

Annex A | Progress report of the GPEI major process indicators for 2010

Milestone 1

MILESTONE	MEASUREMENT	BASELINE	STATUS ¹⁸	COMMENTS
By mid-2010: Cessation of all polio outbreaks with onset in 2009	Number of countries ¹⁹ with onset of outbreak in 2009 that report a genetically-related WPV after June 2010	15 countries with WPV importation in 2009	0 countries reporting WPV after 30 Jun 2010	Countries with outbreak in 2009 reporting genetically-related WPV in 2010: Mauritania : latest case 28 April 2010 Mali : latest case 30 March 2010 Sierra Leone : latest case 28 February 2010
Ongoing: Cessation of new outbreaks within six months of confirmation of index case	Number of countries ²⁰ with a new WPV importation (genetically-unrelated to previous circulation) persisting >6 months from confirmation of index case	11 countries with WPV importation in 2010 2 countries with WPV importation in 2011 ²¹ (Gabon, Niger)	0 country with WPV importation persisting >6 months	Countries with outbreak in 2010-11 reporting WPV in last 6 months (latest case): Republic of Congo : 22 Jan 11 Niger : 19 Jan 11 Gabon : 15 Jan 11 Uganda ²² : 15 Nov 10 Russian Federation : 25 Sep 10

Process indicators

GPEI MAJOR PROCESS INDICATOR 2010	MEASUREMENT	BASELINE	FINAL STATUS OF ACHIEVEMENT	COMMENTS
WPV IMPORTATION BELT				
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.	2010: WPV: 82%, 9/11 importation countries responded as per international guidelines. Median response time was 14 days, range 2-33 days.	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.
		2009: cVDPV: NA. Data not systematically collected.	2010: cVDPV: 0% previously polio-free countries with cVDPV	
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

18 Calculated from data reported to WHO/HQ as of 30 March 2011.

19 Excluding endemic and re-established transmission countries (analysed separately).

20 Excluding endemic and re-established transmission countries (analysed separately).

21 Niger reported a WPV3 with onset 19 Jan 2011 that is pending sequencing results.

22 WPV reported in Uganda in 2010 is linked to WVP from Kenya in 2009 and not related to previous Uganda circulation confirming the continuation of the 2009 Kenya/Uganda outbreak.

Milestone 2

MILESTONE	MEASUREMENT	BASELINE	STATUS ²³	COMMENTS
By end-2010 : Cessation of all 're-established' poliovirus transmission	Number of countries with 're-established' WPV transmission reporting genetically related WPV after 31 December 2010	4 countries with 're-established' poliovirus	2 countries with continued re-established WPV in 2011 (Angola, Chad) 1 country at high risk of continued re-established WPV (DRC)	Angola : 4 Feb 2011 case is related to re-established WPV Chad : 30 January 2011 case is related to re-established WPV DRC : Re-established WPV1 detected as recently as 22 November 10 in Katanga along with 2 WPV1 from December (also in Katanga) pending sequencing

Process indicators

GPEI MAJOR PROCESS INDICATOR 2010	OUTCOME	FINAL STATUS OF ACHIEVEMENT
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

23 Calculated from data reported to WHO/HQ as of 30 March 2011.

Milestone 3

MILESTONE	MEASUREMENT	BASELINE	STATUS ²⁴	COMMENTS
By end 2011 : Cessation of all polio transmission in at least 2/4 endemic countries	Number of WPV cases reported year to date 2009 and 2010	WPV Jan-Dec 2009 ¹¹ : Afghanistan : 38 India : 741 Nigeria : 388 Pakistan : 89	% change 2009 to 2010 : Afghanistan : -34% India : -94% Nigeria : -95% Pakistan : +62%	WPV Jan-Dec 2010 ¹¹ : Afghanistan : 25 India : 42 Nigeria : 21 Pakistan : 144

Process indicators

GPEI MAJOR PROCESS INDICATOR - 2010	OUTCOME	FINAL STATUS OF ACHIEVEMENT
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 major process indicator 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 per- sistent transmission states)	11 of 12 states achieved	Not 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
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

²⁴ Calculated from data reported to WHO/HQ as of 30 March 2011.

Major process indicators - all countries

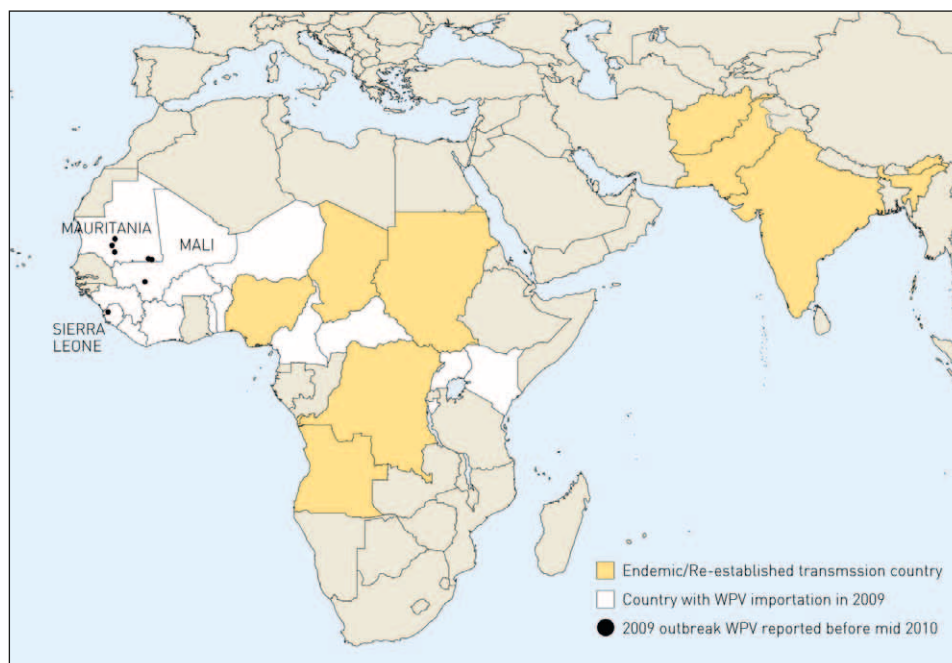
STRENGTHENING IMMUNIZATION SYSTEMS		
GPEI MAJOR PROCESS INDICATOR 2010	MEASUREMENT	FINAL STATUS OF ACHIEVEMENT
By end-2010 : >80% of countries with GPEI international staff establish multiyear plan for all immunization services (including polio)	Reports from regional offices on countries that have established multiyear plans for all immunization services	By end-2010 : >80% of countries with GPEI international staff establish multiyear plan for all immunization services (including polio) 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	>25% of polio field staff time spent contributing to immunization system strengthening

GPEI MAJOR PROCESS INDICATOR 2010	OUTCOME	FINAL STATUS OF ACHIEVEMENT	
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	

Annex B | Supporting data for progress report

Milestone 1a: By mid-2010, cessation of all polio outbreak with onset in 2009*

Status: 0 countries with 2009 outbreak WPV reported after mid-2010



DATE OF MOST RECENT CASE

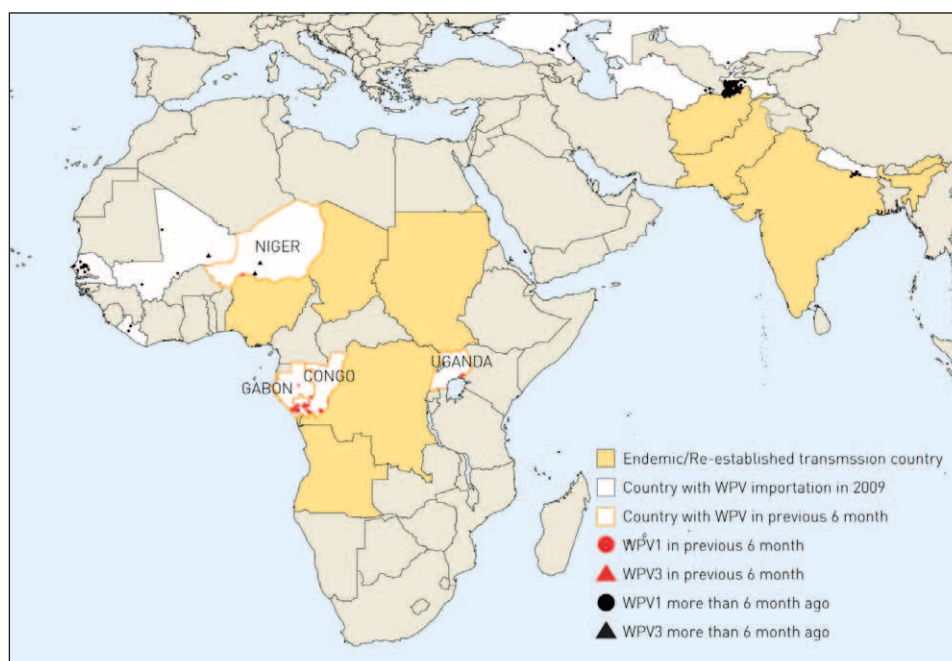
Mauritania	28 Apr 10
Mali	30 Mar 10
Sierra Leone	28 Feb 10

Data at WHO/HQ as of 30 Mar 11.

* Excludes endemic and re-established transmission countries (separate milestones).

Milestone 1b: Cessation of all new polio outbreaks within 6 months*

Status: 0 countries with WPV importation persisting >6 months



*DURATION

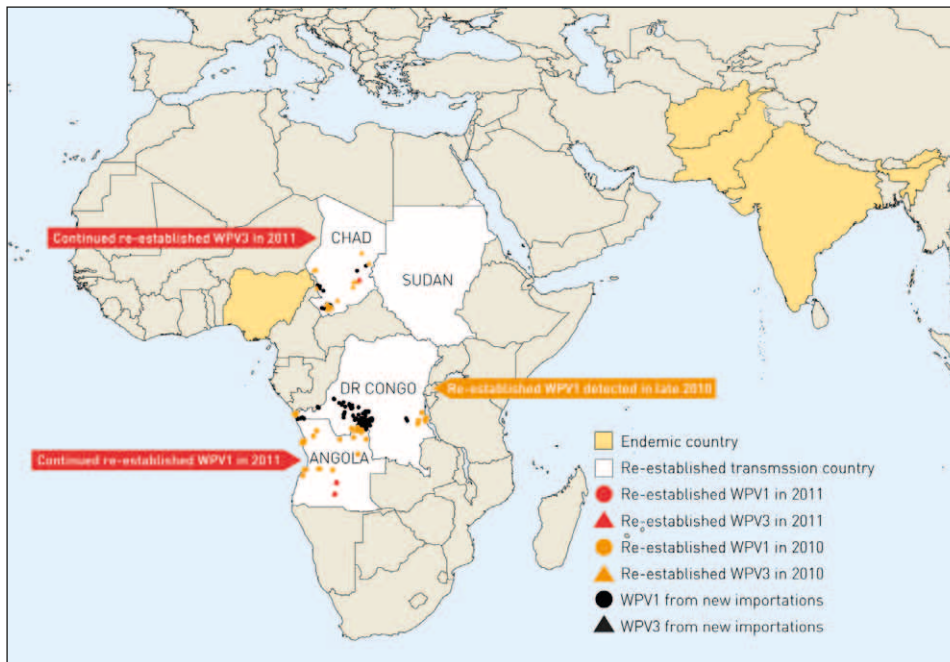
Liberia	5 months
Senegal	3 months
Congo	2 months
Tajikistan	2 months
Nepal	2 months
Russia	1 month
Uganda	<1 month
Mali	<1 month
Gabon	<1 month
Kazakhstan	<1 month
Turkmenistan	<1 month
Niger	<1 month

Data at WHO/HQ as of 30 Mar 11.

* Calculated from date of notification to most recent case.

Milestone 2: By end 2010, cessation of all re-established WPV transmission

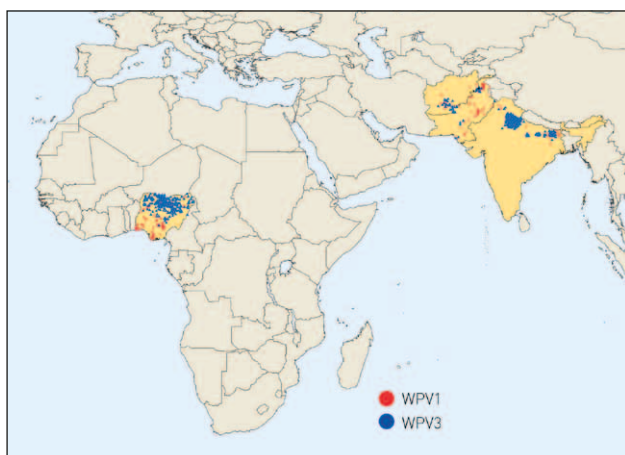
Status: 2 countries with continued re-established WPV transmission in 2011



Data at WHO/HQ as of 30 Mar 11.

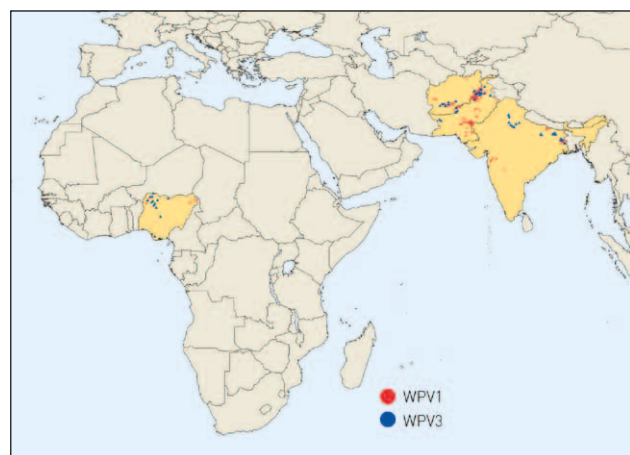
Milestone 3: By end 2011, cessation WPV in 2/4 endemic countries

Status: Three countries with reduction in cases in 2010 compared to 2009



Data at WHO/HQ as of 30 Mar 11.

# WPV CASES IN 2009	
Afghanistan	38
India	741
Nigeria	388
Pakistan	89



Data at WHO/HQ as of 30 Mar 11.

# WPV CASES IN 2010	
Afghanistan	25 (-34%)
India	42 (-94%)
Nigeria	21 (-95%)
Pakistan	144 (+62%)

Acronyms and abbreviations

AFP	Acute flaccid paralysis
AFR	WHO African Region
AMR	WHO Region of the Americas
bOPV	Bivalent oral polio vaccine
CDC	US Centers for Disease Control and Prevention
CHD	Child Health Days
cVDPV	Circulating vaccine-derived poliovirus
EPI	Expanded Programme on Immunization
EMR	WHO Eastern Mediterranean Region
EUR	WHO European Region
GAVI Alliance	Global Alliance for Vaccines and Immunization
GPEI	Global Polio Eradication Initiative
GPLN	Global Polio Laboratory Network
IPDs	Immunization Plus Days
IPV	Inactivated polio vaccine
iVDPV	Immunodeficiency-associated vaccine-derived poliovirus
LGA	Local government area
LQAS	Lot Quality Assurance Sampling
mOPV	Monovalent oral polio vaccine
NGO	Non-governmental organization
NIDs	National Immunization Days
OPV	Oral polio vaccine
RED	Reaching Every District
rRT-PCR	Real-time polymerase chain reaction
SAGE	Strategic Advisory Group of Experts on Immunization
SEAR	WHO South-East Asia Region
SIAD	Short Interval Additional Dose
SIA s	Supplementary Immunization Activities
SNIDs	Sub-national Immunization Days
STOP	Stop Transmission of Polio
tOPV	Trivalent oral polio vaccine
UNICEF	United Nations Children's Fund
VAPP	Vaccine-associated paralytic polio
VDPV	Vaccine-derived poliovirus
WHA	World Health Assembly
WHO	World Health Organization
WPR	WHO Western Pacific Region
WPV	Wild poliovirus