

CURRENT EPIDEMIOLOGY OF POLIO IN PAKISTAN

As of 30th April 2015, 22 type-1 wild poliovirus (WPV) cases have been reported in year 2015 from 12 districts/ towns/ tribal agencies/ FR areas (compared to 68 in 2014 from 09 districts/ towns/ tribal agencies/ FR areas). Moreover, WPV-1 has also been isolated from 28 environmental samples in 2015 (out of 103 samples for which results are available) from Karachi (Gadap, Baldia and Gulshan-e-Iqbal towns), Hyderabad, Sukkur and Jacobabad in Sindh; Peshawar and DI Khan in Khyber Pakhtunkhwa; Lahore and Rawalpindi in Punjab, Quetta and Killa Abdullah in Balochistan and Islamabad. Two sabin-2 like poliovirus cases have been reported so far in 2015 from Khyber agency in FATA.

Following are the key epidemiological characteristics of polio cases reported in 2015:

- 18 (81.8%) polio cases are younger than two years (median age: 13.5 months).
- Based on recall of parents, four (18.2%) cases did not receive any OPV dose (through routine vaccination and/ or campaigns); three (13.6%) cases received 1-3 OPV doses, four (18.2%) received 4-6 doses; while 11 (50%) polio cases received 7 or more OPV doses.
- Ten polio cases had date of onset of paralysis in January, ten in February and two in March.

It is worth mentioning that, Pakistan has reported less than one third of wild poliovirus cases this year as per point in time comparison with 2014. Khyber Pakhtunkhwa 40.9% (9/22) and FATA 27.3% (6/22) together reported 68.2% (15/22) wild polio cases in 2015 as compared to 92.6% (63/68) in 2014 at this point in time. No wild polio case have been reported from North Waziristan agency and South Waziristan agency reported only one case this year so far as compared to 73.3% (50/68) polio cases last year for the same time. These findings indicates that the main decline in wild poliovirus cases this year are attributed to these regions of the country. Khyber agency alone reported 22.7% (5/22) of the total wild polio cases so far this year as compared to one case in 2014.

Peshawar contributed 55.5% (5/9) of the wild polio cases reported this year from Khyber Pakhtunkhwa. Moreover; the two environmental sampling sites in Peshawar have also the presence of WPV-1 in five of six samples collected this year for which the results are available. This indicates that, Peshawar district remains the key polio reservoir in 2015. One out of eight environmental samples collected so far this year from Dera Ismail Khan in Khyber Pakhtunkhwa has been reported positive for WPV-1.

The situation in Karachi has been extremely concerning where 23 out of 29 wild polio cases of Sindh province reported from nine towns in 2014. Fortunately, no wild poliovirus case has been reported so far this year from Karachi. However, all the three environmental sampling sites in Karachi

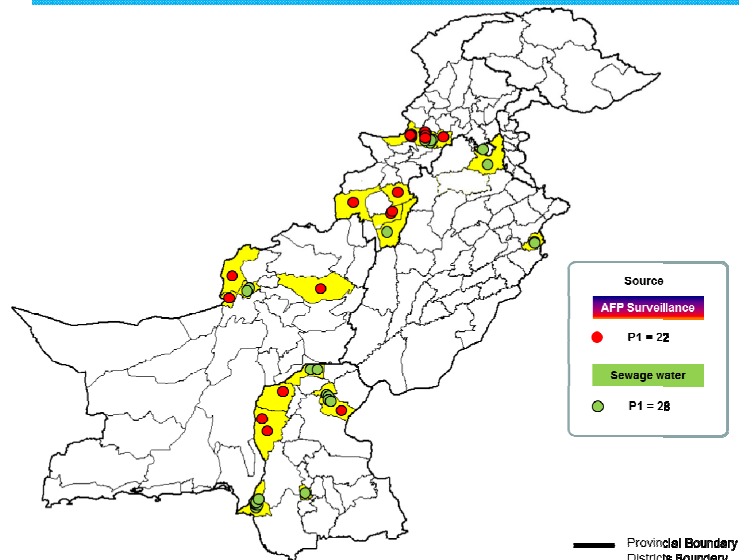
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have shown the presence of wild poliovirus in sewage water samples indicating continuous WPV circulation. Wild poliovirus cases reported from Qambar, Dadu, and Sukkur districts; along with the positive environmental samples from Hyderabad, Sukkur and Jacobabad districts in Sindh indicates widespread circulation of WPV and substantial immunity gaps across interior Sindh.

Balochistan province did report 25 wild poliovirus cases in 2014 after an interval of 23 months; of which 19 (76%) cases were reported from Quetta Block (Killa Abdullah, Quetta and Pishin districts). Furthermore, WPV-1 was continuously present in the environmental samples collected from Quetta and Killa Abdullah in 2014. This year, Balochistan reported three WPV-1 cases so far (one each from Killa Abdullah, Quetta and Loralai districts), while no sewage water sample has been turned positive for WPV after January 2015 indicating notable improvement in Quetta Block.

No poliovirus case have been reported so far in 2015 from Punjab. However, WPV-1 has been detected in two out of 15 environmental samples collected this year from five sites of Lahore. WPV-1 has also been detected in one out of six environmental samples collected from the two sites in Rawalpindi. No WPV positive environmental sample has been reported from Multan this year, while environmental samples collected from Faisalabad district have been negative for WPV after 3rd January 2013. In the capital territory of Islamabad, one sample collected in January has been turned positive for wild poliovirus, out of the total three environmental samples for which the results are available so far in 2015.

Map-1: Poliovirus Isolates 2015 (As of 30-04-2015)



News Briefs and Events

- A meeting of Independent Monitoring Board (IMB) convened on 29-30 April in Abu Dhabi UAE to assess the progress towards the global goal of polio eradication.
- AFP surveillance reviews have been conducted in the selected districts of Khyber Pakhtunkhwa, Sindh and central Pakistan to assess the structure, extent, functions and the processes of different surveillance components

AN UPDATE ON APRIL 2015 SNIDs

Sub National Immunization Days (SNIDs) for April 2015 have been completed in 75 of 80 planned districts/ towns/ agencies/ areas across the country using bivalent Oral Polio Vaccine (bOPV). The activity could not be implemented in three districts of Balochistan (Quetta, Zhob and Sherani) due to late implementation of March 2015 NIDs. Mansehra district in Khyber Pakhtunkhwa and Orakzai agency in FATA could also not conducted the April SNIDs due to security concerns. Eleven districts of interior Sindh and four districts of Balochistan started the campaign in the second week of April, while 15 towns of Karachi, all eight planned districts of Punjab, FATA except Orakzai agency started the activity in the third week of April. The vaccination activity was delayed until fourth week of April in Lakki Marwat, Swabi, Buner and Swat districts of Khyber Pakhtunkhwa for better preparation.

Province	Total target population for the campaign	Total target population for reporting districts	Reported Coverage			Children still unvaccinated from recorded unvaccinated					
			Children vaccinated (n)	% Children vaccinated among total target population	% Children vaccinated among target of reporting districts	Not Available		Refusal		Total	
						N	%	N	%	N	%
BALUCHISTAN	1,175,594	601,669	546,556	46.49	90.84	6,792	1.13	3,604	0.60	10,396	1.73
FATA	1,141,863	1,075,595	767,401	67.21	71.35	15,754	1.46	818	0.08	16,572	1.54
ISLAMABAD	117,627	117,627	121,213	103.05	103.05	2,094	1.78	181	0.15	2,275	1.93
KPK	1,694,597	1,672,568	1,689,993	99.73	101.04	27,644	1.65	8,421	0.50	36,065	2.16
PUNJAB	5,855,293	5,855,293	6,231,309	106.42	106.42	68,125	1.16	536	0.01	68,661	1.17
SINDH	4,073,251	4,073,251	4,058,621	99.64	99.64	37,789	0.93	5,016	0.12	42,805	1.05
TOTAL	14,058,225	13,396,003	13,415,093	95.43	100.14	158,198	1.18	18,576	0.14	176,774	1.32

A total of 251 lots were assessed through Lot Quality Assurance Sampling (LQAS) after the April 2015 SNIDs; of which 166 (66.1%) were of passed quality. Fifty-eight (23.1%) Lots were of intermediate quality from 26 districts/ towns/ tribal agencies/ areas including three districts of Baluchistan, nine of Sindh, five districts of Punjab, six of Khyber Pakhtunkhwa, one of Islamabad and two of areas of FATA. Out of 27 Lots that were of failed quality; 11 (40.7%) were from Khyber Pakhtunkhwa including seven from Peshawar district and one each from Dir upper, Mardan, Nowshera and Swabi districts. Other districts, where the Lots were failed includes four (14.8%) Killa Abdullah district in Balochistan; two each from Rawalpindi and Rajanpur districts in Punjab; two from CDA and one from ICT in Islamabad; four from Karachi district (one each from Karachi North, Gadap, Liaquat and Orangi towns) and one from Jacobabad district in Sindh.

National and provincial level results of Spot survey found 90% or more children finger marked except for FATA (86%). Districts/ towns/ agencies/ areas with sub optimal performance includes Khyber agency (73%), FR Kohat (79%), Mohmand agency (83%), South Waziristan agency (86%), FR Peshawar (87%) and FR DI Khan (89%) in FATA; Korangi town (81%), North Nazimabad town (84%), Orangi town (88%), Site town (89%) and North Karachi town (89%) in Karachi, Sindh; districts Peshawar and Tank (89%) in Khyber Pakhtunkhwa and district Nasirabad (89%) in Balochistan.

Province	Lot Quality Assurance Sampling (LQAS)				% Children found vaccinated during Spot Survey
	Lots Assessed (Sample size per lot = 60 children)	Passed (0-3 unvaccinated children)	Intermediate (4-8 unvaccinated children)	Failed (≥9 unvaccinated children)	
BALUCHISTAN	28	6 (21.4%)	18 (64.3%)	4 (14.3%)	90
FATA	10	8 (80%)	2 (20%)	0 (0.0%)	86
ISLAMABAD	8	2 (25%)	3 (37.5%)	3 (37.5%)	93
KPK	64	44 (68.7%)	9 (14%)	11 (17.2%)	96
PUNJAB	82	68 (82.9%)	10 (12.2%)	4 (4.9%)	97
SINDH	59	38 (64.4%)	16 (27.1%)	5 (8.5%)	94
TOTAL	251	166 (66.1%)	58 (23.1%)	27 (10.7%)	95

Global Update (as of 30th April, 2015)

23 wild polio cases have been reported in 2015, all from endemic countries (Pakistan-22 and Afghanistan-01)

For details, please visit: www.polioeradication.org

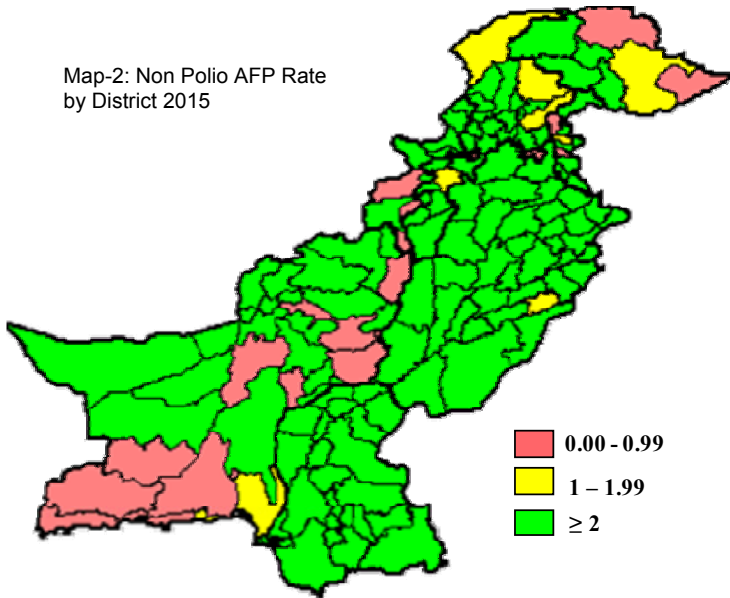
Key AFP Surveillance Indicators 2015

Overall AFP surveillance indicators in 2015 so far are above the international standards at the national level as well as in major provinces and majority of districts, towns and tribal agencies (data on pages 3-8).

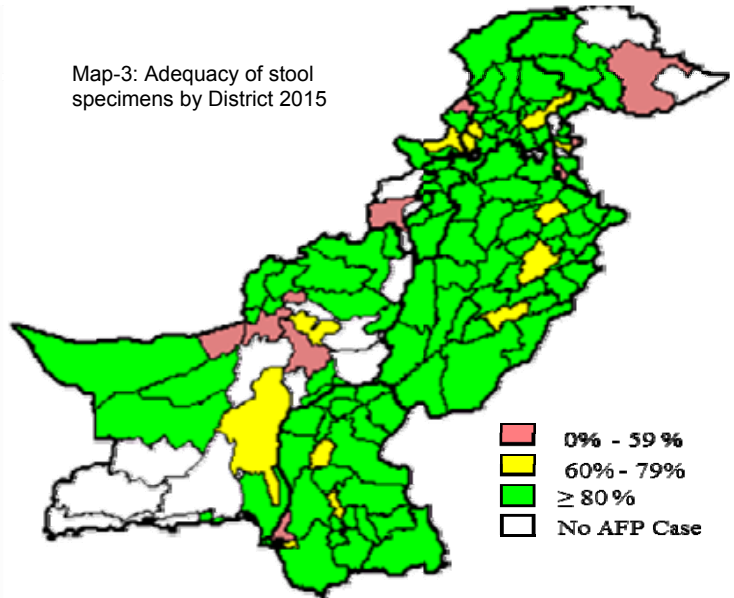
At the national level the annualized non polio AFP rate for 2015 is 3.73 per 100,000 children below 15 years of age. All provinces and regions except Gilgit Baltistan and Islamabad have the required rate of 2 or above. The indicator is also above the international standards in 88.3% (110/163) of the districts/towns/agencies (map-2). Majority of districts with sub-optimal non-polio AFP rate have small populations and hence low number of expected AFP cases. However, Jamshed, Liaqatabad, North Nazimabad and Site towns of Karachi and Tharparkar district in Sindh, Dir upper, Dir lower, Haripur, Karak, Mansehra, Nowshera and Swat in Khyber Pakhtunkhwa, Bahawalpur, Chiniot, Faisalabad, Khushab, Pakpattan and Toba Tek Singh in Punjab, Bajour and Kurram agencies in FATA, Quetta in Balochistan, Muzaffarabad in AJK and CDA in Islamabad have significant number of expected cases. Eighty two percent of the districts/towns/agencies (109/133) which reported AFP cases had adequate stool specimen collection rate above the international standard of 80%.

All the districts/ towns/ agencies/ areas with sub-optimal surveillance indicators especially those which have persistent low indicators need to review their AFP surveillance system for the causes of low performance and take corrective actions accordingly. Actions to improve the situation and maintaining the status in well performing districts should be part of the district specific plan and should be regularly reviewed.

Map-2: Non Polio AFP Rate by District 2015



Map-3: Adequacy of stool specimens by District 2015



Province-wise AFP Surveillance Data for 2014 & 2015

Province/Region	AFP Surveillance Data 2014						AFP Surveillance Data 2015 [§]									
	Minimum Expected AFP* Cases (Annual)*	Total Reported AFP Cases	Wild Polio Cases	Indicators			Minimum Expected AFP* Cases (Annual)*	Total Reported AFP Cases	Wild Polio virus Cases	Indicators			Zero Reporting [‡]			Active Surveillance (%) [†] ‡ ¥
				Non-Polio AFP Rate	Cases with Adequate Specimens (%) [†]	60 Day Follow Up (%) [†]				Non-Polio AFP Rate**	Cases with Adequate Specimens (%) [†]	60 Day Follow Up (%) [†]	No. Zero Reporting Sites	Completeness (%) [†] ‡ ¥	Timeliness (%) [†] ‡ ¥	
PUNJAB	857	2466	4	5.74	92	100	857	431	0	3.53	93	90	2010	97	92	95
SINDH	366	1026	30	5.44	90	100	366	232	4	5.32	95	73	1507	91	89	96
FATA	35	470	179	13.60	82	99	35	26	6	3.57	81	0	231	84	80	81
BALUCHISTAN	77	231	25	5.33	89	99	77	46	3	3.91	85	17	563	91	70	95
AJK	34	46	0	2.72	89	100	34	12	0	2.49	67	100	124	100	100	100
ISLAMABAD	13	14	0	2.17	86	0	13	0	0	0.00	-	-	42	***	***	***
GBALTISTAN	15	10	0	1.38	80	90	15	1	0	0.48	100	0	42	100	100	100
KHYBER PAKH-TUNKHWA	214	1072	68	9.29	81	92	214	131	8	4.03	87	15	1212	48	52	77
TOTAL	1611	5335	306	6.17	88	98	1611	879	21	3.73	91	65	5731	87%	83%	92%

* 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. 14 ended on 11 April 2015 *** Data not Available † Zero reports and active surveillance averaged for last 4 weeks ‡ Target ≥80% ○ Indicator below target § Population data source: Federal EPI ¥ For received reports only

FEEDBACK

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DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - PUNJAB

District	AFP Surveillance Data 2014						AFP Surveillance Data 2015 ⁴									
	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 (%)†				Non-Polio AFP Rate**	Cases with Ade-quate Specimens	60 Day Follow Up (%)†	Number of Sites	Completeness (%) ‡‡‡	Timeliness (%)†‡‡	
ATTOCK	14	41	0	5.81	95	67	14	9	0	4.48	100	50	77	100	96	100
BAHAWALPUR	30	72	0	4.84	100	100	30	6	0	1.42	100	100	73	100	93	100
BAHWLNAGAR	23	72	0	6.18	93	84	23	14	0	4.22	93	100	90	100	96	100
BHAKKAR	12	37	1	5.84	100	97	12	9	0	5.13	100	100	14	100	100	77
CHAKWAL	12	36	1	6.00	100	97	12	6	0	3.61	100	100	18	100	100	100
CHINIOT	11	33	0	6.24	97	67	11	2	0	1.33	100	0	12	100	95	100
DGKHAN	21	140	1	13.48	91	95	21	21	0	7.15	100	100	56	100	81	100
FAISALABAD	62	126	0	4.06	83	92	62	17	0	1.92	71	100	37	100	100	82
GUJRANWALA	40	122	0	6.03	89	73	40	28	0	4.86	96	100	47	100	88	100
GUJRAT	23	65	0	5.74	94	82	23	17	0	5.28	94	100	118	100	65	68
HAFIZABAD	9	38	0	8.20	95	63	9	9	0	6.82	89	100	54	100	87	100
JHANG	21	40	0	3.90	88	97	21	9	0	3.08	78	100	20	100	88	100
JHELUM	10	38	0	7.45	97	100	10	11	0	7.58	100	100	72	100	100	100
KASUR	28	63	0	4.57	95	95	28	11	0	2.80	100	67	82	90	100	100
KHANEWAL	23	71	0	6.05	89	100	23	15	0	4.49	93	100	30	100	82	100
KHUSHAB	10	16	0	3.26	94	81	10	2	0	1.43	100	100	16	100	100	100
LAHORE	81	164	0	4.04	91	99	81	27	0	2.35	96	78	42	100	93	71
LAYYAH	14	62	0	9.03	95	85	14	9	0	4.60	100	100	37	100	100	100
LODHRAN	14	42	0	6.10	100	89	14	6	0	3.06	83	25	44	100	84	100
MBDIN	12	38	0	6.17	97	86	12	6	0	3.42	67	0	61	100	100	100
MIANWALI	12	45	0	7.59	98	91	12	10	0	5.92	90	0	17	88	83	94
MULTAN	37	112	0	6.13	89	97	37	23	0	4.42	100	100	46	100	95	100
MUZFARGARH	33	148	0	8.87	87	75	33	24	0	5.05	100	0	48	86	100	100
NANKANASAHIB	15	34	0	4.57	94	53	15	6	0	2.83	100	0	29	100	96	100
NAROWAL	14	34	0	5.01	97	53	14	13	0	6.73	92	100	84	100	43	100
OKARA	25	83	0	6.57	90	96	25	9	0	2.50	89	100	39	88	100	100
PAKPATTEN	15	24	0	3.26	71	46	15	2	0	0.95	100	0	50	100	100	100
RAJANPUR	14	93	0	13.49	88	89	14	14	0	7.13	93	100	39	52	51	94
RAWALPINDI	40	71	0	3.59	87	89	40	19	0	3.37	84	100	120	100	93	94
RYKHAN	39	123	0	6.33	95	97	39	16	0	2.89	100	100	80	98	100	100
SAHIWAL	20	35	0	3.46	91	46	20	9	0	3.13	89	0	39	90	100	100
SARGODHA	29	76	0	5.31	93	83	29	11	0	2.70	91	100	159	100	100	100
SHEIKUPURA	24	66	1	5.43	92	79	24	12	0	3.52	92	100	89	100	96	100
SIALKOT	31	69	0	4.46	97	28	31	11	0	2.50	91	100	131	100	92	58
TTSINGH	18	44	0	4.97	89	93	18	5	0	1.98	80	100	14	99	100	100
VEHARI	24	59	0	4.83	90	95	24	13	0	3.74	85	100	26	100	100	100
PUNJAB	857	2432	4	5.66	92	85	857	431	0	3.53	93	90	2010	97%	92%	95%

4

* 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. 14 ended on 11 April 2015
 *** Data not Available
 † Zero reports and active surveillance averaged for last 4 weeks
 ‡ Target ≥80% ○ Indicator below target \$ Population data source: Federal EPI ¥ For received reports only

DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - SINDH

Town/District	AFP Surveillance Data 2014						AFP Surveillance Data 2015 ⁵										Active Surveillance (%) † ± ¥
	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 ‡				
				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 (%) † ± ¥		
Town Wise Summary — Karachi																	
BALDIA	6	10	1	2.89	80	100	6	2	0	2.25	100	0	20	100	100	***	
BINQASIM	5	12	2	4.05	83	100	5	3	0	4.27	67	0	22	***	***	***	
GADAP	4	41	10	13.60	76	95	4	4	0	6.37	50	100	12	***	***	***	
GULSHAN-E-IQBAL	9	11	0	2.57	91	100	9	5	0	4.10	100	100	20	100	100	***	
GULBERG	6	6	0	2.16	100	100	6	2	0	2.53	100	0	14	100	100	100	
JAMSHEED	9	10	0	2.19	70	100	9	1	0	0.77	100	0	18	***	***	***	
KAMARI	6	6	0	2.00	83	100	6	4	0	4.68	100	100	11	100	100	100	
KORANGI	8	8	2	1.57	75	71	8	3	0	2.75	67	0	13	100	100	82	
LANDHI	10	16	2	2.94	88	69	10	4	0	2.95	100	0	22	***	***	***	
LAYARI	7	6	0	1.84	83	100	7	2	0	2.16	100	0	15	***	***	***	
LIAQATABAD	8	12	1	2.77	100	92	8	1	0	0.88	100	0	17	***	***	***	
MALIR	6	8	0	2.58	88	100	6	4	0	4.53	100	100	13	***	***	***	
N NAZIMABAD	6	8	0	2.63	75	100	6	1	0	1.16	100	0	14	***	***	***	
NORTH KARACHI	8	9	1	1.91	89	100	8	3	0	2.51	100	0	16	100	100	***	
ORANGI	11	12	2	1.80	92	83	11	5	0	3.16	100	100	21	100	100	100	
SADDAR	10	6	0	1.26	83	100	10	3	0	2.20	67	0	21	100	100	97	
SHAHFAISAL	5	7	0	2.70	100	100	5	3	0	4.06	100	100	11	100	100	100	
SITE	7	17	2	4.18	76	81	7	1	0	0.98	0	0	16	100	100	***	
District Wise Summary— Sindh																	
KARACHI	130	205	23	2.78	83	92	130	51	0	2.75	88	69	296	100	100	96	
BADIN	13	53	1	8.23	98	100	13	10	0	5.56	100	100	54	100	100	98	
DADU	13	45	1	6.83	98	100	13	12	2	5.45	100	100	64	***	***	***	
GHOTKI	12	58	0	9.56	97	100	12	8	0	4.63	100	100	50	***	***	***	
HYDERABAD	16	46	0	5.69	87	100	16	10	0	4.35	90	100	30	63	62	***	
JACOBABAD	8	41	0	10.20	98	100	8	9	0	7.86	100	0	45	***	***	***	
JAMSHORO	7	19	0	5.61	89	100	7	2	0	2.07	100	0	37	***	***	***	
KAMBAR	11	27	0	4.74	67	96	11	5	1	2.47	100	0	52	***	***	***	
KASHMORE	7	26	0	7.02	88	96	7	7	0	6.64	100	0	39	***	***	***	
KHAIRPUR	18	64	0	7.06	95	98	18	22	0	8.52	95	100	102	***	***	***	
LARKANA	12	26	1	4.05	100	100	12	9	0	5.12	100	0	52	92	92	100	
MATIARI	5	14	0	5.24	93	100	5	7	0	9.20	71	0	40	100	89	95	
MIRPURKHAS	11	69	0	13.04	97	100	11	15	0	9.96	100	100	104	***	***	***	
NFEROZ	11	29	1	5.00	93	100	11	7	0	4.39	71	100	60	***	***	***	
SANGHAR	17	38	2	4.21	74	100	17	6	0	2.47	100	100	55	***	***	99	
SBENAZIRABAD	11	15	0	2.71	100	100	11	6	0	3.81	83	0	61	***	***	***	
SHIKARPUR	10	45	1	8.93	98	100	10	14	0	9.97	93	100	54	***	***	***	
SUKKUR	11	27	0	4.97	89	92	11	6	1	3.23	83	0	70	***	***	***	
T.ALLAHYAR	5	26	0	9.75	96	100	5	3	0	3.95	100	0	34	***	***	***	
THARPARKAR	11	32	0	5.69	88	97	11	3	0	1.87	100	100	98	82	82	92	
THATTA	12	52	0	8.40	92	100	12	9	0	5.11	100	0	58	92	84	91	
TMKHAN	4	26	0	11.77	92	100	4	5	0	7.95	100	0	12	100	100	100	
UMERKOT	8	38	0	9.15	92	100	8	6	0	5.07	100	100	40	***	***	***	
SINDH	366	1021	30	6.87	93	99	366	232	4	5.32	94	73	1507	91%	89%	96%	

* 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. 14 ended on 11 April 2015 *** Data not Available ‡ Zero reports and active surveillance averaged for last 4 weeks † Target ≥80% O Indicator below target \$ Population data source: Federal EPI ¥ For received reports only

DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - KHYBER PAKHTUNKHWA & FATA

District /Agency	AFP Surveillance Data 2014						AFP Surveillance Data 2015 [§]									Active Surveillance (%)† ± ‡	
	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‡				
				Non-Polio AFP Rate **	Cases with Ade- quate Speci- ficate	60 Day Follow Up (%) †				Non-Polio AFP Rate **	Cases with Ade- quate Speci- ficate	60 Day Follow Up (%) †	Number of Sites	Completeness (%) † ‡ †	Timeliness (%) † ‡		
District Wise Summary — Khyber-Pakhtunkhwa																	
ABOTABAD	9	47	0	10.06	85	96	9	4	0	3.01	100	0	93	21	0	73	
BANNU	8	57	11	10.93	79	94	8	8	0	6.98	100	0	43	0	0	92	
BATAGRAM	3	17	0	12.08	71	88	3	2	0	4.99	100	0	31	75	75	100	
BUNIR	7	39	3	10.57	92	97	7	10	0	10.31	90	33	42	75	75	83	
CHARSADA	12	51	1	8.14	75	46	12	6	0	3.43	67	0	49	***	***	***	
CHITRAL	4	13	0	7.08	85	85	4	0	0	0.00	-	-	27	100	100	***	
DIKHAN	11	40	0	7.47	85	81	11	10	0	6.56	80	0	54	50	50	***	
DIRLOWER	9	40	0	8.71	93	88	9	2	0	1.53	100	0	62	25	75	***	
DIRUPPER	7	12	0	3.52	83	75	7	0	0	0.00	-	-	30	0	0	89	
HANGU	4	11	0	5.57	55	73	4	1	0	1.78	100	0	23	97	97	35	
HARIPUR	8	31	0	8.08	81	94	8	0	0	0.00	-	-	66	25	25	63	
KARAK	5	32	1	11.46	75	63	5	1	0	1.30	100	0	28	***	***	***	
KOHAT	7	43	1	11.90	91	78	7	3	0	2.98	100	0	40	73	68	54	
KOHISTAN	4	10	0	4.90	90	89	4	1	0	1.72	100	0	31	75	75	60	
LAKKIMRWT	6	46	3	13.81	78	98	6	10	1	10.39	80	0	57	13	13	93	
MALAKAND	6	19	0	6.61	95	78	6	2	0	2.44	100	0	46	31	100	93	
MANSEHRA	11	48	0	8.91	85	100	11	1	0	0.65	100	0	69	50	50	56	
MARDAN	18	127	5	13.70	90	100	18	15	0	5.91	93	100	77	75	66	89	
NOWSHERA	11	48	4	8.16	75	87	11	3	1	1.33	100	0	47	99	89	42	
PESHAWAR	26	161	29	9.90	74	89	26	23	4	5.08	74	67	124	84	84	100	
SHANGLA	5	17	0	6.22	82	69	5	3	0	3.86	100	0	35	100	100	97	
SWABI	12	54	0	8.67	89	100	12	15	0	8.46	100	0	63	***	***	78	
SWAT	16	41	2	4.87	83	89	16	4	0	1.76	75	0	48	88	100	85	
TANK	3	34	7	18.32	76	61	3	6	2	9.53	67	0	27	50	50	***	
TORGHAR	2	6	1	4.31	67	100	2	1	0	3.03	100	0	***	***	***	85	
K- PAKHTUNKHWA	214	1044	68	9.05	82	87	214	131	8	4.03	87	15	1212	48%	52%	77%	
Agency Wise Summary — FATA																	
BAJOUR	7	30	0	8.06	77	97	7	2	0	1.89	50	0	28	61	61	38	
FR Bannu	0	32	9	63.00	81	97	0	5	0	92.18	80	0	***	88	88	100	
FR DIKhan	1	3	0	10.91	100	***	1	0	0	0.00	-	-	***	100	100	88	
FR Kohat	0	5	0	21.88	100	60	0	0	0	0.00	-	-	***	100	88	100	
FR Lakki	0	3	0	46.23	67	100	0	1	0	54.11	100	0	***	88	88	100	
FR Peshawar	1	4	0	11.57	100	75	1	0	0	0.00	-	-	***	100	84	***	
FR Tank	0	4	0	20.02	50	75	0	0	0	0.00	-	-	***	100	100	63	
KHYBER	7	157	76	21.15	80	69	7	11	5	4.30	82	0	72	57	57	55	
KURRAM	5	7	0	3.08	71	86	5	1	0	1.54	100	0	30	95	95	***	
MOHMAND	4	18	0	8.61	67	94	4	1	0	1.68	100	0	26	100	92	97	
ORAKZAI	2	6	0	5.07	67	100	2	1	0	2.97	100	0	33	100	90	100	
WAZIR-N	4	144	70	28.93	88	99	4	0	0	0.00	-	-	24	***	***	***	
WAZIR-S	4	51	24	13.13	90	92	4	4	1	5.12	75	0	18	100	100	69	
FATA	6	35	464	179	13.60	83	87	35	26	6	3.57	80	0.00	231	84%	80%	81%

* 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. 14 ended on 11 April 2015 *** Data not Available ‡ Zero reports and active surveillance averaged for last 4 weeks † Target ≥80% O Indicator below target § Population data source: Federal EPI ¥ For received reports only

DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - BALOCHISTAN / GILGIT BALTISTAN

District	AFP Surveillance Data 2014						AFP Surveillance Data 2015 [§]										
	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 (%)†				Non-Polio AFP Rate**	Cases with Ade-quate Specimens (%)†	60 Day Follow Up (%)†	Number of Sites	Completeness (%) † † ‡	Timeliness (%)† † ‡		
District Wise Summary — Balochistan																	
AWARAN	1	1	0	1.89	100	100	1	0	0	0.00	-	-	12	***	***	***	
BARKHAN	1	6	0	9.40	50	67	1	2	0	11.00	100	0	9	***	***	***	
BOLAN	3	3	0	2.12	67	100	3	1	0	2.48	0	0	23	***	***	***	
CHAGHAI	1	3	1	3.50	100	100	1	1	0	6.15	100	0	19	***	***	***	
DBUGTI	2	2	0	1.74	0	100	2	0	0	0.00	-	-	9	***	***	***	
GWADUR	2	4	0	3.54	100	100	2	0	0	0.00	-	-	11	***	***	***	
HARNAI	1	1	0	2.08	100	100	1	0	0	0.00	-	-	10	***	***	***	
JAFARABAD	5	36	1	13.38	94	100	5	4	0	5.37	100	0	38	100	67	75	
JHALMAGSI	1	3	0	4.55	100	100	1	0	0	0.00	-	-	21	100	63	100	
KABDULAH	5	39	13	9.72	87	97	5	7	1	7.88	100	0	26	75	75	80	
KALAT	2	3	0	2.69	67	100	2	0	0	0.00	-	-	15	***	***	***	
KECH	4	9	0	4.79	89	78	4	0	0	0.00	-	-	19	***	***	***	
KHARAN	1	2	0	3.76	100	100	1	1	0	6.59	100	0	6	***	***	***	
KHUZDAR	5	7	1	2.51	57	80	5	3	0	4.41	67	0	31	***	***	***	
KOHLU	1	0	0	0.00	-	-	1	0	0	0.00	-	-	6	***	***	***	
KSAIFULAH	2	5	1	4.00	100	100	2	1	0	3.51	100	0	14	91	78	100	
LASBELA	4	6	0	3.13	83	100	4	1	0	1.83	100	0	40	***	***	100	
LORALAI	2	4	0	3.62	100	100	2	2	1	3.18	100	0	19	89	81	100	
MASTUNG	2	3	0	3.64	67	100	2	1	0	4.26	100	0	18	***	***	***	
MUSAKHEL	2	1	0	1.33	0	100	2	0	0	0.00	-	-	10	***	***	***	
NOSHKI	1	1	0	2.19	100	100	1	3	0	23.04	33	0	13	***	***	***	
NSIRABAD	3	27	1	15.69	96	100	3	4	0	8.47	100	100	28	93	57	100	
PANJGOUR	3	1	0	0.77	100	100	3	0	0	0.00	-	-	13	***	***	***	
PISHIN	5	17	1	6.75	100	100	5	2	0	2.96	100	0	33	***	***	100	
QUETTA	11	25	5	3.74	96	100	11	4	1	1.97	100	100	62	***	***	100	
SHERANI	1	1	0	2.30	100	100	1	1	0	8.07	100	0	4	***	***	***	
SIBI	2	9	0	10.25	89	100	2	5	0	19.99	60	0	20	***	***	***	
WASHUK	1	4	0	7.37	75	100	1	0	0	0.00	-	-	9	***	***	***	
ZHOB	2	7	1	4.96	100	86	2	1	0	2.90	100	0	15	***	***	***	
ZIARAT	1	0	0	0.00	-	-	1	2	0	12.70	50	0	10	***	***	***	
BALOCHISTAN	77	230	25	5.30	89	97	77	46	3	4	85	17	563	91%	70%	95%	
District Wise Summary — Gilgit-Baltistan																	
ASTORE	1	0	0	0.00	-	-	1	0	0	0.00	-	-	5	100	100	100	
DIAMIR	3	2	0	1.38	100	100	3	0	0	0.00	-	-	5	100	100	100	
GHANCHE	1	0	0	0.00	-	-	1	0	0	0.00	-	-	7	100	100	100	
GHIZER	2	3	0	3.27	67	100	2	0	0	0.00	-	-	7	100	100	100	
GILGIT	2	1	0	0.94	100	100	2	1	0	3.30	100	0	12	100	100	100	
HUNZANAGAR	1	1	0	1.33	100	100	1	0	0	0.00	-	-	***	100	100	100	
SKARDU	4	2	0	1.13	100	100	4	0	0	0.00	-	-	6	100	100	100	
G-BALTISTAN ⁷	15	9	0	1.24	89	100	15	1	0	0.48	100	0.00	42	100%	100%	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. 14 ended on 11 April 2015 *** Data not Available † Zero reports and active surveillance averaged for last 4 weeks ‡ Target ≥80% O Indicator below target \$ Population data source: Federal EPI ¥ For received reports only

SUMMARY OF CONTROL / OPERATIONS ROOM DATA - PUNJAB - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
ATTOCK	256,909	264,565	103	25,963	44	26,007	16	1	17
BAHAWALPUR	587,540	594,787	101	57,230	10	57,240	14	0	14
BAHWLNAGAR	465,025	490,073	105	41,153	20	41,173	928	0	928
BHAKKAR	255,133	270,131	106	21,797	44	21,841	14	18	32
CHAKWAL	188,640	193,093	102	13,523	5	13,528	0	0	0
CHINIOT	236,478	254,834	108	27,579	1	27,580	46	0	46
DGKHAN	516,905	580,799	112	48,268	52	48,320	21	4	25
FAISALABAD	1,295,161	1,343,552	104	145,025	42	145,067	1,752	0	1,752
GUJRANWALA	849,518	906,488	107	115,751	33	115,784	218	0	218
GUJRAT	416,256	431,401	104	38,054	17	38,071	7	0	7
HAFIZABAD	195,890	205,201	105	24,444	32	24,476	683	24	707
JHANG	436,944	458,864	105	40,413	9	40,422	77	0	77
JHELUM	168,273	178,619	106	11,827	0	11,827	0	0	0
KASUR	542,736	585,026	108	43,539	9	43,548	103	0	103
KHANEWAL	475,993	499,068	105	44,425	23	44,448	16	0	16
KHUSHAB	183,178	184,886	101	12,923	0	12,923	0	0	0
LAHORE	1,588,002	1,683,100	106	189,383	525	189,908	1,834	0	1,834
LAYYAH	275,956	314,930	114	24,930	4	24,934	74	0	74
LODHRAN	288,795	301,386	104	31,780	14	31,794	465	0	465
MBDIN	241,948	254,513	105	19,568	0	19,568	5	0	5
MIANWALI	232,261	243,573	105	22,349	89	22,438	0	40	40
MULTAN	796,472	835,868	105	118,405	154	118,559	2,883	32	2,915
MUZFARGARH	775,001	819,661	106	81,972	19	81,991	679	0	679
NANKANASAHIB	228,649	242,536	106	29,345	5	29,350	0	0	0
NAROWAL	291,824	320,736	110	37,319	2	37,321	186	0	186
OKARA	530,628	557,051	105	66,920	39	66,959	762	0	762
PAKPATTEN	295,261	318,691	108	35,361	14	35,375	373	4	377
RAJANPUR	356,490	384,703	108	27,752	7	27,759	22	0	22
RAWALPINDI	750,973	797,511	106	76,200	1,320	77,520	4,327	396	4,723
RYKHAN	839,189	893,775	107	91,315	38	91,353	4,879	1	4,880
SAHIWAL	412,845	434,244	105	49,468	0	49,468	0	0	0
SARGODHA	562,154	583,417	104	38,524	16	38,540	27	0	27
SHEIKUPURA	558,884	586,068	105	44,591	1	44,592	698	0	698
SIALKOT	622,058	676,862	109	71,167	44	71,211	686	0	686
TTSINGH	357,640	384,976	108	42,111	5	42,116	111	0	111
VEHARI	499,722	528,352	106	51,920	13	51,933	27	0	27
PUNJAB ⁹	17,575,331	18,603,340	106	1,862,294	2,650	1,864,944	21,933	520	22,453

SUMMARY OF CONTROL / OPERATIONS ROOM DATA - KPK - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
ABOTABAD	198,281	199,623	101	17,331	83	17,414	3,374	27	3,401
BANNU	155,076	177,555	114	15,186	7,810	22,996	549	2,155	2,704
BATAGRAM	81,554	85,267	105	6,993	114	7,107	388	0	388
BUNER	184,300	192,058	104	17,627	10	17,637	1,569	0	1,569
CHARSADA	273,848	263,862	96	24,550	2,513	27,063	1,940	462	2,402
CHITRAL	69,940	37,637	54	2,378	0	2,378	786	0	786
DIKHAN	269,775	295,948	110	31,580	903	32,483	4,878	175	5,053
DIRLOWER	265,149	279,439	105	28,589	23	28,612	2,748	0	2,748
DIRUPPER	184,989	192,168	104	11,906	5	11,911	1,263	2	1,265
HANGU	115,850	115,259	99	9,282	474	9,756	1,772	141	1,913
HARIPUR	186,285	185,620	100	10,454	78	10,532	1,508	30	1,538
KARAK	118,570	127,442	107	10,728	594	11,322	1,389	213	1,602
KOHAT	195,686	185,944	95	16,581	689	17,270	1,319	6	1,325
KOHISTAN	78,456	81,491	104	2,865	22	2,887	11	0	11
LAKKIMRWT	153,372	169,242	110	18,489	4,168	22,657	788	440	1,228
MALAKAND	118,112	124,972	106	13,535	103	13,638	1,857	1	1,858
MANSEHRA	282,153	166,420	59	19,075	44	19,119	15,224	35	15,259
MARDAN	360,990	372,449	103	32,732	1,314	34,046	786	167	953
NOWSHERA	272,815	262,975	96	27,536	2,826	30,362	3,494	1,200	4,694
PESHAWAR	754,383	714,283	95	56,539	15,041	71,580	10,642	6,241	16,883
SHANGLA	149,081	164,016	110	8,768	0	8,768	802	0	802
SWABI	258,432	247,144	96	22,137	5,084	27,221	3,275	4,008	7,283
SWAT	410,830	430,494	105	35,166	24	35,190	5,427	0	5,427
TANK	76,966	83,164	108	5,909	731	6,640	341	147	488
TORGHAR	39,948	36,849	92	1,397	15	1,412	292	1	293
KPK	5,254,841	5,191,321	99	447,333	42,668	490,001	66,422	15,451	81,873

SUMMARY OF CONTROL / OPERATIONS ROOM DATA - FATA - MARCH 2015 NIDs

BAJOUR	233,025	221,044	95	22,281	0	22,281	3,506	0	3,506
FR BANNU	44,009	52,821	120	3,352	387	3,739	478	107	585
FR DIKHAN	14,639	13,425	92	1,073	43	1,116	170	29	199
FR KOHAT	20,257	18,008	89	1,238	0	1,238	338	0	338
FR LAKKI	8,182	7,235	88	850	24	874	174	19	193
FR PESHAWAR	12,719	11,260	89	910	2	912	137	0	137
FR TANK	10,568	10,317	98	522	3	525	77	0	77
KHYBER	228,980	125,913	55	13,700	501	14,201	6,436	223	6,659
KURRAM	138,689	117,240	85	17,055	12	17,067	5,130	0	5,130
MOHMAND	87,445	83,748	96	7,070	17	7,087	5,712	0	5,712
ORAKZAI	65,918	33,635	51	1,381	3	1,384	213	0	213
WAZIR-N	162,177	13,504	8	0	0	0	0	0	0
WAZIR-S	118,156	78,170	66	2,269	671	2,940	776	475	1,251
FATA	1,144,764	786,320	69	71,701	1,663	73,364	23,147	853	24,000

SUMMARY OF CONTROL / OPERATIONS ROOM DATA - SINDH - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children ¹¹					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
BADIN	346,132	344,321	99	22,417	46	22,463	95	0	95
DADU	328,467	337,504	103	24,204	40	24,244	2,956	16	2,972
GHOTKI	344,806	348,884	101	34,462	105	34,567	2,533	7	2,540
HYDERABAD	311,793	313,039	100	35,669	1,880	37,549	8,244	1,333	9,577
JACOBABAD	226,903	231,366	102	18,904	436	19,340	3,021	106	3,127
JAMSHORO	192,021	195,565	102	16,197	501	16,698	1,089	129	1,218
KAMBAR	298,071	302,988	102	27,148	47	27,195	2,478	32	2,510
KASHMORE	233,012	222,811	96	14,090	7	14,097	335	7	342
KHAIRPUR	446,147	452,310	101	34,507	269	34,776	4,559	67	4,626
KHIBALDIA	101,577	97,226	96	6,833	1,546	8,379	1,010	574	1,584
KHIBINQASIM	116,638	116,765	100	4,883	875	5,758	822	638	1,460
KHIGADAP	70,127	69,977	100	3,745	358	4,103	997	230	1,227
KHIGIQBAL	164,190	154,076	94	9,168	2,216	11,384	349	589	938
KHIGULBERG	70,724	68,501	97	4,038	1,013	5,051	514	406	920
KHIJAMSHEED	137,878	133,727	97	5,057	1,847	6,904	1,398	1,009	2,407
KHIKAMARI	112,784	112,991	100	6,478	999	7,477	1,557	267	1,824
KHIKORANGI	144,926	142,564	98	6,843	1,234	8,077	184	35	219
KHILANDHI	162,551	157,618	97	8,968	872	9,840	1,458	402	1,860
KHILAYARI	91,789	92,216	100	6,367	471	6,838	452	306	758
KHILIAQAT	85,039	81,505	96	6,389	923	7,312	1,006	544	1,550
KHIMALIR	75,893	77,654	102	5,617	522	6,139	1,515	217	1,732
KHINNAZIM	71,434	68,167	95	4,914	2,238	7,152	1,024	1,387	2,411
KHINORTH	125,094	120,941	97	10,670	1,632	12,302	1,504	936	2,440
KHIORANGI	153,578	158,407	103	10,802	3,094	13,896	1,671	1,176	2,847
KHISADDAR	126,096	122,707	97	5,235	739	5,974	141	133	274
KHISHAHFAISAL	74,088	71,336	96	5,232	826	6,058	1,070	462	1,532
KHISITE	117,991	117,379	99	4,184	1,900	6,084	586	464	1,050
LARKANA	308,801	308,672	100	31,096	48	31,144	994	15	1,009
MATIARI	164,533	153,661	93	17,238	155	17,393	35	0	35
MIRPURKHAS	271,973	296,597	109	28,823	510	29,333	5,445	191	5,636
NFEROZ	290,356	294,969	102	28,009	0	28,009	331	0	331
SANGHAR	373,922	387,715	104	32,563	837	33,400	2,091	637	2,728
SBENAZIRABAD	331,685	339,025	102	24,699	255	24,954	107	4	111
SHIKARPUR	250,037	257,770	103	20,390	239	20,629	3,916	17	3,933
SUKKUR	283,328	287,494	101	21,980	56	22,036	3,264	7	3,271
T.ALLAHYAR	151,519	151,921	100	16,554	259	16,813	1,746	-3	1,743
THARPARKAR	217,659	210,654	97	11,854	16	11,870	729	0	729
THATTA	307,054	312,344	102	19,937	261	20,198	1,353	27	1,380
TMKHAN	125,676	126,464	101	9,190	157	9,347	532	8	540
UMERKOT	216,019	217,439	101	17,845	75	17,920	4,534	18	4,552
SINDH ¹¹	8,022,311	8,057,270	100	623,199	29,504	652,703	67,645	12,393	80,038

SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - BALOCHISTAN - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
AWARAN	30,655	25,052	82	676	0	676	62	0	62
BARKHAN	27,000	26,928	100	668	0	668	9	0	9
BOLAN	72,001	65,102	90	2,052	81	2,133	206	25	231
CHAGHAI	53,637	41,740	78	759	176	935	103	40	143
DBUGTI	45,003	42,460	94	635	54	689	1	-38	-37
GWADUR	42,889	43,393	101	1,732	0	1,732	184	0	184
HARNAI	22,501	20,230	90	963	10	973	17	6	23
JAFARABAD	190,000	183,426	97	14,580	43	14,623	1,598	14	1,612
JHALMAGSI	31,702	29,640	93	691	0	691	16	0	16
KABDULAH	143,001	133,512	93	6,336	7,471	13,807	1,788	2,326	4,114
KALAT	78,000	70,845	91	3,350	260	3,610	122	0	122
KECH	151,324	129,333	85	4,159	4	4,163	250	0	250
KHARAN	26,226	27,474	105	593	4	597	177	1	178
KHUZDAR	126,150	121,496	96	4,732	6	4,738	109	6	115
KOHLU	24,274	20,609	85	107	0	107	-63	0	-63
KSAIFULAH	68,781	61,668	90	311	375	686	56	90	146
LASBELA	106,001	105,194	99	4,542	146	4,688	459	57	516
LORALAI	78,031	67,330	86	2,901	330	3,231	1,369	155	1,524
MASTUNG	50,871	44,953	88	1,065	350	1,415	187	215	402
MUSAKHEL	28,854	27,913	97	154	4	158	58	4	62
NOSHKI	36,000	32,914	91	692	112	804	29	0	29
NSIRABAD	135,000	126,992	94	6,609	911	7,520	1,414	535	1,949
PANJGOUR	55,697	47,738	86	1,379	2	1,381	76	0	76
PISHIN	133,668	107,642	81	3,573	4,778	8,351	1,982	1,196	3,178
QUETTA	484,477	453,960	94	17,509	10,796	28,305	4,739	1,052	5,791
SHARANI	25,881	18,205	70	214	0	214	69	0	69
SIBI	42,667	39,892	93	1,924	26	1,950	333	6	339
WASHUK	23,135	22,958	99	168	0	168	-58	0	-58
ZHOB	63,567	48,183	76	1,004	1,148	2,152	320	306	626
ZIARAT	26,703	21,320	80	1,017	140	1,157	179	35	214
BALOCHISTAN	2,423,696	2,208,102	91	85,095	27,227	112,322	15,791	6,031	21,822

SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - AJK - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
BAGH	63,010	64,406	102	1,566	17	1,583	25	17	42
BHIMBER	72,472	74,332	103	3,057	2	3,059	27	2	29
HATTIAN	40,656	41,048	101	845	6	851	0	6	6
HAVELI	24,947	25,514	102	610	0	610	3	0	3
KOTLI	134,613	131,510	98	3,031	0	3,031	25	0	25
MIRPUR	75,666	79,146	105	4,398	2	4,400	111	2	113
MUZZAFFARABAD	111,848	115,056	103	1,565	5	1,570	2	4	6
NEELUM	31,386	21,233	68	227	0	227	0	0	0
POONCH	94,331	88,453	94	2,005	0	2,005	109	0	109
SUDNUTI	49,980	49,888	100	955	0	955	0	0	0
AJK	698,909	690,586	99	18,259	32	18,291	302	31	333

SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - G BALTISTAN - MARCH 2015 NIDs

ASTORE	17,071	14,847	87	215	0	215	0	0	0
DIAMIR	43,329	46,646	108	291	0	291	0	0	0
GHANCHE	17,623	17,788	101	420	0	420	0	0	0
GHIZER	27,092	27,800	103	657	0	657	0	0	0
GILGIT	40,371	44,456	110	1,265	0	1,265	0	0	0
HUNZANAGAR	17,752	15,454	87	784	0	784	0	0	0
SKARDU	51,114	51,959	102	1,004	0	1,004	0	0	0
G BALTISTAN	214,352	218,950	102	4,636	0	4,636	0	0	0

SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - ISLAMABAD - MARCH 2015 NIDs

CDA	130,269	122,264	94	9,429	331	9,760	2,643	165	2,808
ICT	130,992	128,869	98	9,727	108	9,835	2,817	79	2,896
ISLAMABAD	261,261	251,133	96	19,156	439	19,595	5,460	244	5,704

SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - PAKISTAN - MARCH 2015 NIDs

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children					
		Children vaccinated (n)	% Children vaccinated among total target population	Children recorded as unvaccinated			Children still unvaccinated from recorded unvaccinated		
				Not Available	Refusal	Total	Not Available	Refusal	Total
AJK	698,909	690,586	99	18,259	32	18,291	302	31	333
BALUCHISTAN	2,423,696	2,208,102	91	85,095	27,227	112,322	15,791	6,031	21,822
FATA	1,144,764	786,320	69	71,701	1,663	73,364	23,147	853	24,000
GBALTISTAN	214,352	218,950	102	4,636	0	4,636	0	0	0
ISLAMABAD	261,261	251,133	96	19,156	439	19,595	5,460	244	5,704
KP	5,254,841	5,191,321	99	447,333	42,668	490,001	66,422	15,451	81,873
PUNJAB	17,575,331	18,603,340	106	1,862,294	2,650	1,864,944	21,933	520	22,453
SINDH	8,022,311	8,057,270	100	623,199	29,504	652,703	67,645	12,393	80,038
PAKISTAN	35,595,465	36,007,022	101	3,131,673	104,183	3,235,856	200,700	35,523	236,223

MARCH 2015 NIDs

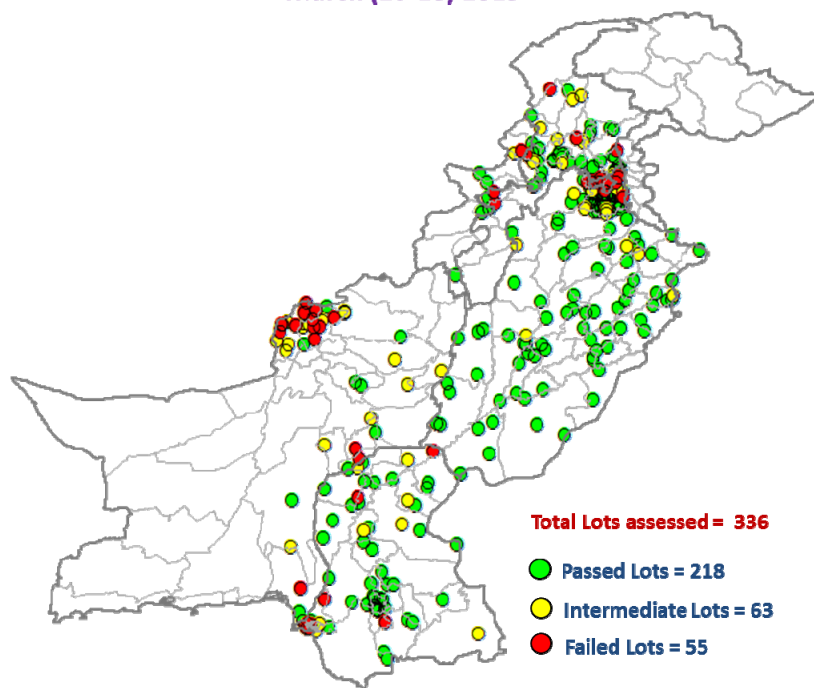
The third National Immunization Days (NIDs) of 2015 completed across the country targeting 35.5 million children using trivalent Oral Polio Vaccine (tOPV). Vitamin A supplementation was also given to children above 6 months of age. Vaccination activities completely/partially delayed due to heavy snow fall in three UCs of Neelum district in AJK; two UCs of Skardu and one UC of Astore districts in Gilgit Baltistan; and five UCs of Abbottabad, four UCs of Mansehra and 14 UCs of Chitral districts in Khyber Pakhtunkhwa. The campaign was also delayed in Quetta and Sherani districts in Balochistan, Karachi (nine UCs) in Sindh, Rawalpindi and Jhang districts in Punjab and Islamabad for better security arrangements; and Sukkur (eight UCs), Larkana (one UC), Kambar and Dadu districts in Sindh for better preparations.

Three polio workers and one security personnel were killed in armed attacks during the vaccination drive. Of these, two Lady Health Workers and one policeman were shot dead in district Mansehra in Khyber Pakhtunkhwa, whereas one polio worker was killed in Bajour agency in FATA. Vaccination activity was stopped in the above two areas following the incidents. It is important to mention that despite the unfortunate killing of vaccinators and security personnel, the NIDs continued in most of the areas of the country and more than 36 million (101%) children have been reportedly vaccinated.

A total of 336 lots were assessed through Lot Quality Assurance Sampling (LQAS) after the March NIDs; of which 218 (64.9%) were of passed quality. Sixty-three (18.7%) Lots were of intermediate quality from 37 districts/ towns/ tribal agencies/ areas including eight districts of Baluchistan, 12 of Sindh, seven districts each of Punjab and Khyber Pakhtunkhwa, two of Islamabad and one area of FATA. Out of 55 Lots that were of failed quality; 26 (47.3%) were from Balochistan including 11 in Quetta, eight in Killa Abdullah, four in Pishin and one each in Jafarabad, Nasirabad and Lasbela. Other districts, where the Lots were failed includes nine in Khyber Pakhtunkhwa (three in Peshawar and one each in Abbottabad, Buner, Charsada, Dir upper, Hangu and Karak districts), nine in Sindh (six in Karachi (Gadap, Gulberg, Jamshed, Layari, Orangi and Saddar towns) and one each in Kashmore, Larkana and Tando Muhammad Khan), six in Islamabad (three each in CDA and ICT), four in Punjab (Rawalpindi) and one in FATA (Mohmand agency).

Market Survey results showed sub optimal performance in Killa Abdullah (78%) and Killa Saifullah (89%) in Balochistan; Khyber (75%), FR Kohat (80%), Mohamand (84%), South Waziristan (85%) and FR Bannu (86%) in FATA; Peshawar (82%) and Dirupper (89%) in Khyber Pakhtunkhwa; Layari (50%), Korangi (82%), Jamshed (83%) Shah Faisal (87%) and Orangi (89%) in Karachi, Sindh; and CDA (88%) in Islamabad. The sub-optimal vaccination quality in critical districts/agencies of reservoir regions in FATA, Khyber Pakhtunkhwa, Quetta block (Quetta, Pishin, Killa Abdullah) and the high risk towns in Karachi is of serious concern. It is important to recall that the highest campaign quality is required in the polio reservoirs to stop the viral circulation. At the same time; to avert the risk of viral introduction and establishment in areas without polio cases and endemic poliovirus circulation, the campaign quality maintenance is of utmost importance.

Lot Quality Assurance Sampling (LQAS) March (16-18) 2015 *



Province	Lot Quality Assurance Sampling (LQAS)				% Children found vaccinated during Spot Survey
	Lots Assessed (Sample size per lot = 60 children)	Passed (0-3 unvaccinated children)	Intermediate (4-8 unvaccinated children)	Failed (≥9 unvaccinated children)	
AJK	LQAS not conducted				95
BALUCHISTAN	60	10 (16.6%)	24 (40%)	26 (43.3%)	90
FATA	8	6 (75%)	1 (12.5%)	1 (12.5%)	89
GBALTISTAN	LQAS not conducted				98
ISLAMABAD	12	1 (8.3%)	5 (41.6%)	6 (50%)	92
KPK	53	36 (67.9%)	8 (15.1%)	9 (17%)	94
PUNJAB	136	119 (87.5%)	13 (9.5%)	4 (2.9%)	98
SINDH	67	46 (68.6%)	12 (17.9%)	9 (13.4%)	92
TOTAL	336	218 (64.9%)	63 (18.7%)	55 (16.3%)	94