

## **Polio Eradication Efforts in India**

India committed to resolution passed by World Health Assembly for global polio eradication in 1988. National Immunization Day (NID) commonly known as Pulse Polio Immunization programme was launched in India in 1995, and is conducted twice in early part of each year. Additionally multiple rounds (at least two) of sub national immunization day (SNID) have been conducted over the years in high risk states/areas. In these campaigns, children in the age group of 0-5 years are administered polio drops. Over 170 million children are immunized during each NID and 77 million in SNID. Surveillance for detection of polio virus transmission is being done through acute flaccid paralysis (AFP Surveillance) with laboratory network since 1997. Oral polio drops being provided to all children less than five years of age in routine immunization programme.

### **Progress**

1. South-East Asia Region of WHO including India has been certified polio free by “The Regional Certification Commission (RCC)” on 27th March 2014.
2. India reported its last polio case from district Howrah, West Bengal on 13th January, 2011.
3. WHO on 24<sup>th</sup> February 2012 removed India from the list of “endemic countries with active polio virus transmission”

<b>Last Reported Polio Case in Country</b>		
<b>Polio Virus Type</b>	<b>Date of last case</b>	<b>Location</b>
P1	13 January 2011	Howrah (Panchla), West Bengal
P2	24 October 1999	Aligarh, Uttar Pradesh
P3	22 October 2010	Pakur (Pakur), Jharkhand

4. There are 24 lakh vaccinators and 1.5 lakh supervisors involved in the successful implementation of the Pulse Polio Programme (NID).

5. The total number of cases and number of affected districts during past 7 years is as below:

Year	Cases of Polio	Number of districts
2005	66	35
2006	676	114
2007	874	99
2008	559	90
2009	741	56
2010	42	17
2011	01	1
2012	00	00
2013	00	00
2014	00	00
2015	00	00*

\*As on 22<sup>nd</sup> August 2015

#### **Steps taken by the Government to maintain polio free status in India**

- Maintaining community immunity through high quality National and Sub National polio rounds each year.
- An extremely high level of vigilance through surveillance across the country for any importation or circulation of poliovirus and VDPV is being maintained. Environmental surveillance (sewage sampling) have been established to detect poliovirus transmission and as a surrogate indicator of the progress as well for any programmatic interventions strategically in Mumbai, Delhi, Patna, Kolkata Punjab and Gujarat.
- All States and Union Territories in the country have developed a Rapid Response Team (RRT) to respond to any polio outbreak in the country. Emergency Preparedness and Response Plans (EPRP) has also been developed by all States indicating steps to be undertaken in case of detection of a polio case.
- To reduce risk of importation from neighbouring countries, international border vaccination is being provided through continuous vaccination teams (CVT) to all eligible children round the clock. These are provided through special booths set up at

the international borders that India shares with Pakistan, Bangladesh, Bhutan Nepal and Myanmar. 7.8 million children have been vaccinated with OPV as on 31<sup>st</sup> August 2015.

- Government of India has issued guidelines effective since March 2014, for mandatory requirement of polio vaccination to all international travellers for travel to India and other affected countries namely Afghanistan, Nigeria, Pakistan, Ethiopia, Kenya, Somalia Syria and Cameroon.
- A rolling emergency stock of OPV is being maintained to respond to detection/importation of wild poliovirus (WPV) or emergence of circulating vaccine derived poliovirus (cVDPV).
- National Technical Advisory Group on Immunization (NTAGI) has recommended Injectable Polio Vaccine (IPV) introduction as an additional dose along with 3<sup>rd</sup> dose of DPT in the entire country in the last quarter of 2015 as a part of polio endgame strategy.

#### **India to introduce Injectable Inactivated Poliovirus Vaccine (IPV)**

- In May 2012, the World Health Assembly endorsed the Polio Eradication & Endgame Strategic Plan 2013-2018, calling on countries to strengthen routine immunization programmes and introduce at least one dose of injectable Inactivated Poliovirus Vaccine (IPV) in all countries using only oral polio vaccine (OPV).
- India joins 125 other countries to introduce Inactivated Poliovirus Vaccine (IPV) into routine immunization as part of Polio Eradication and Endgame Strategic plan in 2015. IPV would be given along with third dose of oral polio vaccine (OPV) at 14 weeks of age for children under one year of age.



NUMBER OF POLIO CASES FOR 1997-2015 (upto 22<sup>nd</sup> August 2015)

SL.No.	NAME OF THE STATES/UTs	Wild Poliovirus																		
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	ANDHRA PRADESH	15	96	21	0	0	0	21	1	0	0	5	1	0	0	0	0	0	0	
2	A & N ISLANDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	ARUNACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	ASSAM	0	1	0	0	1	0	1	0	0	2	0	1	0	0	0	0	0	0	
5	BIHAR	14	158	123	50	27	121	18	39	30	61	503	233	117	9	0	0	0	0	
6	CHANDIGARH	0	1	2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	
7	CHHATTISGARH	-	-	-	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
8	D & N HAVELI	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	DAMAN & DIU	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	DELHI	12	47	73	3	3	24	3	2	1	7	2	5	4	0	0	0	0	0	
11	GOA	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	GUJARAT	109	164	9	2	1	24	3	0	1	4	1	0	0	0	0	0	0	0	
13	HARYANA	2	39	19	4	5	37	3	2	1	19	6	2	4	1	0	0	0	0	
14	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	
15	JAMMU & KASHMIR	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	
16	JHARKHAND	-	-	-	-	2	12	1	0	2	1	0	0	2	8	0	0	0	0	
17	KARNATAKA	72	71	21	8	0	0	36	1	0	0	1	0	0	0	0	0	0	0	
18	KERALA	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	LAKSHADWEEP	nr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	MADHYA PRADESH	22	107	17	2	0	21	11	0	0	3	0	1	0	0	0	0	0	0	
21	MAHARASHTRA	46	121	18	7	4	6	3	3	0	5	2	2	0	5	0	0	0	0	
22	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	MEGHALAYA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	MIZORAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	NAGALAND	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	ORISSA	4	49	0	0	0	4	2	0	0	0	1	2	0	0	0	0	0	0	
27	PONDICHERRY	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	PUNJAB	2	9	4	0	5	2	1	0	1	8	1	2	4	0	0	0	0	0	
29	RAJASTHAN	21	63	18	0	0	41	4	0	0	1	3	2	3	0	0	0	0	0	
30	SIKKIM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	TAMIL NADU	49	91	7	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
32	TRIPURA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	UTTARAKHAND	-	-	-	-	3	14	0	1	1	13	6	1	4	0	0	0	0	0	
34	UTTAR PRADESH	131	881	773	179	216	1242	88	82	29	548	341	305	602	10	0	0	0	0	
35	WEST BENGAL	31	26	21	8	1	49	28	2	0	1	2	2	0	8	1	0	0	0	
	TOTAL	534	1934	1126	265	268	1600	225	134	66	676	874	559	741	42	1	0	0	0	

