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## CURRENT EPIDEMIOLOGY OF POLIO IN PAKISTAN

As of 21st January, a total of fifty eight wild poliovirus (WPV) cases (55 type-1, 2 type-3 and 1 mixed type-1 & type-3) have been reported during the year 2012 from twenty eight districts/tribal agencies. Fifteen circulating Sabin-2 Derived poliovirus cases have also been reported for 2012 so far. Moreover WPV-1 has also been isolated from 87 out of 236 environmental samples (of the available results) collected during 2012 from large urban populations in the four major provinces.

This compares with 198 wild poliovirus cases in 2011 indicating 70% decrease in the number of reported polio cases in 2012. Likewise there is 53% decrease in the number of districts with polio cases (60 in 2011 compared to 28 in 2012). The proportion of the WPV positive environmental samples nationally indicates 29% decrease in 2012 (37% WPV positive samples out of the total 231 samples) as compared to 2011 (66% WPV positive samples out of the total 205 samples). It is of note that environmental surveillance was expanded to 3 more large cities in 2012, bringing the total number of cities with environmental surveillance to 11. Type-3 wild poliovirus was isolated in 2012 only from Bara tehsil of Khyber Agency; last type-3 case had onset of paralysis on 18th April. WPV-3 was not isolated in environmental samples collected in 2012.

The number of genetic clusters has decreased from 11 in 2011 to 4 in 2012. The overall trend of the reported polio isolates and genetic clusters indicates positive development during 2012. However, positive environmental samples from major urban populations indicate circulation of WPV in large geographical areas.

### Key characteristics of polio cases in 2012 so far:

- 50 (86%) of the cases are from Pashto speaking families
- 41 (70%) polio cases are younger than two years. Median age of confirmed polio cases is 18 months.
- Based on recall of parents: a) median number of OPV doses received by the polio cases is 3 in the areas with no access issues and zero (0) for areas with major access issues in FATA; b) 18 (32%) did not receive any

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OPV dose (through routine vaccination and / or campaigns); c) 8 (14%) cases received 1-3 OPV doses; d) 9 (15%) cases received 4-6 OPV doses; e) 23 (39%) received seven or more OPV doses; and f) 44 (77%) did not receive any routine OPV dose. 9 cases missed OPV doses due to refusal of the family.

**One genetic cluster of WPV-1 (R4) present in all the 4 major provinces and most dominant both in AFP and environmental samples.**

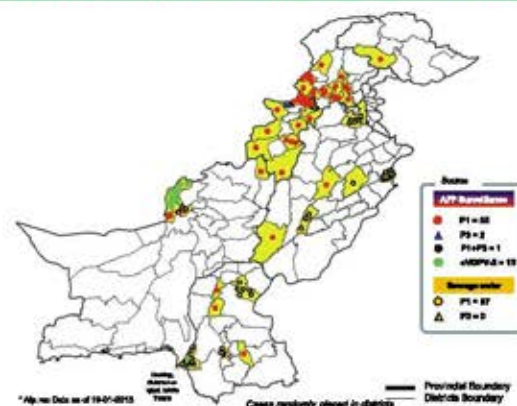
The three polio reservoirs remain the areas of concern with persistent poliovirus circulation: Gaddap Town in Karachi (particularly Union Council 4); Khyber Agency in FATA and central Khyber Pakhtunkhwa; and Quetta block (Quetta, Pishin and Killa Abdullah) in Balochistan. The key challenges to the program are continued ban on vaccination in Waziristan agencies and general fearful environment due to serious security incidents.

The current low transmission season provides an opportunity to build on the gains made during 2012 and stop the circulation by mid 2013. The planned aggressive SIAs strategy for the low transmission season needs to be implemented; keeping the quality and ensuring that every child is vaccinated every time.

## NEWS BRIEFS & UPCOMING EVENTS

- Chairperson of the President's Oversight committee on Polio and Provincial Health Minister Sindh co-chaired a meeting with the Commissioners and Deputy Commissioners to review the SIAs performance, security situation, Measles outbreak response and improving routine immunization in the province.
- Emergency Guidelines issued for areas with security concerns (details on page-2)
- A meeting chaired by Chief Secretary Balochistan was held on 7th January to review the progress on SIAs. It was attended by the Deputy Commissioners and District Health Officers of Quetta Block and the representatives of partner agencies.

## Map-1: Poliovirus Isolates 2012 (as of 19-01-2013)





## Emergency Operational and Security Guidelines

Safety and Security of polio eradication workers has emerged as an enhanced challenge as a result of the security incidents during December 2012 SNIDs during which 9 front-line workers lost their lives in Khyber Pakhtunkhwa and Sindh provinces. The Government of Pakistan together with its polio partners has developed emergency operational and security guidelines for supplementary immunization activities. It is important to recall that polio reservoirs and core endemic areas in the country are the key focus of the National Emergency Action Plan (NEAP) for polio eradication in 2013. The main idea is to make sure that there is maximum possible thrust to conduct the highest possible quality SIAs during the low transmission season in the polio reservoirs in the given situation. There has to be adequate focus in rest of the country as well to make sure the immunity levels are high enough for not letting the wild poliovirus establish its circulation.

The key objective of the guidelines is to help the provincial and district polio eradication teams to: 1) plan in best possible way to conduct campaigns in a more secure environment; 2) build broader and stronger support for the program among the most affected communities; and 3) achieve reconciliation and removal of ban on polio vaccination by some elements, and de-politicize polio eradication in Pakistan.

**Prioritization** has been made based on the high risk epidemiological regions and then within these high risk epidemiological regions, the high risk UCs will be focused and maximum efforts need to be made to achieve highest possible SIAs quality through these SOPs.

**Priority 1:** Reservoirs/Core endemic areas: Central KP, FATA, High Risk Towns of Karachi, Quetta Block, Demographically linked areas with the WPV Reservoirs.

These areas also had the most security incidents and highest risk for security problems as well as WPV transmission.

**Priority 2:** High Risk Districts Other than the Reservoirs: Parts of Northern Sindh, Southern Punjab, and Southern KP

**Priority 3:** The decision about security prioritization will be done by the local authorities.

**Priority 4:** The rest of the country.

### Epidemiologic Prioritization for SIAs – 2013



### Special Operational Strategy Options for Priority 1 High Risk Areas

Before Starting SIA establish security coordination and planning protocols with the concerned local law enforcement agencies that are implemented through UPEC, DPEC and Provincial task force and monitored through polio control rooms at all levels. A security risk analysis is provided by the DPO to the DC 4 days before the SIA. Garner full engagement and support of the most affected communities. Identify and activate all channels of mediation to remove threats to polio vaccination and depoliticize polio and other health services. Make micro-plan that involves all line government departments and community influencers. Do not make high profile announcements about polio round vaccination dates.

#### Option 1 in extremely high security risk areas-Sector Approach ("Fast Track vaccination")

This approach is based on trying to cover a limited area in a limited amount of time. In a high risk security area this would involve employing as many vaccination teams and supervisors as necessary to cover all children in a UC within the shortest time possible (1-2 days). It should be easier to provide enough security to protect vaccinators in a small area. After the teams complete this area they can move on to another area using the same approach. A return visit to mop-up missed children may be done when the security situation permits.

-It will have to employ additional vaccinators and supervisors from the same community as necessary

-Additional fixed sites can be set up at strategic points such as vaccinator house site, private practice clinics, community centers or near mosques, etc. These fixed sites could provide other immunizations, soap, micro-nutrients, etc.

-All line government department staff led by the DC or ADC should be available to lead the efforts in the designated sector campaign

-Increase transit vaccination teams for the areas leading in and out of high risk security areas

#### Option 2: Staggering Approach

This approach is similar to the present way of conducting SIA using 4 days but does not conduct the entire area at the same time. It is staggered with some UCs done in one week then moving to other UCs. The best vaccination teams and supervisors are selected for this activity meaning some may come from another UC. Some more vaccination teams may be employed so that it resembles the sector approach and the campaign can be completed earlier than 4 days.

-Select the best performing vaccination teams and supervisors to work in a limited amount of UCs. It may be necessary to get these quality polio workers from different UCs if not enough local persons are available to provide an adequate number of teams

-Ideally there should be 3 persons in team which must include a local person to guide the vaccinators if they come from a different UC

-Additional fixed sites can be set up at strategic points such as vaccinator house site, private practice clinics, community centers or near mosques, etc. These fixed sites could provide other immunizations, soap, micro-nutrients, etc.

-All line government department staff led by the DC or ADC should be available to lead the efforts in the designated sector campaign

-Increase transit vaccination teams for the areas leading in and out of high risk security areas

#### Options for Priority 2 Area

The same pre campaign planning is necessary as in the priority 1 areas. No vaccination activity should take place until a local security risk assessment and plan is made for the areas. The sector or stagger approach may be necessary for some areas but mostly the activities should be able to be conducted in the usual manner but only after a security component is incorporated into the micro-plan and adequately addressed during the implementation. Again additional fixed vaccination sites should be provided to support the house-to-house work.

#### Options for Priority 3 and Priority-4 Areas

The same pre campaign planning is necessary as in the priority 1 areas. No vaccination activity should take place until a local security risk assessment and plan is made for the areas. The sector or stagger approach may be necessary for a few selected areas but mainly the activities should be able to be conducted in the usual manner but only after a security component is incorporated into the micro-plan and adequately addressed during the implementation.

### Global Update (as of 16th January 2013)

223 polio cases were reported compared to 642 in 2011 in same time period including 217 from endemic countries and 6 from non-endemic countries. The case count by country is: Pakistan-58, Afghanistan-37, Nigeria-122, Chad-5 and Niger-1.

For details, please visit: [www.polioeradication.org](http://www.polioeradication.org)



## AFP Cases by Type of Reporting Site - 2012

Almost two thirds of the AFP cases (68%) in 2012 were reported from public sector health facilities (Table 2). Private sector participation ranges from 7% in Islamabad to 48% in Balochistan. No case was reported by the private sector in AJK and Gilgit Baltistan.

Further analysis shows that in populous districts, majority of the AFP cases were reported by public sector health facilities (Lahore 88%, Peshawar 81%, Larkana 80%, Bahawalpur & Multan 78%, Gujranwala 77%, Rawalpindi 76%, Sukkur 68%, Karachi 65%, Faisalabad 62% & Hyderabad 53%.

The proportion of cases reported by private sector is most significant in Karachi North Nazimabad (78%), Jacobabad (69%) Nasirabad (62%), Gadap (57%); Jafarabad & Dadu (55%); T. Allahyar (54%); K. Abdullah (53%) and (50%) in Quetta, Pishin and Kashmore.

Seventy three percent of the total cases were reported by health facilities which are active surveillance sites and nine percent from zero reporting sites (not taken as active surveillance sites). Fourteen percent of total cases were reported from health facilities/ practitioners which are currently not a part of AFP zero reporting network.

Community based surveillance was helpful in reporting 3% of the total AFP cases with most significant proportion in Balochistan (11%). Significant number of cases were reported in Mirpurkhas & RYarkhan (9), Khairpur (7), Pishin & Lakki-marwat(6). An analysis of reporting pattern from time to time may be helpful in determining the healthcare seeking behavior of community and appropriation of surveillance network accordingly.

Table-1: AFP cases by type of reporting site by province year 2012 (data as of

Province	Type of Reporting Site									
	Public		Armed Forces		Private		Informal Healthcare		Community Based	
Punjab	1670	71%	41	2%	602	25%	17	1%	35	1%
Sindh	678	59%	5	0%	398	35%	8	1%	60	5%
Khyber Pakhtunkhwa	674	76%	9	1%	171	19%	8	1%	24	3%
FATA	73	71%	2	2%	25	24%	1	1%	2	2%
Balochistan	72	38%	0	0%	91	48%	6	3%	20	11%
Azad Jammu & Kashmir	31	94%	2	6%	0	0%	0	0%	0	0%
Gilgit Baltistan	20	100%	0	0%	0	0%	0	0%	0	0%
Islamabad	14	93%	0	0%	1	7%	0	0%	0	0%
Pakistan	3232	68%	59	1%	1228	27%	40	1%	141	3%

Table (2) : Province-wise AFP Surveillance Data for 2011 & 2012

Province/Region	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>1*</sup>									
	Minimum Expected AFP Cases (Annual) <sup>2</sup>	Total Reported AFP Cases	Wild Polio Cases	Indicators			Total Reported AFP Cases	Wild Polio virus Cases	Indicators			Zero Reporting <sup>3</sup> :			Active Surveillance (%) <sup>4</sup> ±	
				Non-Polio AFP Rate	Cases with Adequate Specimens (%) <sup>5</sup> †	60 Day Follow Up (%) <sup>6</sup> ‡			Non-Polio AFP Rate <sup>7</sup>	Cases with Adequate Specimens (%) <sup>5</sup> †	60 Day Follow Up (%) <sup>6</sup> ‡	No. Zero Reporting	Completeness (%) <sup>8</sup> †	Timeliness (%) <sup>9</sup> ‡		
Punjab	813	2632	9	6.45	90	100	813	2381	2	5.9	91	100	2010	99	95	99
Sindh	347	1415	33	7.92	87	100	347	1184	4	6.8	90	97	1507	***	***	***
K-Pakhtoonkhwa μ	206	1031	30	9.70	86	84	206	916	27	8.6	86	67	1212	***	***	***
FATA μ	31	207	52	9.83	89	72	31	94	20	4.8	77	49	231	***	***	***
Balochistan	73	341	73	7.25	78	100	73	192	4	4.7	83	95	563	83	83	100
AJK	32	45	0	2.80	91	91	32	35	0	2.1	94	97	124	100	100	100
Gilgit-Baltistan	14	26	1	3.64	92	100	14	21	1	2.8	88	100	42	100	100	100
Islamabad	12	15	0	2.45	93	100	12	15	0	2.5	87	80	42	100	100	100
Pakistan	1528	5712	198	7.19	88	96	1528	4837	58	6.2	89	91	5731	96	96	100

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by province may not add up to the total because of rounding off

\*\* Non Polio rate is annualized up to week No. 52 ended on 29th December 2012. † Zero reports and active surveillance averaged for last 4 weeks ‡ Target ≥80%

<sup>1</sup> Data as per REC file of 18th January 2013. <sup>2</sup> Population data source: Federal EPI <sup>3</sup> μ Cases from FR areas are included in FATA <sup>4</sup> For received reports only

## FEEDBACK

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Table (3): DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - PUNJAB

District	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>AA</sup>									
	Minimum Expected AFP Cases (Annual) <sup>*</sup>	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Expected AFP Cases (Annual) <sup>*</sup>	Total Reported AFP Cases	Wild Polio Cases	Indicators			Zero Reporting <sup>‡</sup>			Active Surveillance (%) <sup>‡</sup>
				Non-Polio AFP Rate	Cases with Adequate Specimens (%) <sup>†</sup>	60 Day Follow Up (%) <sup>†</sup>				Non-Polio AFP Rate <sup>**</sup>	Cases with Adequate Specimens (%) <sup>†</sup>	60 Day Follow Up (%) <sup>†</sup>	Number of Sites	Completeness (%) <sup>‡</sup>	Timeliness (%) <sup>‡</sup>	
ATTOCK	13	39	0	5.83	90	100	13	40	0	5.98	93	100	77	99	96	100
BAHAWALPUR	28	61	1	4.25	92	100	28	58	0	4.11	97	100	73	100	91	100
BAHWLNAGAR	22	64	0	5.79	86	100	22	63	0	5.70	97	100	90	100	100	100
BHAKKAR	12	44	0	7.53	86	100	12	53	0	9.07	94	100	14	100	100	100
CHAKWAL	11	41	0	7.42	85	100	11	44	0	7.96	89	100	18	100	100	100
CHINIOT	10	35	0	6.97	86	100	10	29	0	5.78	90	100	12	97	97	100
DGKHAN	20	150	1	15.23	87	100	20	145	0	14.82	88	100	56	100	81	100
FAISALABAD	59	140	0	4.76	84	100	59	128	0	4.35	84	97	37	100	100	100
GUJRANWALA	38	139	0	7.24	93	100	38	131	0	6.83	98	100	47	100	95	100
GUJRAT	21	55	0	5.12	89	100	21	58	0	5.40	93	100	118	100	90	100
HAFIZABAD	9	32	0	7.28	97	100	9	32	0	7.28	91	100	54	100	89	100
JHANG	19	44	0	4.52	95	100	19	53	1	5.34	89	100	20	99	99	100
JHELMUM	10	55	0	11.37	96	96	10	28	0	5.79	96	100	72	100	99	100
KASUR	26	69	0	5.28	97	100	26	63	0	4.82	97	100	82	100	96	100
KHANEWAL	22	87	0	7.81	92	100	22	74	0	6.64	93	100	30	93	93	100
KHUSHAB	9	27	0	5.80	100	100	9	21	0	4.51	95	100	16	100	100	100
LAHORE	77	128	1	3.32	91	100	77	146	0	3.81	95	100	42	98	98	98
LAYYAH	13	52	0	7.99	92	100	13	40	0	6.14	83	97	37	100	100	100
LODHRAN	13	53	1	7.97	87	100	13	59	0	9.04	95	100	44	100	90	100
MBDIN	12	43	0	7.37	95	100	12	33	0	5.65	100	100	61	100	100	100
MIANWALI	11	48	0	8.54	94	100	11	38	0	6.76	95	100	17	100	100	100
MULTAN	35	132	0	7.61	87	100	35	112	0	6.46	88	99	46	97	97	100
MUZFARGARH	32	174	1	10.94	87	100	32	129	0	8.15	86	99	48	100	91	100
NANKANASAHIB	14	52	0	7.37	94	100	14	45	0	6.38	96	100	29	100	98	100
NAROWAL	13	41	0	6.38	95	100	13	36	0	5.80	97	100	84	100	91	100
OKARA	24	83	1	6.84	92	100	24	59	0	4.92	90	100	39	100	86	100
PAKPATTEN	14	47	0	6.74	94	100	14	33	0	4.73	82	100	50	100	98	100
RAJANPUR	13	102	0	15.60	87	100	13	83	1	12.54	88	100	39	100	91	100
RAWALPINDI	38	61	0	3.25	93	100	38	79	0	4.21	91	100	120	100	94	100
RYKHAN	37	100	1	5.37	88	100	37	100	0	5.42	88	99	80	82	91	100
SAHIWAL	19	66	0	6.88	85	100	19	38	0	3.96	89	100	39	100	94	(70)
SARGODHA	27	71	0	5.23	96	100	27	61	0	4.50	97	100	159	99	99	100
SHEIKUPURA	23	65	0	5.72	94	100	23	56	0	4.93	95	100	89	100	95	100
SIALKOT	29	80	0	5.45	86	100	29	64	0	4.36	97	100	131	100	91	100
TTSINGH	17	81	0	9.64	81	100	17	72	0	8.57	82	100	14	100	100	100
VEHARI	23	64	2	5.35	94	100	23	78	0	6.73	90	100	26	100	100	100
PUNJAB	813	2625	9	6.44	90	100	813	2381	2	5.85	91	100	2010	99	95	99

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by district may not add up to the total because of rounding off

\*\* Non Polio rate is annualized up to week No. 52 ended on 29th December 2012

† Target ≥80%

‡ Zero reports and active surveillance averaged for last 4 weeks

<sup>AA</sup> Population data source: Federal EPI



Table (4): DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - SINDH

Town/District	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>AA</sup>									
	Minimum Expected AFP Cases (Annual)	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Expected AFP Cases (Annual)	Total Reported AFP Cases	Wild Polio Cases	Indicators			Zero Reporting <sup>†</sup>			Active Surveillance (%) <sup>† †</sup>
				Non-Polio AFP Rate	Cases with Ade- quate Spec- imens (%) <sup>††</sup>	60 Day Follow Up (%) <sup>†</sup>				Non-Polio AFP Rate <sup>**</sup>	Cases with Ade- quate Spec- imens (%) <sup>††</sup>	60 Day Follow Up (%) <sup>†</sup>	Number of Sites	Completeness (%) <sup>† †</sup>	Timeliness (%) <sup>† †</sup>	
Town Wise Summary — Karachi																
BALDIA	6	21	2	6.43	76	100	6	16	0	5.41	81	100	20	***	***	***
BINQASIM	5	16	0	6.84	75	100	5	14	0	5.98	79	100	22	***	***	***
GADAP	4	36	2	15.30	75	97	4	18	0	8.13	78	100	12	***	***	***
GULSHAN-E-IQBAL	8	23	1	5.42	91	100	8	20	0	4.93	90	100	20	***	***	***
GULBERG	5	8	0	3.04	75	100	5	7	0	2.66	100	100	14	***	***	***
JAMSHEED	9	14	0	3.23	71	100	9	16	0	3.69	94	100	18	***	***	***
KAMARI	6	10	0	3.51	90	89	6	8	0	2.81	88	100	11	***	***	***
KORANGI	7	19	0	5.23	95	100	7	12	0	3.30	92	92	13	***	***	***
LANDHI	9	25	0	5.54	88	100	9	20	0	4.43	85	100	22	***	***	***
LAYARI	6	10	0	3.24	70	100	6	8	0	2.59	75	100	15	***	***	***
LIAQATABAD	8	14	0	3.71	100	100	8	10	0	2.65	100	100	17	***	***	***
MALIR	6	19	0	6.45	84	94	6	10	0	3.40	100	100	13	***	***	***
N NAZIMABAD	6	9	0	3.12	78	100	6	10	0	3.47	80	100	14	***	***	***
NORTH KARACHI	8	15	0	3.77	87	100	8	16	0	4.03	88	93	16	***	***	***
ORANGI	11	22	1	3.80	82	91	11	19	0	3.61	100	94	21	***	***	***
SADDAR	9	14	1	2.87	93	100	9	10	0	2.21	100	100	21	***	***	***
SHAHFAISAL	5	10	0	4.06	100	100	5	10	0	4.06	100	100	11	***	***	***
SITE	7	20	2	5.00	80	100	7	14	0	4.12	79	100	16	***	***	***
District Wise Summary — Sindh																
KARACHI	123	305	9	4.73	84	98	123	238	0	3.84	89	99	296	***	***	***
BADIN	12	61	4	9.52	89	100	12	57	0	9.52	100	98	54	***	***	***
DADU	12	63	0	10.31	94	100	12	32	0	5.24	88	96	64	***	***	***
GHOTKI	12	81	0	13.91	88	97	12	77	0	13.3	94	100	50	***	***	***
HYDERABAD	15	50	1	6.39	92	100	15	63	1	8.09	92	100	30	***	***	***
JACOBABAD	8	66	1	17.05	80	97	8	41	0	10.7	76	86	45	***	***	***
JAMSHORO	6	30	1	9.03	83	100	6	28	0	8.72	86	100	37	***	***	***
KAMBAR	11	36	2	6.29	83	97	11	51	0	9.44	78	100	52	***	***	***
KASHMORE	7	34	1	9.39	88	100	7	27	0	7.69	78	96	39	***	***	***
KHAIRPUR	17	87	0	10.12	87	100	17	83	0	9.66	92	95	102	***	***	***
LARKANA	12	55	0	9.39	89	100	12	53	1	8.87	94	96	52	***	***	***
MATIARI	5	28	0	11.05	89	100	5	21	0	8.29	90	100	40	***	***	***
MIRPURKHAS	10	73	0	14.55	96	100	10	51	1	9.96	96	100	104	***	***	***
NFEROZ	11	46	0	8.47	89	93	11	29	1	5.27	79	100	60	***	***	***
SANGHAR	16	49	2	5.80	80	98	16	42	0	5.18	88	95	55	***	***	***
SBENAZIRABAD	10	20	0	3.62	85	100	10	18	0	3.43	94	94	61	***	***	***
SHIKARPUR	9	55	0	11.76	89	100	9	50	0	10.6	92	100	54	***	***	***
SUKKUR	10	27	0	5.24	85	100	10	30	0	5.83	93	83	70	***	***	***
T.ALLAHYAR	5	40	1	15.42	90	98	5	26	0	10.2	88	96	34	***	***	***
THARPARKAR	11	45	0	8.43	87	100	11	46	0	8.62	91	95	98	***	***	***
THATTA	12	90	8	13.97	84	100	12	68	0	11.5	91	93	58	***	***	***
TMKHAN	4	27	2	11.93	100	100	4	18	0	8.59	94	93	12	***	***	***
UMERKOT	8	46	1	11.43	87	100	8	35	0	8.89	91	88	40	***	***	***
SINDH	347	1414	33	7.92	87	99	347	1184	4	6.80	90	97	1507	***	***	***

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by district may not add up to the total because of rounding off.

\*\*\* Data not Available

<sup>AA</sup> Population data source: Federal EPI

<sup>\*\*</sup> Non Polio rate is annualized up to week No. 52 ended on 29th December 2012

<sup>†</sup> Target ≥80%



Table (5): DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - K. PAKHTUNKHWA & FATA

District /Agency	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>^^</sup>									
	Minimum Expected AFP Cases (Annual) *	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Expected AFP Cases (Annual) *	Total Reported AFP Cases	Wild Polio Cases	Indicators			Zero Reporting†			Active Surveillance (%) † ‡
				Non-Polio AFP Rate **	Cases with Ade- quate Specimens	60 Day Follow Up (%) †				Number of Sites	Completeness (%) † ‡	Timeliness (%) † ‡				
District Wise Summary — Khyber-Pakhtunkhwa																
ABOTABAD	9	31	0	6.99	87	(67)	9	42	0	9.48	88	(44)	93	***	***	***
BANNU	8	45	2	10.98	91	96	8	35	0	8.93	91	96	43	***	***	***
BATAGRAM	3	15	0	11.23	87	93	3	14	0	10.49	(57)	(71)	31	***	***	***
BUNIR	6	48	3	13.62	90	94	6	49	1	14.85	90	91	42	***	***	***
CHARSADA	12	64	1	10.81	84	(35)	12	46	2	7.55	91	(37)	49	***	***	***
CHITRAL	3	9	0	5.17	100	(67)	3	13	0	7.46	92	(77)	27	***	***	***
DI KHAN	11	28	0	5.30	93	89	11	30	1	5.49	93	(48)	54	***	***	***
DIR LOWER	9	49	0	11.25	84	94	9	45	0	10.33	84	(76)	62	***	***	***
DIR UPPER	6	21	1	6.18	100	80	6	26	1	7.72	85	96	30	***	***	***
HANGU	4	13	0	6.95	92	(77)	4	11	0	5.88	(73)	91	23	***	***	***
HARIPUR	7	19	0	5.22	89	79	7	22	1	5.77	(55)	(33)	66	***	***	***
KARAK	5	32	0	12.47	88	97	5	24	1	8.96	83	81	28	***	***	***
KOHAT	8	55	6	12.85	85	(69)	8	36	1	9.18	86	93	40	***	***	***
KOHISTAN	4	6	0	3.10	(67)	83	4	8	0	4.13	(75)	(29)	31	***	***	***
LAKKI MARWAT	6	74	3	24.30	89	80	6	58	3	18.82	(79)	87	57	***	***	***
MALAKAND	5	33	0	12.11	(70)	(76)	5	29	0	10.64	93	(62)	46	***	***	***
MANSEHRA	10	42	0	8.02	93	95	10	40	0	7.82	88	(70)	69	***	***	***
MARDAN	17	103	0	12.19	85	100	17	121	4	13.85	88	94	77	***	***	***
NOWSHERA	10	41	2	7.81	(76)	80	10	32	0	6.41	94	(37)	47	***	***	***
PESHAWAR	25	141	6	10.59	(79)	(76)	25	90	6	6.59	84	(36)	124	***	***	***
SHANGLA	5	22	0	8.49	82	100	5	12	1	4.24	83	(42)	35	***	***	***
SWABI	12	79	1	13.20	94	79	12	70	3	11.34	96	(68)	63	***	***	***
SWAT	15	30	0	3.95	90	(77)	15	40	0	5.27	80	(53)	48	***	***	***
TANK	3	20	3	11.05	85	(68)	3	13	0	8.45	(69)	(23)	27	***	***	***
TORGHAR	2	7	2	3.64	86	86	2	10	2	7.29	(60)	(33)	***	***	***	***
K-Pakhtukhwa ^	206	1027	30	9.66	86	81	206	916	27	8.64	86	(67)	1212	***	***	***
Agency Wise Summary — FATA																
BAJOUR	7	49	2	13.32	90	(22)	7	15	5	2.83	100	(0)	28	***	***	***
KHYBER	6	63	25	11.31	87	85	6	42	11	10.02	(62)	(68)	72	***	***	***
KURRAM	4	7	1	2.78	100	(40)	4	5	1	(1.85)	80	(0)	30	***	***	***
MOHMAND	4	25	4	9.58	(76)	(72)	4	11	1	5.04	82	(71)	26	***	***	***
ORAKZAI	2	5	2	2.67	100	100	2	4	0	3.56	(50)	(33)	33	***	***	***
WAZIR-N	3	36	14	12.66	97	97	3	13	1	6.91	92	83	24	***	***	***
WAZIR-S	4	19	4	7.69	95	(74)	4	4	1	(1.54)	100	(0)	18	***	***	***
FATA ^	31	204	52	9.44	90	68	31	94	20	4.75	(77)	(49)	231	***	***	***
K-PAKHTUNKHWA & FATA	237	1231	82	9.63	87	(79)	237	1010	47	8.13	85	(65)	1443	***	***	***

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by district may not add up to the total because of rounding off.

\*\*\* Data not Available

^^ Population data source: Federal EPI

\*\* Non Polio rate is annualized up to week No. 52 ended on 29th December 2012

† Target >90%

‡ Zero reports and active surveillance averaged for last 4 weeks

^ Cases from FR areas are included in FATA

¥ For received reports only



Table (6): DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - BALOCHISTAN

District	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>AA</sup>									
	Minimum Expected AFP <sup>a</sup> Cases (Annual) <sup>b</sup>	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Expected AFP Cases (Annual) <sup>b</sup>	Total Reported AFP Cases	Wild Polio Cases	Indicators			Zero Reporting			Active Surveillance (%) <sup>c</sup> ± %
				Non-Polio AFP Rate	Cases with Adequate Specimens (%) <sup>d</sup>	60 Day Follow Up (%) <sup>d</sup>				Non-Polio AFP Rate <sup>ee</sup>	Cases with Adequate Specimens (%) <sup>d</sup>	60 Day Follow Up (%) <sup>d</sup>	Number of Sites	Completeness (%) <sup>f</sup> ± %	Timeliness (%) <sup>g</sup> ± %	
AWARAN	1	1	0	1.99	0	100	1	1	0	1.99	0	0	12	***	***	***
BARKHAN	1	9	1	13.21	100	100	1	6	0	9.91	83	100	9	67	67	100
BOLAN	3	12	0	8.95	83	83	3	1	0	0.75	100	0	23	***	***	***
CHAGHAI	1	2	0	3.69	50	100	1	4	0	7.38	75	100	19	84	84	100
DBUGTI	2	2	1	0.92	50	100	2	3	0	2.75	100	67	9	***	***	***
GWADUR	2	5	0	4.66	80	80	2	2	0	1.87	100	100	11	***	***	***
HARNAI	1	4	1	6.56	75	100	1	1	0	2.19	100	100	10	***	***	***
JAFARABAD	5	27	0	10.88	85	95	5	29	0	11.69	93	100	38	***	***	***
JHALMAGSI	1	7	0	11.18	57	100	1	2	0	3.20	100	100	21	***	***	***
KABDULAH	5	47	22	9.85	74	80	5	32	0	7.10	72	96	26	85	85	100
KALAT	2	3	1	1.89	33	100	2	3	0	2.84	100	100	15	***	***	***
KECH	4	9	0	5.05	89	100	4	5	0	2.81	100	100	19	***	***	***
KHARAN	1	2	0	3.96	100	100	1	4	0	7.92	50	100	6	***	***	***
KHUZDAR	5	19	5	6.18	79	100	5	7	0	3.09	100	100	31	***	***	***
KOHLU	1	3	1	3.89	67	100	1		0	0.00			6	***	***	***
KSAIFULAH	2	7	2	5.27	43	86	2	2	0	2.11	100		14	***	***	***
LASBELA	4	15	0	8.26	73	100	4	10	0	5.51	100	100	40	***	***	***
LORALAI	2	11	3	7.63	91	100	2	3	0	2.86	67	100	19	***	***	***
MASTUNG	2	6	2	5.12	33	100	2	4	0	5.12	25	50	18	***	***	***
MUSAKHEL	1	3	0	4.20	67	100	1	4	0	5.60	75	100	10	80	80	100
NOSHKI	1	9	3	13.83	100	100	1	5	0	11.53	80	75	13	***	***	***
NSIRABAD	3	22	0	13.99	73	100	3	13	0	8.27	92	100	28	***	***	***
PANJGOUR	2	1	0	0.81	100	100	2		0	0.00			13	***	***	***
PISHIN	4	42	16	10.67	74	98	4	18	0	8.00	72	94	33	100	100	100
QUETTA	10	62	15	9.27	89	100	10	21	3	3.55	100	100	62	***	***	***
SHARANI	1	1	0	2.42	0	100	1	2	1	2.42	100	100	4	***	***	***
SIBI	2	7	0	8.40	86	86	2	6	0	7.20	50	83	20	***	***	***
WASHUK	1		0	0.00			1		0	0.00			9	***	***	***
ZHOB	2	2	0	1.74	100	100	2	4	0	3.49	75	100	15	***	***	***
ZIARAT	1	1	0	1.91	100	100	1		0	0.00			10	***	***	***
BALUCHISTAN	73	341	73	7.25	78	95	73	192	4	4.74	83	95	563	83	83	100

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by district may not add up to the total because of rounding off.

\*\*\* Data not Available \*\* Population data source: Federal EPI \*\*Non Polio rate is annualized up to week No. 52 ended on 29th December 2012

† Target ≥80%

‡ Zero reports and active surveillance averaged for last 4 weeks § For received reports only



**Table (7): DISTRICT WISE SUMMARY OF SURVEILLANCE DATA AJK, G-BALTISTAN & ISLAMABAD**

District	AFP Surveillance Data 2011						AFP Surveillance Data 2012 <sup>aa</sup>									
	Minimum Ex-pected AFP Cases (Annual) *	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Ex-pected AFP Cases (Annual) *	Total Reported AFP Cases	Wild Polio Cases	Indicators			Zero Reporting ±			Active Surveil-lance(%) ± ±
				Non-Polio AFP Rate	Cases with Adequate Specimens (%)†	60 Day Follow Up (%) †				Non-Polio AFP Rate **	Cases with Adequate Specimens (%)†	60 Day Follow Up (%) †	Number of Sites	Completeness (%)† ±	Timeliness (%)† ±	
District Wise Summary of Surveillance Data - AJK																
BAGH	3	6	0	3.88	100	100	3	3	0	2.0	100	100	15	100	100	100
BHIMBER	3	7	0	4.29	100	100	3	8	0	4.29	100	100	11	100	100	100
HATTIAN BALA	2	3	0	3.43	100	100	2	1	0	1.14	100		8	100	100	100
HAVELI	1		0	0.00			1		0	0.00			6	100	100	100
KOTLI	6	6	0	1.97	100	100	6	5	0	1.64	100	100	18	100	100	100
MIRPUR	4	8	0	4.57	100	100	4	7	0	3.99	100	100	28	100	100	100
MUZAFFARABAD	5	8	0	2.32	67	100	5	5	0	2.0	80	100	16	100	100	100
NEELUM	1	2	0	2.83	50	100	1	1	0	2.0	100	100	6	100	100	100
POONCH	4	5	0	2.34	100	80	4	3	0	1.40	67	67	11	100	100	100
SUDNUTI	2	2	0	1.72	50	100	2	2	0	2.0	100	100	07	100	100	100
AJK	32	45	0	2.80	91	95	32	35	0	2.12	94	97	124	100	100	100
District Wise Summary of Surveillance Data - Gilgit-Baltistan																
ASTORE	1	4	0	7.36	100	100	1		0	0.00			5	100	100	100
DIAMIR	3	8	1	3.64	100	50	3	9	1	5.09	67	100	5	100	100	100
GHANCHE	1	1	0	1.46	100	100	1	2	0	2.92	100	100	7	100	100	100
GHIZER	2	6	0	6.90	83	100	2	2	0	2.30	100	100	7	100	100	100
GILGIT	2	6	0	5.94	83	83	2	3	0	2.97	100	100	12	100	100	100
HUNZA	1	1	0	1.41	100	100	1	1	0	1.41	100	100		100	100	100
SKARDU	3	2	0	1.19	100	100	3	4	0	2.38	100	100	6	100	100	100
GILGIT-BALTISTAN	14	26	1	3.64	92	85	14	21	1	2.76	86	100	42	100	100	100
District Wise Summary of Surveillance Data - Islamabad																
Islamabad	12	15	0	2.45	93	100	12	15	0	2.45	87	80	42	100	97	100

\* The expected number of AFP cases calculated @ 2/100,000 children below 15 years of age; number expected cases by district may not add up to the total because of rounding off.

**Table (8): REPORTED AFP CASES BY WEEK OF ONSET<sup>i</sup> — (Source RRL REC file 18/01/2013)**

Province	Total AFP 2011	Total AFP 2012	W 15 Sep	W 22 Sep	W 29 Sep	W 06 Oct	W 13 Oct	W 20 Oct	W 27 Oct	W 03 Nov	W 10 Nov	W 17 Nov	W 24 Nov	W 01 Dec	W 08 Dec	W 15 Dec
Punjab	2632	2381	61	57	51	46	45	40	23	32	34	35	44	44	29	10
Sindh	1415	1184	20	16	14	26	24	29	10	26	27	26	21	16	14	2
K-Pakhtunkhwa	207	916	23	20	26	22	23	21	18	18	12	21	19	19	11	4
FATA	341	94	1	3	3	4	2	1	5	2	5	5	1	2	1	0
Balochistan	45	192	7	5	7	4	3	5	5	3	4	5	2	2	2	0
AJK	15	35	2	3	1	0	1	1	0	0	0	1	0	0	0	0
Gilgit-Baltistan	28	21	1	0	1	1	2	0	0	0	1	0	0	0	0	0
Islamabad	1031	15	0	1	1	0	0	0	0	0	0	0	0	1	0	0
Pakistan	5712	4837	115	105	104	103	100	97	61	81	83	93	87	84	57	16

**Table (9): CONFIRMED POLIO CASES BY MONTH OF ONSET — (Source AFP REC file)**

Province	2010	2011	2012	Last 12 months											
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Punjab	7	9	2	1	-	-	-	1	-	-	1	-	-	-	-
Sindh	27	33	4	2	-	-	-	1	-	-	-	1	-	-	-
K-Pakhtunkhwa	26	23 <sup>a</sup>	27	4	-	-	-	-	1	3	7	4	5	3	-
FATA	72	59 <sup>a</sup>	20	2	3	1	1	4	-	2	-	3	2	1	-
Balochistan	12	73	4	2	-	-	-	-	1	-	-	-	1	-	-
AJK/ Gilgit-Baltistan	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-
Islamabad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	144	198	58	11	3	1	1	6	2	5	9	8	8	4	-

<sup>i</sup> Epidemiological week calendar, <sup>†</sup> Data not complete

<sup>a</sup> Cases FR areas are included in FATA



## SUMMARY OF CONTROL / OPERATIONS ROOM DATA - DECEMBER 2012 SNIDs

District / agency / town	Planning Data Total target population for the campaign (n)	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated (n)			Children still unvaccinated among recorded unvaccinated (n)		
				Not Available	Refusal	Total	Not Available	Refusal	Total
ATTOCK	128,747	133,190	103	9,917	30	9,947	29	2	31
BAHAWALPUR	202,341	214,713	106	20,281	3	20,284	1,468	0	1,468
DGKHAN	490,235	492,291	100	44,594	218	44,812	2,400	0	2,400
FAISALABAD	1,218,035	1,202,143	99	122,268	413	122,681	30,716	161	30,877
JHANG	254,339	277,294	109	30,846	88	30,934	2,778	52	2,830
LAHORE	1,434,728	1,572,384	110	125,934	748	126,682	8,836	178	9,014
LODHRAN	276,075	272,490	99	35,233	147	35,380	2,435	0	2,435
MIANWALI	131,254	140,801	107	9,510	58	9,568	296	31	327
MULTAN	727,208	778,636	107	96,315	346	96,661	11,038	129	11,167
MUZFARGARH	724,398	745,096	103	78,651	107	78,758	6,053	0	6,053
RAJANPUR	315,519	340,190	108	33,911	180	34,091	2,624	0	2,624
RAWALPINDI	703,898	739,720	105	60,742	308	61,050	2,449	73	2,522
RYKHAN	794,467	818,156	103	71,532	191	71,723	886	0	886
<b>PUNJAB</b>	<b>7,401,244</b>	<b>7,727,104</b>	<b>104</b>	<b>739,734</b>	<b>2,837</b>	<b>742,571</b>	<b>72,008</b>	<b>626</b>	<b>72,634</b>
BADIN	83,615	92,149	110	5,875	41	5,916	1,186	29	1,215
DADU	57,145	66,946	117	3,032	0	3,032	269	0	269
GHOTKI	316,855	320,906	101	33,563	303	33,866	6,720	51	6,771
HYDERABAD	298,947	305,386	102	34,647	1,528	36,175	5,449	1,022	6,471
JACOBABAD	192,248	208,355	108	18,620	1,344	19,964	2,168	288	2,456
JAMSHORO	71,972	75,666	105	7,914	211	8,125	2,171	27	2,198
KAMBAR	273,679	278,557	102	26,583	197	26,780	3,775	197	3,972
KASHMORE	198,831	203,347	102	16,046	135	16,181	2,069	6	2,075
KHAIRPUR	360,661	430,977	119	34,856	329	35,185	2,148	82	2,230
KHIBALDIA	116,200	14,640	13	1,747	192	1,939	1,186	164	1,350
KHIBINQASIM	56,612	57,162	101	2,978	458	3,436	1,017	418	1,435
KHIGADAP	218,421	97,389	45	4,071	604	4,675	1,131	516	1,647
KHIGIQBAL	167,376	50,989	30	4,550	983	5,533	3,010	791	3,801
KHIGULBERG	23,949	23,394	98	1,869	339	2,208	97	179	276
KHIJAMSHEED	93,059	29,070	31	1,115	418	1,533	57	131	188
KHIKAMARI	68,663	18,572	27	1,086	94	1,180	673	70	743
KHIKORANGI	45,595	11,591	25	1,276	83	1,359	1,063	78	1,141
KHILANDHI	81,659	26,141	32	1,992	242	2,234	1,537	176	1,713
KHILAYARI	21,589	5,803	27	870	44	914	452	42	494
KHILIAQAT	80,844	83,789	104	7,501	1,905	9,406	436	1,453	1,889
KHIMALIR	33,370	30,145	90	2,623	247	2,870	513	74	587
KHINNAZIM	45,330	41,891	92	3,151	1,608	4,759	1,416	646	2,062
KHINORTH	55,995	47,228	84	6,426	664	7,090	3,760	574	4,334
KHIORANGI	90,940	28,346	31	2,971	365	3,336	1,485	263	1,748
KHISADDAR	63,546	36,521	57	2,074	172	2,246	885	105	990
KHISHAHFAISAL	30,672	10,017	33	550	121	671	283	49	332
KHISITE	97,635	28,700	29	2,494	491	2,985	1,698	396	2,094
LARKANA	299,549	296,728	99	32,243	99	32,342	887	56	943
MATIARI	46,299	45,981	99	3,967	57	4,024	1,090	44	1,134
MIRPURKHAS	41,462	42,430	102	3,236	30	3,266	731	11	742
NFEROZ	263,290	271,273	103	19,153	75	19,228	1,616	38	1,654
SANGHAR	55,863	48,095	86	5,018	447	5,465	1,101	356	1,457
SBENAZIRABAD	9,334	10,204	109	687	2	689	127	0	127
SHIKARPUR	206,355	246,008	119	23,598	136	23,734	1,928	84	2,012
SUKKUR	254,975	256,366	101	21,527	159	21,686	5,292	116	5,408
T.ALLAHYAR	53,594	58,675	109	5,988	99	6,087	948	23	971
THATTA	86,571	93,301	108	6,500	17	6,517	504	10	514
TMKHAN	34,559	42,239	122	2,427	34	2,461	147	12	159
UMERKOT	38,184	54,957	144	4,448	38	4,486	884	8	892
<b>SINDH</b>	<b>4,635,443</b>	<b>4,089,934</b>	<b>88</b>	<b>359,272</b>	<b>14,304</b>	<b>373,576</b>	<b>61,909</b>	<b>8,578</b>	<b>70,487</b>



## SUMMARY OF CONTROL / OPERATIONS ROOM DATA - DECEMBER 2012 SNIDs

District / agency / town	Planning Data	Reported Coverage		Reported unvaccinated children					
	Total target population for the campaign (n)	Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated (n)			Children still unvaccinated among recorded unvaccinated (n)		
				Not Available	Refusal	Total	Not Available	Refusal	Total
ABOTABAD	193,353	162,984	84	13,966	658	14,624	2,538	616	3,154
BANNU	156,753	151,727	97	13,322	3,923	17,245	632	1,678	2,310
BATAGRAM	79,231	80,870	102	6,428	44	6,472	134	3	137
BUNIR	178,292	183,257	103	16,052	41	16,093	1,259	1	1,260
CHARSADA	251,125	227,220	90	26,707	1,186	27,893	18,977	929	19,906
CHITRAL	65,410	66,130	101	3,848	0	3,848	1,609	0	1,609
DIKHAN	281,860	267,866	102	28,696	1,061	29,757	4,372	874	5,246
DIRLOWER	263,102	257,973	98	19,978	58	20,036	1,483	0	1,483
DIRUPPER	172,365	177,868	103	10,215	18	10,233	2,019	0	2,019
HANGU	112,569	112,512	100	7,775	94	7,869	897	19	916
HARIPUR	180,986	177,294	98	17,252	339	17,591	3,825	265	4,090
KARAK	112,874	108,534	96	10,156	785	10,941	1,039	476	1,515
KOHAT	181,729	187,375	103	16,582	1,054	17,636	2,171	274	2,445
KOHISTAN	74,295	64,785	87	2,814	21	2,835	170	13	183
LAKKIMRWT	144,857	144,850	100	13,641	2,416	16,057	2,429	1,773	4,202
MALAKAND	113,990	116,891	103	12,253	309	12,562	1,127	0	1,127
MANSEHRA	267,480	231,481	87	20,207	535	20,742	5,448	471	5,919
MARDAN	382,388	339,731	89	38,187	3,308	41,495	25,780	2,829	28,609
NOWSHERA	265,656	248,633	94	30,270	1,887	32,157	20,255	1,584	21,839
PESHAWAR	757,160	684,692	90	77,881	5,768	83,649	48,103	5,045	53,148
SHANGLA	139,926	136,857	98	5,543	7	5,550	2	6	8
SWABI	249,563	235,920	95	24,518	2,929	27,447	18,724	2,685	21,409
SWAT	421,633	396,498	94	29,256	57	29,313	2,728	19	2,747
TANK	75,633	79,677	105	5,293	197	5,490	602	158	760
TORGHAR	37,995	37,449	99	1,158	0	1,158	200	0	200
<b>KP</b>	<b>5,140,225</b>	<b>4,878,874</b>	<b>95</b>	<b>451,998</b>	<b>26,695</b>	<b>478,693</b>	<b>166,523</b>	<b>19,718</b>	<b>186,241</b>
BAJOUR	215,953	213,955	99	19,939	199	20,138	4,200	46	4,246
FR BANNU	44,943	44,041	98	2,057	403	2,460	171	384	555
FR DIKHAN	13,637	14,002	103	1,214	100	1,314	116	51	167
FR KOHAT	21,677	20,775	96	1,618	109	1,727	279	0	279
FR LAKKI	8,075	8,479	105	648	42	690	59	4	63
FR PESHAWAR	8,558	11,727	137	1,084	193	1,277	293	80	373
FR TANK	9,277	10,432	112	652	32	684	23	0	23
KHYBER	147,463	147,839	100	17,418	989	18,407	5,736	663	6,399
KURRAM	118,017	117,163	99	12,488	86	12,574	3,772	19	3,791
MOHMAND	87,753	86,827	99	5,405	90	5,495	990	6	996
ORAKZI	33,002	30,840	93	1,567	0	1,567	197	0	197
WAZIR-S	7,040	6,856	97	146	3	149	13	0	13
<b>FATA</b>	<b>715,395</b>	<b>712,936</b>	<b>100</b>	<b>64,236</b>	<b>2,246</b>	<b>66,482</b>	<b>15,849</b>	<b>1,253</b>	<b>17,102</b>



## SUMMARY OF CONTROL / OPERATIONS ROOM DATA - DECEMBER 2012 SNIDs

District / agency / town	Planning Data	Reported Coverage		Reported unvaccinated children					
	Total target population for the campaign (n)	Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated (n)			Children still unvaccinated among recorded unvaccinated (n)		
				Not Available	Refusal	Total	Not Available	Refusal	Total
CHAGHAI	18,222	11,125	61	258	53	311	8	3	11
JAFARABAD	166,113	161,738	97	13,117	65	13,182	11,320	44	11,364
KHUZDAR	116,562	74,354	64	3,316	5	3,321	599	0	599
KSAIFULAH	57,132	58,676	103	1,066	663	1,729	218	183	401
LASBELA	36,448	36,873	101	1,749	70	1,819	213	54	267
MASTUNG	40,870	37,047	91	678	233	911	399	217	616
MUSAKHEL	6,735	6,697	99	226	87	313	46	1	47
NSIRABAD	133,770	120,771	90	8,204	192	8,396	224	17	241
SHARANI	17,131	17,303	101	365	628	993	59	114	173
ZHOB	54,015	54,177	100	1,083	1,247	2,330	162	303	465
<b>BALUCHISTAN</b>	<b>646,998</b>	<b>578,761</b>	<b>89</b>	<b>30,062</b>	<b>3,243</b>	<b>33,305</b>	<b>13,133</b>	<b>905</b>	<b>14,038</b>
DIAMER	45,087	45,145	100	503	116	619	3	21	24
<b>G.BALUCHISTAN</b>	<b>45,087</b>	<b>45,145</b>	<b>100</b>	<b>503</b>	<b>116</b>	<b>619</b>	<b>3</b>	<b>21</b>	<b>24</b>
CDA	56,811	57,839	102	4,341	122	4,463	810	62	872
ICT	51,648	53,391	103	4,265	83	4,348	700	48	748
<b>ISLAMABAD</b>	<b>108,459</b>	<b>111,230</b>	<b>103</b>	<b>8,606</b>	<b>205</b>	<b>8,811</b>	<b>1,510</b>	<b>110</b>	<b>1,620</b>

Province / Region	Planning Data	Reported Coverage		Reported unvaccinated children					
	Total target population for the campaign (n)	Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated (n)			Children still unvaccinated among recorded unvaccinated (n)		
				Not Available	Refusal	Total	Not Available	Refusal	Total
PUNJAB	7,401,244	7,727,104	104	739,734	2,837	742,571	72,008	626	72,634
SINDH	4,635,443	4,089,934	88	359,272	14,304	373,576	61,909	8,578	70,487
KP	5,140,225	4,878,874	95	451,998	26,695	478,693	166,523	19,718	186,241
FATA	715,395	712,936	100	64,236	2,246	66,482	15,849	1,253	17,102
BALUCHISTAN	646,998	578,761	89	30,062	3,243	33,305	13,133	905	14,038
G. BALUCHISTAN	45,087	45,145	100	503	116	619	3	21	24
ISLAMABAD	108,459	111,230	103	8,606	205	8,811	1,510	110	1,620
<b>Grand Total</b>	<b>18,692,851</b>	<b>18,143,984</b>	<b>97</b>	<b>1,654,411</b>	<b>49,646</b>	<b>1,704,057</b>	<b>330,935</b>	<b>31,211</b>	<b>362,146</b>



## December 2012 SNIDs

A round of Sub-National Immunization Days was planned in 102 districts/tribal agencies/towns across the country; 13 in Punjab, 39 in Sindh, 25 in Khyber Pakhtunkhwa, 12 in FATA, 10 in Baluchistan, 01 in GB and 02 districts of Islamabad; on 17-19 December. 67 of the districts were included entirely while 35 districts were partially included targeting high risk UCs/areas and populations. A total of 18.6 million children (55% of the total population aged less than 5 years) were targeted with bivalent OPV (bOPV).

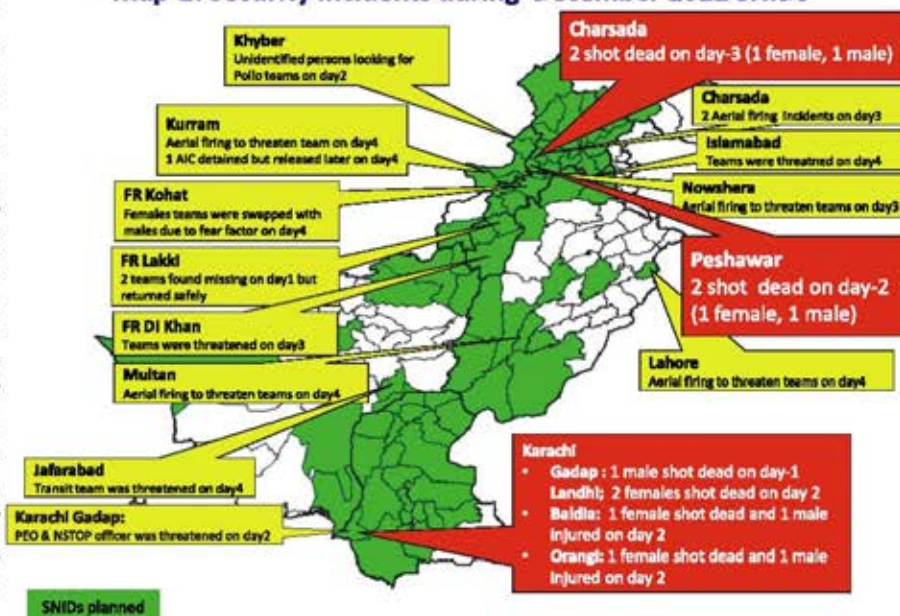
The SNIDs were inaugurated at the national level by the Prime Minister's Focal Person for Polio Eradication Ms. Shahnaz Wazir Ali (Islamabad). Campaign was inaugurated in most of the districts by DCs and other government officials.

During the course of the campaign, a series of security incidents happened involving polio eradication field workers; starting from Karachi on first day (17<sup>th</sup> December) of the campaign and then in parts of Khyber Pakhtunkhwa and Karachi during rest of the SNIDs. The menacing wave of security incidents took the lives of 9 frontline polio workers and 2 of them were injured. Two polio workers each were shot dead in Charsadda and Peshawar districts of KP, two in Landhi town Karachi and one each in Gaddap (WHO supported UC polio worker), Baldia and Orangi towns Karachi in Sindh. Moreover, polio workers were threatened by unknown miscreants in Islamabad, Gadap Town Karachi in Sindh, Nowshera, Charssada and Swabi in KP, Lahore and Multan in Punjab, Khyber and Kurram agencies, FR Kohat, FR Lakki Marwat and FR D.I. Khan in FATA and Jaffarabad in Baluchistan.



Ms Shahnaz Wazir Ali Inaugurating the SNIDs

### Map-2: Security Incidents during December 2012 SNIDs



The SNIDs were disrupted in Khyber Pakhtunkhwa and Sindh (mainly Karachi); hence a significant number of targeted children could not be reached during the stipulated 3 days. Emergency meetings of the National and Provincial Steering Committees and District Polio Eradication Committees (DPEC) were held to review the situation and plan to cover the remaining children while ensuring the safety and security of the front-line polio eradication workers. The Provincial and District level administrative and political leadership extended full efforts to ensure that the teams wherever they can in a secure and safe manner and possibly vaccinate every single targeted child.

As of reports available, a total of 17 million children have been vaccinated among the ones targeted for December SNIDs; 7.7 million in Punjab, 4.08 million in Sindh, 4.8 million in Khyber Pakhtunkhwa, 0.7 million in FATA, 0.57 million in Balochistan, 0.11 million in Islamabad and 45,000 in Gilgit Baltistan. The campaign was reported to be completed in all the targeted areas of Punjab, Baluchistan, FATA, Khyber Pakhtunkhwa, Gilgit Baltistan and Islamabad while some areas of Sindh and KP could not be reached. Reportedly, a total of 0.95 million children could not be reached, 0.5 million in Sindh due to insecurity and 96,000 in KP due to heavy snowfall. These are in addition to more than 200,000 children not reached in South and North Waziristan since June 2012 due to ban on polio vaccination campaigns.

Post campaign independent monitoring and Lot quality Assurance Sampling could not be performed due to insecurity.