		78.2		77.1		80.4		80.0	94.0	83.9	83.8	No				
	Shah Wali Kot	78.2		77.2		80.5		83.6		88.5	85.7	86.3	78.5	No				
	Spin Boldak	13.6		8.2		19.3		19.0		14.0	17.0	17.0	12.6	No				
Urozgan	Deh Rawud	18.8		13.2		12.0		8.9		12.0	18.0	12.7	14.4	No				
	Shahid Hassas	8.8		13.5		17.3		13.8		19.0	32.9	54.3	71.1	No				
	Tirin Kot	19.1	34.9	19.8	23.3	19.9	34.6	22.6	19.3	32.8	33.7	29.7	31.5	No				

Results in access compromised districts are "adjusted" by adding the proportion of children inaccessible for immunization to the proportion of 'missed children'

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End-2010, **India:** >95% population immunity to type 1 polio sustained in the persistent transmission areas of western Uttar Pradesh, and achieved in the persistent transmission areas of central Bihar

The serosurvey was conducted among 1,280 randomly selected children aged 6-7 months in 10 blocks of 9 high-risk districts of western Uttar Pradesh and 10 blocks of 7 high-risk districts of Bihar in August 2010.

State	Number of district	Number of blocks	Percent of children seropositive to type 1	Achieved 2010
Bihar	7	10	98	Yes
Uttar Pradesh	9	10	98	Yes

End-2010, **Nigeria:** <10% 0-dose children (per NP AFP data) in each of the 12 high-risk states (including the 8 persistent transmission states)

States	Population under 15 years of age	Number of 0-dose NP/AFP cases	Total number of NP/AFP cases	Percent 0-dose	Achieved 2010
Bauchi *	2,310,917	0	77	0	Yes
Borno *	2,100,779	4	71	5.6	Yes
Gombe	1,156,459	1	62	1.6	Yes
Jigawa *	2,117,910	2	90	2.2	Yes
Kaduna	2,963,204	4	99	4	Yes
Kano *	4,623,615	37	232	15.9	No
Katsina *	2,829,377	8	122	6.6	Yes
Kebbi	1,586,515	1	121	0.8	Yes
Niger	1,952,066	0	115	0	Yes
Sokoto *	1,805,795	0	85	0	Yes
Yobe *	1,150,575	8	82	9.8	Yes
Zamfara *	1,601,561	0	109	0	Yes

* Persistent transmission states

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End-2010, Pakistan: <10% missed children during at least 4 SIAs in every town of Karachi

District	Town	Round 1: sNID	Round 2: NID	Round 3: sNID	Round 4: NID	Round 5: sNID	Round 6: NID	Round 7: NID	Round 8: NID	Round 9: NID	Achieved 2010
		18-Jan-10	15-Feb-10	15-Mar-10	26-Apr-10	24-May-10	12-Jul-10	27-Sep-10	8-Nov-10	28-Dec-10	
Karachi	Baldia	13.7	9.7	18.3	5.1	9.9	8	7	3	7	Yes
	Bin Qasim	1.5	8.8	20.1	7.4	3.3	3	11	5	11	Yes
	Gadap	27.8	8.9	8.8	10.1	9.3	10	8	6	5	Yes
	Gulshan-e-Iqbal	8.8	7.1	4.4	4.0	4.9	9	4	7	8	Yes
	Gulberg	13.9	11.0	33.3	10.0	19.8	5	7	2	8	Yes
	Jamsheed	21.6	6.9	6.0	1.5	3.0	6	3	2	4	Yes
	Kemari	10.9	32.9	18.3	3.9	8.3	2	11	10	1	Yes
	Korangi	5.3	3.8	4.8	8.4	5.5	3	6	5	7	Yes
	Landhi	2.2	7.8	5.1	5.0	4.9	3	3	4	8	Yes
	Lyari	5.9	14.1	3.0	1.8	1.6	0	3	1	4	Yes
	Liaquatabad	12.6	20.1	9.5	17.2	3.4	10	5	14	9	Yes
	Malir	5.9	9.6	1.5	6.4	2.7	1	7	4	3	Yes
	North Nazimabad	21.0	27.0	7.3	9.0	8.0	8	11	14	8	Yes
	North Karachi	17.2	9.8	20.8	4.0	10.3	4	6	10	6	Yes
	Orangi	26.8	14.7	9.8	9.2	6.8	11	12	10	9	Yes
	Saddar	6.7	16.9	10.0	10.2	17.6	10	9	6	2	Yes
Shah Faisal	8.1	5.2	9.2	3.0	3.7	3	5	3	2	Yes	
SITE	27.1	2.6	6.5	1.3	12.1	4	11	0	5	Yes	

End-2010, Pakistan: <15% missed children during at least 8 SIAs in every district of the Quetta area and the persistent transmission districts and agencies of NWFP and FATA

Province	District / agency	Round 1: sNID	Round 2: NID	Round 3: sNID	Round 4: NID	Round 5: sNID	Round 6: NID	Round 7: NID	Round 8: NID	Round 9: NID	Achieved 2010
		Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jul-10	Sep-10	Nov-10	Dec-10	
FATA	Bajour	53.5	54.2	34.9	24.6	16.6	16.9	24.6	13	17	No
	Khyber	55.0	60.2	60.7	59.4	58.8	59.9	60.3	59	48	No
	Mohmand	25.1	25.9	21.6	20.9	21.6	20.2	25.0	21	31	No
Khyber-Pakhtunkhwa (NWFP)	Peshawar	8.0	6.8	12.1	4.8	4.7	3.5	3.7	2	5	Yes
Balochistan	Quetta	20.4	8.7	9.5	7.8	7.7	8.1	10.0	8	7	Yes
	Killa Abdullah	13.8	16.6	12.2	10.6	12.9	10.5	12.5	13	14	Yes
	Pishin	12.5	6.6	8.8	9.1	7.5	8.8	17.3	6	5	Yes

Results in access compromised districts are "adjusted" by adding the proportion of children inaccessible for immunization to the proportion of 'missed children'

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End-2010, Angola: <10% missed children in all districts of Luanda, Benguela & Kwanza Sul during each SIA

Province	District	Percent of under 5 y/o population within province	Round 1		Round 2		Round 3		Round 4		Round 5		Round 6		Achieved 2010
			SIA start date: 07-May-10 Missed H2H	Missed OUT	SIA start date: 11-Jun-10 Missed H2H	Missed OUT	SIA start date: 6-Aug-10 Missed H2H	Missed OUT	SIA start date: 13-Aug-10 Missed H2H	Missed OUT	SIA start date: 1-Oct-10 Missed H2H	Missed OUT	SIA start date: 29-Oct-10 Missed H2H	Missed OUT	
LUANDA under 5 pop: 1,526,254	Cacuaco	13.8	3.8	1.7	23.5	33.1			17.2	5.5	10.8	10.1	12.1	7.8	No
	Cazenga	22.3	19.7	18.9	17.2	20.1			16.8	11.7	14	10.6	13.5	12.5	No
	Ingombota	2.9	13.4	7.9	9	8			28.1	38.7	9.2	7.3	6.3	5.2	No
	Kilamba Kiaxi	13.8	26.7	27.1	27.7	35.4			36.4	34.7	17.7	17.5	33.4	34.6	No
	Maianga	10.3	11.4	10.1	12.4	19.1			29.9	24.5	19.7	23.4	20.3	24.2	No
	Rangel	2.8	8.2	3.7	4.5	10.8			8.5		3.4	10.1	7.9	8.6	No
	Samba	5.1	11.7	12	43.7	49.5			27.9	32.9	30.5	27.7	6.9	6.9	No
	Sambizanga	10.3	12.2	15.7	19.1	17			34.6	45.6	14.2	17.2	15.8	14.3	No
	Viana	18.7	9.9	13.4	8.3	15.3			29.1	30.5	5.6	8.6	13.4	14.5	No
	Baia Farta	3.9	23	9.8	12.9	4.1	5.8	14.9			10.6	7.6	22.5	0.6	No
Balombo	7.3				6.6	7.2							4.8	8.4	Yes
Benguela		22.8	8.4	16.9	13.7	17.9	11.7	11.9			6.3	5.9	5.1	8.2	No
Bocoto		4													no data
Cairimbambo		4.2													no data
Chongoroi		4.4	15.3	28.3	4.9	4.8				2.5					no data
Cubal		8.7													no data
Ganda		12	6.5	7.4		5.3	5.7			5	7.7		0.5	3.9	Yes
Lobito		32.8	1.4	3.7	10.3	8.7	19			6.6	5.4		5.6	4.6	No
Ambaim		11.6	13.4	6.4	22.1	34.1			6	8.1	4.9	3.1	2.2	1.6	No
Cassongue		9.8							5.5	4.7	2.9	5.3	4.8	6.1	Yes
Cela		11.2													no data
Conda		4.9													no data
Ebo		10.5													no data
Kibala		11.3	5	4.8	8.4	8.8			7.1	4.2	1.9	2.1	2	4.6	Yes
Kilanda		5.7			3.3	7.8			5.1	6.6	2.2	8.6	6.3	14.8	No
Libolo		4.7			4.4	7.1			4.4	7.2	6	2.8	4.5	5.4	Yes
Mussende		5.2													no data
Porto Amboim		6.9	19.5	16.4	19.9	30.9			13.4	14.4	11	2.2	6.1	7.4	No
Seles		8.5							14.4	22.1	3.9	2.9	23.5	25.8	no data
Sumbe		9.8	9.9	9.9	17.3	17.2									no data

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End-2010, Chad: <10% missed children in greater N'Djamena and in the southern and eastern WPV transmission zones during each SIA in the second half of 2010

Zones	Round 1		Round 2		Round 3		Round 4		Round 5		Achieved 2010
	SIA start date: 30-Aug-10		SIA start date: 6-Sep-10		SIA start date: 14-Sep-10		SIA start date: 29-Oct-10		SIA start date: 10-Dec-10		
	Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	
Eastern zone									8.1	10.1	No
Greater N'Djamena			18.8	14.2	15.4	17.8	5.1	10.8	9.6	13.8	No
Southern zone	11.2	26.7					7.2	1.6	8.9	15.7	No

Zones	Province	Districts	Percent of under 5 y/o population within zone	Round 1		Round 2		Round 3		Round 4		Round 5	
				SIA start date: 30-Aug-10		SIA start date: 6-Sep-10		SIA start date: 14-Sep-10		SIA start date: 29-Oct-10		SIA start date: 10-Dec-10	
				Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT
Eastern zone under 5 pop: 210,323	Dar Sila	Amdam	6									8.8	5.6
		Goz Beida	28									11	13.6
	Ouaddai	Abéché	40									7.5	12.7
		Adré	25									4.3	7.4
Greater N'Djamena under 5 pop: 304,564	Chari Baguirmi	Bouso	13									8.1	10.7
		Dourbali	10				20.1	45.5				6	11.1
		Mandelia	8				13.7	6.3				16.6	22
		Massenya	8									11.6	13.4
	N'Djaména	N'Djaména Centre	18			15	13			3.5	7.8	10.6	14.5
		N'Djaména Est	17			19.1	5.3			7.1	14.6	10.7	14.3
		N'Djaména Nord	5			20.5	6.5			5.5	10	13.5	17.2
		N'Djaména Sud	22			21.2	29.9					8.5	13.8
Southern zone under 5 pop: 511,941	Logone Occidental	Benoye	6									7	11.1
		Laokassy	7									5.5	8.9
		Moundou	12	24.8	26.7							13.4	21.1
	Logone Oriental	Bebedjia	5	9.6						7.2	1.6	10.6	14.8
		Beboto	6	11.7								7.8	14.6
		Bessao	8	7.9								6.1	8.8
		Doba	6	10								8.6	16.7
		Goré	4	4.8								12.5	5.7
	Mandoul	Bedjondo	5									8	7.2
		Goundi	4									3.8	34.8
		Koumra	6									16.3	11.5
		Moissala	8									8.7	15.8
	Moyen Chari	Danamadji	4									3.1	6.2
Kyabé		6									9.4	10	
	Sarh	12									8.8	8.1	

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End-2010, Democratic Republic of the Congo: AFP rate >2 with >80% adequate specimens in all provinces

Province	Population (under 15)	NPAPP rate		Adequate stool *		Achieved 2010
		Rate	Achieved	Percent	Achieved	
Bandundu	3,542,100	6.2	Yes	62.7	No	No
Bas-Congo	1,530,537	4.6	Yes	78.3	No	No
Equateur	3,961,445	4.7	Yes	70.8	No	No
Kasai Occidental	3,312,540	6.9	Yes	68	No	No
Kasai Oriental	4,194,165	6.6	Yes	81.8	Yes	Yes
Katanga	5,050,963	5.9	Yes	64.5	No	No
Kinshasa	3,255,850	3.9	Yes	77.4	No	No
Maniema	922,298	6.2	Yes	77.6	No	No
Nord Kivu	2,917,051	3.2	Yes	70.2	No	No
Oriental	4,354,977	6.8	Yes	89	Yes	Yes
Sud Kivu	2,243,127	6.9	Yes	72.9	No	No

* Adequate stool is calculated as 2 stools collected within 14 day and "good" condition as reported by the receiving lab.

End-2010, Democratic Republic of the Congo: <10% missed children in each SIA in Orientale, North & South Kivu

Country	SIA start date	Percent missed children		Type of SIA	Percent of districts	
		(house to house)	(out of house)		Targeted in SIA	Targeted districts monitored
Democratic Republic of Congo	04-Jun-10	5.8	11.3	sNID	2	100
	18-Jun-10	12.5	5.9	sNID	2	90
	19-Aug-10	13.9	11.7	sNID	34.1	69.4
	23-Sep-10	9.7	16.3	sNID	45.5	78.4
	28-Oct-10	6.8	11.1	sNID	79.7	54.8
	12-Nov-10	3.8	8.4	sNID	3.1	93.8
	25-Nov-10	5.1	7.8	sNID	79.7	16.3

Province	Percent of under 5 y/o population within country	Round 1		Round 2		Round 3		Achieved 2010
		SIA start date: 23-Sep-10		SIA start date: 28-Oct-10		SIA start date: 25-Nov-10		
		Missed H2H	Missed OUT	Missed H2H	Missed OUT	Missed H2H	Missed OUT	
Nord Kivu	8.3	9	40.8	7.1	10.3	4.6	6.1	No
Oriental	12.3			4	9.8	17.4	16.1	No
Sud Kivu	6.4	8.6	9.1	9.3	12.2	2.9	5.7	No

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End-2010, southern Sudan: AFP rate >2 with >80% adequate specimens in all states

States	Population (under 15)	NPAPP rate		Adequate stool *		Achieved 2010
		Rate	Achieved	Percent	Achieved	
Central Equatoria (Bahr el Jebel)	596,987	5.2	Yes	87.9	Yes	Yes
Eastern Equatoria	545,852	5.3	Yes	90	Yes	Yes
Jonglei	795,844	4.1	Yes	100	Yes	Yes
Lakes	608,953	4.8	Yes	86.7	Yes	Yes
North Bahr el Ghazal	799,582	3.3	Yes	96.2	Yes	Yes
Unity	717,315	2.9	Yes	95.2	Yes	Yes
Upper Nile	680,394	4.7	Yes	93.8	Yes	Yes
Warab	1,203,508	3	Yes	91.7	Yes	Yes
West Bahr el Ghazal	256,216	7.8	Yes	85	Yes	Yes
Western Equatoria	414,535	11.8	Yes	98	Yes	Yes

* Adequate stool is calculated as 2 stools collected within 14 day and "good" condition as reported by the receiving lab.

End-2010, southern Sudan: <10% of missed children in each state during each SIA

State	Round 1: Feb. 2010		Round 2: Mar. 2010		Round 3: Nov. 2010		Achieved 2010
	House to house	Out of house	House to house	Out of house	House to house	Out of house	
	Percent missed	Percent missed	Percent missed	Percent missed	Percent missed	Percent missed	
Central Equatoria (Bahr el Jebel)	1.4		4.8		9.1	9.2	Yes
Eastern Equatoria	19.2		20.1		8.3	30.0	No
Jonglei	7.6		6.8		7.4	10.5	No
Lakes	20.9		16.1		13.6	14.1	No
Northern Bahr El Ghaza	13.2		16.1		7.4	7.4	No
Unity	13.7		18.8		2.2		No
Upper Nile	12.4		6.2		5.8		No
Warrap	11.2		14.9		9.5	8.7	No
Western Bahr El Ghaza	5.5		4.1		19.3	13.9	No
Western Equatoria	6.1		5.8		3.0	8.5	Yes

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WPV importation belt

Mid-2010: <10% missed children in two SIAs in all 'WPV importation belt' countries.

Table for countries without virus in the last 12 months (last onset date < 9-Mar-2010)

Country (without virus > 12 months) <i>ordered by country name</i>	SIA start date (Q4 data - yellow highlight)	Percent missed children		Type of SIA	Percent of districts		Achieved 2010
		(house to house)	(out of house)		Targeted in SIA	Targeted districts monitored	
1 Benin	06-Mar-10	2.4		NID	70	100	Yes
	24-Apr-10	2.9	6.9	NID	100	95	
	19-Nov-10	2.9		NID	100	96	
	17-Dec-10	3	32.9	NID	100	88	
2 Burkina Faso	06-Mar-10	3.7		NID	100	100	Yes
	02-Apr-10	2.7		NID	100	100	
	07-May-10	2.8	15.5	NID	100	100	
	28-May-10	1.2	5.8	sNID	54	100	
	02-Jul-10	1.6	4.4	sNID	54	100	
	11-Nov-10	1.8	9.2	NID	100	100	
3 Cameroon	05-Mar-10	8.8	16.4	sNID	36	45	Yes
	23-Apr-10	7.8	11.7	sNID	36	54	
	23-Jul-10	2.9	6	sNID	16	54	
	06-Aug-10	4.4	7.1	sNID	16	54	
4 Central African Republic	05-Mar-10	9.8	13.6	NID	100	67	No
	23-Apr-10	10.1	10.2	NID	100	67	
	02-Nov-10	12.1	15.9	NID	100	67	
5 Côte d'Ivoire	26-Mar-10	2.4	7.8	NID	100	100	Yes
	23-Apr-10	2.4	4.9	NID	100	100	
	26-Oct-10	2.2	5.1	NID	100	100	
6 Eritrea							No data
7 Ethiopia	11-Jun-10	14.8	16.9	sNID	8	100	No
	05-Aug-10	8.4	10.8	sNID	8	88	
	17-Sep-10	10.2	21.3	sNID	9	44	
8 Gambia	06-Mar-10	4.6	35.1	NID	100	100	Yes
	24-Apr-10	1.9	5.5	NID	100	100	
	28-May-10	2.4	4.3	NID	100	100	
	25-Jun-10	2.7	5.5	NID	100	100	
	28-Oct-10	1.5	7.6	NID	100	100	
9 Ghana	05-Mar-10	4.6	2.5	NID	100	51	Yes
	23-Apr-10	4.8	2.7	NID	100	50	
10 Guinea	06-Mar-10	7.3	10.2	NID	100	100	Yes
	27-Mar-10	0.2	1.9	NID	100	100	
	24-Apr-10	0.2	3.2	NID	100	100	
	28-May-10	0.1	1.5	NID	100	100	
	05-Jul-10	0.2	1.8	NID	100	100	
	28-Oct-10	0.1	2.1	NID	100	100	
11 Guinea-Bissau	06-Mar-10	4.7	8.5	NID	100	64	Yes
	24-Apr-10	2.7	5	NID	100	64	
	28-May-10	1.9	0.8	NID	100	100	
12 Somalia							No data
13 Sierra Leone	06-Mar-10	11.4	17.3	NID	100	100	No
	26-Mar-10	9.4	13.1	NID	100	100	
	07-May-10	10.5	14	NID	100	100	
	28-May-10	12	14.9	NID	100	100	
	28-Oct-10	6.4	11.2	NID	100	100	
	26-Nov-10	8.8	11.6	NID	100	100	
14 Togo	01-Apr-10	4.4	10.8	NID	100	103	No
	14-May-10	4	10.4	NID	100	100	

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Table for countries with virus in the last 12 months (last onset date \geq 9-Mar-2010)

Country (with virus < 12 months) <i>ordered by onset date of last virus</i>		Onset date of last virus	SIA start date (Q4 data - yellow highlight)	Percent missed children		Type of SIA	Percent of districts		Achieved 2010	
				(house to house)	(out of house)		Targeted in SIA	Targeted districts monitored		
Countries with virus the last 12 months (last onset date \geq 3/9/2010)	1	Niger	19-Jan-11	26-Mar-10	4	7.7	NID	100	100	Yes
			24-Apr-10	3	5	NID	100	100		
			28-May-10	4	9.1	sNID	31	100		
			01-Nov-10	1.4	4.5	sNID	33	100		
	2	Mali	17-Sep-10	06-Mar-10	11.2		NID	100	95	Yes
				26-Mar-10	2.9	10.1	sNID	14	100	
				24-Apr-10	5.9	11	NID	100	97	
				28-May-10	5.7	7.5	NID	100	78	
				25-Jun-10	5.7	7.6	sNID	86	100	
				28-Oct-10	6.3	5.4	NID	100	95	
	3	Liberia	8-Sep-10	05-Mar-10	2	10.7	NID	100	100	Yes
				23-Apr-10	4.1	5.3	NID	100	100	
				28-May-10	3	3.6	NID	100	100	
				25-Jun-10	5	5.2	NID	100	100	
				29-Oct-10	5.3	4.6	NID	100	93	
				25-Nov-10	4.7	6.3	NID	100	100	
	4	Senegal	30-Apr-10	06-Feb-10	11.6	18.1	sNID	94	92	Yes
				27-Mar-10	6.7	8.6	NID	94	97	
				24-Apr-10	6	7.8	NID	94	98	
				29-May-10	5	8.3	NID	94	98	
26-Jun-10				4.7	9.6	NID	94	98		
27-Oct-10				8.5	11.6	NID	94	98		
5	Mauritania	28-Apr-10	16-Feb-10	34.6		NID	100	89	No	
			06-Mar-10	26.8	38.3	NID	100	89		
			27-Mar-10	23.7	24.9	NID	100	89		
			24-Apr-10	13.4	13.8	NID	100	96		
			28-May-10	12.6	12.3	NID	100	96		
			25-Jun-10	5.2	5.7	NID	100	96		
			28-Oct-10	7.1	10.1	NID	100	96		

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2011 Major Process Indicators – Detailed Results

All countries

End-2011: Non-polio AFP rate >2 and >80% adequate specimen rate achieved at the sub-national level in all endemic, re-established transmission and 'WPV importation belt' countries.

Category	Country	Number of state/provinces with > 100,000 children under 15 y/o.			Number of state/provs. with proportion of adequate specimens:		Achieved 1st Qrt.	
		NPAFP rate			>= 80%	< 80%		
		>= 2	< 2	silent				
1	Endemic	Afghanistan	31	0	0	31	1	No
2		India	32	2	0	28	6	No
3		Nigeria	37	0	0	37	0	Yes
4		Pakistan	8	0	0	8	0	Yes
1	Re-established	Angola	16	2	0	16	2	No
2		Chad	16	1	0	9	9	No
3		Democratic Republic of the Congo	11	0	0	2	9	No
4		Sudan	22	3	0	25	0	No
1	WPV importation belt	Benin	7	5	0	10	2	No
2		Burkina Faso	10	3	0	11	2	No
3		Cameroon	5	5	0	6	4	No
4		Central African Republic	6	0	0	6	1	No
5		Côte d'Ivoire	14	5	0	12	7	No
6		Eritrea	3	1	0	5	1	No
7		Ethiopia	9	1	0	3	8	No
8		Gambia	1	0	0	5	0	Yes
9		Ghana	4	6	0	7	3	No
10		Guinea	8	0	0	1	7	No
11		Guinea-Bissau	1	1	0	1	2	No
12		Liberia	3	2	0	13	1	No
13		Mali	4	4	0	8	1	No
14		Mauritania	6	0	0	11	1	No
15		Niger	7	1	0	3	5	No
16		Senegal	10	1	0	1	10	No
17		Sierra Leone	4	0	0	4	0	Yes
18		Somalia	16	0	0	19	0	Yes
19		Togo	4	2	0	6	0	No
1	2009, 2010, or 2011 outbreak (outside of WPV importation belt)	Burundi	7	9	1	11	5	No
2		Congo	4	1	0	5	6	No
3		Gabon	1	1	0	2	7	No
4		Kazakhstan	11	4	0	16	0	No
5		Kenya	4	4	0	8	0	No
6		Nepal	5	0	0	4	1	No
7		Russian Federation	24	43	0	74	4	No
8		Tajikistan	4	1	0	4	1	No
9		Turkmenistan	6	0	0	6	0	Yes
10		Uganda	32	33	0	62	14	No

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End-2011, Afghanistan: <10% missed children during at least 6 SIAs in each of the 13 conflict-affected districts with persistent transmission in the Southern Region

Province	District	Round 1: 30-Jan-11		Achieved 1st Qrt.	Achieved 2010
		Percent missed			
		H2H	OUT		
Helmand	Bust (LashKar Gah)	30.6		No	No
	Musa Qala	6.7		Yes	No
	Nad-E Ali	46.6		No	No
	Naw Zad	29.0		No	No
	Sarban Qala (Sangin)	36.5		No	No
Kandahar	Qandahara / Dand	8.2		Yes	No
	Maiwand	54.5		No	No
	Panjwai	85.8		No	No
	Shah Wali Kot	85.9		No	No
	Spin Boldak	14.8		No	No
Urozgan	Deh Rawud	12.5		No	No
	Shahid Hassas	53.5		No	No
	Tirin Kot	33.0		No	No

Results in access compromised districts are "adjusted" by adding the proportion of children inaccessible for immunization to the proportion of 'missed children'

End-2011, India: >95% population immunity to type 1 and type 3 polio in the persistent transmission areas of western Uttar Pradesh and central Bihar

The 2011 survey, scheduled for later in the year, will assess immunity to all three poliovirus among children 6-11 months of age randomly selected from the same high risk blocks of UP and Bihar studied in 2010.

State	Number of district	Number of blocks	Percent of children seropositive to type 1	Percent of children seropositive to type 3	Achieved 1st Qrt.	Achieved 2010
Bihar					no data	Yes *
Uttar Pradesh					no data	Yes *

* In 2010 the major process indicator for type 1 was achieved. The proportion of children seropositive to type 3 was 78% in Bihar and 76% in Uttar Pradesh

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End-2011, Nigeria: >80% of children with ≥ 3 doses of OPV (per NPAFP data) in each of the 12 high-risk states (including the 8 persistent transmission states)

States	Population under 15 years of age	Number of NPAFP cases $\geq 3+$ doses	Number of NPAFP cases < 3 doses	Percent 3+dose	Achieved 1st Qrt.
Bauchi *	2,310,917	62	10	86.1	Yes
Borno *	2,100,779	44	16	73.3	No
Gombe	1,156,459	53	4	93.0	Yes
Jigawa *	2,117,910	67	16	80.7	Yes
Kaduna	2,963,204	79	17	82.3	Yes
Kano *	4,623,615	104	97	51.7	No
Katsina *	2,829,377	76	20	79.2	No
Kebbi	1,586,515	129	3	97.7	Yes
Niger	1,952,066	99	2	98.0	Yes
Sokoto *	1,805,795	69	11	86.3	Yes
Yobe *	1,150,575	47	20	70.1	No
Zamfara *	1,601,561	76	18	80.9	Yes

* Persistent transmission states

End-2011, Pakistan: <10% missed children during at least 8 SIAs in the Quetta area and in the persistent transmission district NWFP and agencies of FATA

Province	District / agency	Round 1: sNID	Achieved 1st	Achieved
		31-Jan-11	Qrt.	2010 *
FATA	Bajour	14	No	No
	Khyber	48	No	No
	Mohmand	23	No	No
Khyber-Pakhtunkhwa (NWFP)	Peshawar	4	Yes	Yes
Balochistan	Quetta	6	Yes	Yes
	Killa Abdullah	11	No	Yes
	Pishin	12	No	Yes

* 2010 indicator specified <15% missed children, 2011 indicator became more strict requiring <10% missed children

Results in access compromised districts are "adjusted" by adding the proportion of children inaccessible for immunization to the proportion of 'missed children'

End-2011, Pakistan: >90% of children with > 6 doses of OPV in Sindh and Punjab

Province	Total number of NPAFP cases (6-35 month old children)	Percent with >6 doses OPV	Achieved 1st Qrt.	Achieved 2010
Punjab	985	88.4	No	n/a
Sindh	515	86.6	No	n/a

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End-2011, **Angola**: <10% missed children in all districts of Luanda, Benguela & Kwanza Sul during each SIA

Province	District	Percent of under 5 y/o population within province	Round 1		Achieved 1st Qrt.	Achieved 2010
			SIA start date: 25-Feb-11			
			Missed H2H	Missed OUT		
LUANDA under 5 pop: 1,526,254	Cacuaco	13.8	8.8	7.2	Yes	No
	Cazenga	22.3	7.4	11.5	No	No
	Ingombota	2.9	26.6	3.1	No	No
	Kilamba Kiaxi	13.8	22.2	22.7	No	No
	Maianga	10.3	7.8	7.3	Yes	No
	Rangel	2.8	7.2	7	Yes	No
	Samba	5.1	7	10.5	No	No
	Sambizanga	10.3	2.5	2.1	Yes	No
Viana	18.7	4.4	4.9	Yes	No	
BENGUELA under 5 pop: 733,878	Baia Farta	3.9	10.3	9.4	No	No
	Balombo	7.3	8	6	Yes	Yes
	Benguela	22.8	6.7	5.7	Yes	No
	Bocoio	4				no data
	Caimbambo	4.2				no data
	Chongoroi	4.4				No
	Cubal	8.7				no data
	Ganda	12				Yes
Lobito	32.8	5	8.6	Yes	No	
KUANZA SUL under 5 pop: 344,599	Amboim	11.6				No
	Cassongue	9.8				Yes
	Cela	11.2				no data
	Conda	4.9				no data
	Ebo	10.5				no data
	Kibala	11.3				Yes
	Kilenda	5.7				No
	Libolo	4.7				Yes
	Mussende	5.2				no data
	Porto Amboim	6.9				No
	Seles	8.5				no data
Sumbe	9.8				No	

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End-2011, **Chad**: <10% missed children in greater N'Djamena and in the southern and eastern WPV transmission zones during each SIA

Zones	Round 1		Round 2		Achieved 1st Qrt.	Achieved 2010
	SIA start date: 20-Jan-11		SIA start date: 18-Feb-11			
	Missed H2H	Missed OUT	Missed H2H	Missed OUT		
Eastern zone			7.2	7.7	Yes	No
Greater N'Djamena	10.9	15.9	14.3	28.4	No	No
Southern zone	8.4	9.1	6.1	6.6	Yes	No

Zones	Province	Districts	Percent of under 5 y/o population within zone	Round 1		Round 2	
				SIA start date: 20-Jan-11		SIA start date: 18-Feb-11	
				Missed H2H	Missed OUT	Missed H2H	Missed OUT
Eastern zone under 5 pop: 210,323	Dar Sila	Amdam	6			4.6	3.7
		Goz Beida	28			9.9	13.9
	Ouaddai	Abéché	40			7.6	3.9
		Adré	25			6.1	15.1
Greater N'Djamena under 5 pop: 304,564	Chari Baguirmi	Bouso	13				
		Dourbali	10				
		Mandelia	8	11.9	19.2		
		Massenya	8				
	N'Djaména	N'Djamena	18	12.9	15.4	19.5	28.3
		N'Djamena Est	17	5.2	12.9	12.7	28.9
		N'Djamena Nord	5	13.9	15.3	7.8	27
	N'Djamena Sud	22	11	15	15.8	28.8	
Southern zone under 5 pop: 511,941	Logone Occidental	Benoye	6	38.9	17.1	2.1	2.9
		Laokassy	7	2.6	24.2	4.6	6.1
		Moundou	12	9.4	22.8	2.6	2.2
	Logone Oriental	Bebedjia	5	3.5	12.2	8	10.3
		Beboto	6	6.9	8.5	1.3	2
		Bessao	8	5.3	3.4	4	7.3
		Doba	6	10.4	13.8	7.6	11.7
		Goré	4	8	4.3	4.1	8.5
	Mandoul	Bedjondo	5	12.9	14.4	3.3	4.6
		Goundi	4	7.3	5.1	5.7	6.7
		Koumra	6	8.6	6.4	9.7	6.2
		Moissala	8	8.8	6.9	13.1	7.2
	Moyen Chari	Danamadji	4	5.6	8.7	12.5	13.6
		Kyabé	6	6.3	6	7.7	5
		Sarh	12	6	3.6	11.7	13.7

Progress Report of the GPEI Major Process Indicators for 2010 and 2011

March 25, 2011

End-2011, Democratic Republic of the Congo: AFP rate >2 with >80% adequate specimens in all provinces

Province	Population (under 15)	NPAPP rate		Adequate stool *		Achieved 1st Qrt.	Achieved 2010
		Rate	Achieved	Percent	Achieved		
Bandundu	3,542,100	6	Yes	63.7	No	No	No
Bas-Congo	1,530,537	4.6	Yes	77	No	No	No
Equateur	3,961,445	4.7	Yes	71.3	No	No	No
Kasai Occidental	3,312,540	6.4	Yes	70.1	No	No	No
Kasai Oriental	4,194,165	6.7	Yes	82.5	Yes	Yes	Yes
Katanga	5,050,963	5.5	Yes	65.1	No	No	No
Kinshasa	3,255,850	3.7	Yes	79.3	No	No	Yes
Maniema	922,298	6.2	Yes	77.3	No	No	No
Nord Kivu	2,917,051	3.2	Yes	72	No	No	No
Oriental	4,354,977	5.9	Yes	89.4	Yes	Yes	Yes
Sud Kivu	2,243,127	6.8	Yes	73.5	No	No	No

* Adequate stool is calculated as 2 stools collected within 14 day and "good" condition as reported by the receiving laboratory.

End-2011, Democratic Republic of the Congo: <10% missed children in each SIA in Orientale, North & South Kivu

Country	SIA start date	Percent missed children		Type of SIA	Percent of districts	
		(house to house)	(out of house)		Targeted in SIA	Targeted districts monitored
DRC	20-Jan-11	9.1	6.1	sNID	18.9	20.8

Province	Percent of under 5 y/o population within country	Round 1		Achieved 1st Qrt.	Achieved 2010
		SIA start date:			
		Missed H2H	Missed OUT		
Nord Kivu	8.3			no data	No
Oriental	12.3			no data	No
Sud Kivu	6.4			no data	No

Progress Report of the GPEI Major Process Indicators for 2010 and 2011

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End-2011, southern Sudan: AFP rate >2 with >80% adequate specimens in all states

States	Population (under 15)	NPAPP rate		Adequate stool *		Achieved 1st Qrt.	Achieved 2010
		Rate	Achieved	Percent	Achieved		
Central Equatoria (Bahr el Jebel)	596,987	5.2	Yes	87.9	Yes	Yes	Yes
Eastern Equatoria	545,852	5.3	Yes	90	Yes	Yes	Yes
Jonglei	795,844	4	Yes	100	Yes	Yes	Yes
Lakes	608,953	4.9	Yes	83.9	Yes	Yes	Yes
North Bahr el Ghazal	799,582	3.3	Yes	96.2	Yes	Yes	Yes
Unity	717,315	2.8	Yes	95	Yes	Yes	Yes
Upper Nile	680,394	5.1	Yes	94.3	Yes	Yes	Yes
Warab	1,203,508	3.1	Yes	91.9	Yes	Yes	Yes
West Bahr el Ghazal	256,216	9	Yes	82.6	Yes	Yes	Yes
Western Equatoria	414,535	11.8	Yes	98	Yes	Yes	Yes

* Adequate stool is calculated as 2 stools collected within 14 day and "good" condition as reported by the receiving laboratory.

End-2011, southern Sudan: <10% of missed children in each state during each SIA

State	Round 1:		Achieved 1st Qrt.	Achieved 2010
	House to house	Out of house		
	Percent missed	Percent missed		
Central Equatoria (Bahr el Jebel)			no data	Yes
Eastern Equatoria			no data	No
Jonglei			no data	No
Lakes			no data	No
Northern Bahr El Ghaza			no data	No
Unity			no data	No
Upper Nile			no data	No
Warrap			no data	No
Western Bahr El Ghaza			no data	No
Western Equatoria			no data	Yes

WPV importation belt

End-2011: <10% missed children in two SIAs in all 1st and 2nd level priority countries in the 'WPV importation belt'

All SIAs conducted in 2011 with known independent monitoring data are shown. Both house-to-house and out-of-house monitoring had to be <10% to be counted.

Country	SIA start date	Percent missed children		Type of SIA	Percent of districts		Achieved 1st Qrt.	Achieved 2010
		(house to house)	(out of house)		Targeted in SIA	Targeted districts monitored		
1 Niger	14-Jan-11	3.1	7.6	NID	100	100	too few SIAs	Yes