

## CURRENT EPIDEMIOLOGY OF POLIO IN PAKISTAN

As of 18<sup>th</sup> October 2014, 210 type-1 wild poliovirus (WPV) cases have been reported from 26 districts/ towns/ tribal agencies/ FR areas (compared to 62 in 2013 from 18 districts/ towns/ tribal agencies/ FR areas). Moreover, WPV-1 has also been isolated from 87 environmental samples in 2014 (out of 258 samples for which results are available) from Karachi (Gadap, Baldia and Gulshan-e-Iqbal towns), Hyderabad, Sukkur and Jacobabad in Sindh, Peshawar in Khyber Pakhtunkhwa, Lahore, Rawalpindi and Multan in Punjab and Quetta in Balochistan. Twenty two sabin-2 like poliovirus cases have been reported so far in 2014 including 19 from FATA (nine from North Waziristan agency, eight from FR Bannu and one each from Khyber and South Waziristan agencies) and three from Khyber Pakhtunkhwa (one each from Bannu, Lakki Marwat and Peshawar).

Following are the key epidemiological characteristics of polio cases reported in 2014 so far:

- 176 (83.8%) polio cases are younger than two years (median age: 16 months).
- Based on recall of parents, 135 (64.3%) cases did not receive any OPV dose (through routine vaccination and/or campaigns).

It is worth mentioning that, 86.3% (182/210) polio cases so far in 2014 have been reported together from Khyber Pakhtunkhwa 20.5% (43/210) and FATA 66.2% (139/210) indicating that these regions remain the key polio reservoirs in the country. North and South Waziristan agencies reported 40.9% (86/210) while Khyber agency alone reported 23.3% (49/210) of the total wild polio cases this year.

The situation in Karachi is extremely concerning where 18 out of 19 wild polio cases of Sindh province this year have been reported from eight towns. Moreover, all the three environmental sampling sites (Gadap, Gulshan-e-Iqbal and Baldia towns) have the continuous presence of wild poliovirus in sewage water samples. This situation in Karachi correlates with deteriorating quality of supplementary immunization activities (SIAs) in 2013 and in the first half of 2014. A wild poliovirus case from Sanghar district (genetically linked to Karachi) and positive environmental samples from Sukkur and Jacobabad districts in Sindh indicates the substantial immunity and surveillance gaps in Northern Sindh. Hyderabad district in Sindh also detected WPV-1 in the last six consecutive environmental samples since April 2014. Genetic analysis of the isolated virus indicates its linkage with the virus found in the environmental samples from Karachi.

Three polio cases have been reported so far in 2014 from Punjab. Furthermore, 17 out of 30 environmental samples collected since April this year from five sites of Lahore detected presence of WPV-1 which in turn indicates a very concerning situation. WPV-1 has also been detected in three recent environmental samples collected from two sites in Rawalpindi. However, no wild poliovirus has been detected from seven environmental samples collected from the capital territory of Islamabad so far since the establishment of this site on 21<sup>st</sup> March.

No positive environmental sample has been reported from Faisalabad this year so far, while Multan reported the presence of

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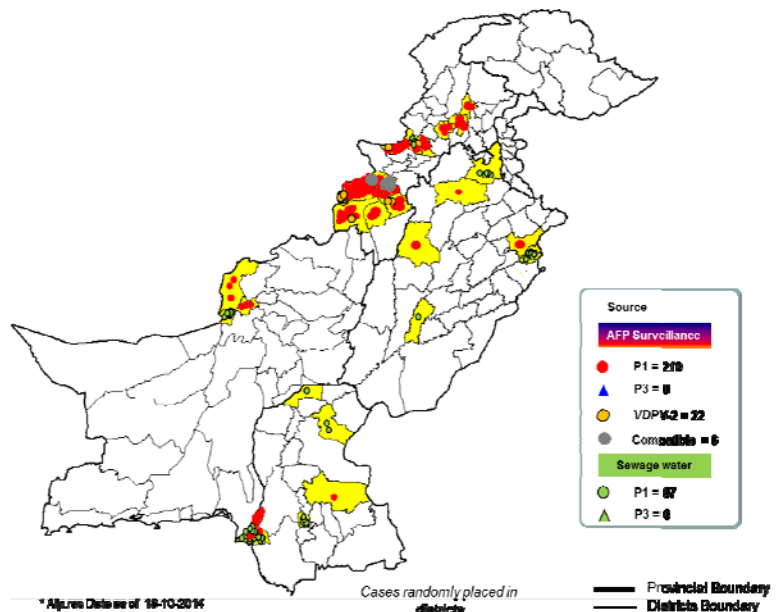
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WPV-1 in one environmental sample collected on 19 July this year.

Balochistan province did report six wild poliovirus cases in a short time after the interval of 23 months; three each from districts Quetta and Killa Abdullah. Furthermore, detection of WPV-1 in the last three of four environmental samples collected from the two sites in Quetta already turned the situation to utmost concern in Quetta Block.

In conclusion; Pakistan is reporting about 85% of the global polio cases in 2014 and this is the highest number of wild polio cases reported in any one year since 2000. The poliovirus circulation in the country can be seen over a wider geographically area (compared to the same time period in 2013). Keeping in view the current intense poliovirus transmission in the country; it is of highest importance to immediately gain consistent access to all the children in the unreached areas of FATA by taking on-board all the stakeholders and strengthening Civil Military Coordination. The Internally Displaced Persons (IDPs) from North & South Waziristan are to be tracked and vaccinated on the transit points and at their destination in the adjacent Frontier Regions and districts of Southern and Central Khyber Pakhtunkhwa. Furthermore, consistent access to all the children in reservoirs of Central Khyber Pakhtunkhwa and Karachi and ensuring high quality SIAs targeting the priority population through providing secure environment for vaccinators will act as key to stopping wild poliovirus circulation from the country.

Map-1: Poliovirus Isolates 2014 (As of 18-10-2014)



### News Briefs and Events

- PM's focal person convened a meeting on 25th September, with all the provincial health secretaries on low season planning
- Polio Provincial Task Forces met in KP, FATA, Sindh & Balochistan during September
- Meeting of the Independent Monitoring Board on GPEI was held on 30th Sep—1st Oct in London
- Next Sub National Immunization Days (SNIDs) is planned on 10-12 November 2014 in high risk areas, using mOPV-1 / bOPV

## Meeting of the Technical Advisory Group (TAG); Key Conclusions and Recommendations

A meeting of the TAG on polio eradication in Pakistan was held in Islamabad on 2-3 June 2014 to review the country's progress towards polio eradication and provide guidance for the next 6 months. The meeting concluded that despite several significant challenges and an imminent risk of high transmission season spread and outbreaks, Pakistan has demonstrated in many parts of the country that it has the capacity, experience and tools to succeed if the remaining challenges can be addressed. The TAG noted that WPV transmission continues to be intense in key areas of Pakistan and the country is still in danger of being the last polio-endemic country in the world. Hard won gains are threatened by the uncontrolled transmission areas and the high transmission season. The key recommendations of the TAG include:

- ◆ **Establishment of a multi-disciplinary team** under the leadership of the Prime Minister's Focal Person to enable the national programme to fully meet the challenges to polio eradication in Pakistan.
- ◆ **Implementing partners (WHO and UNICEF)** urgently review their current staffing and optimize their own capacity to fully support the establishment of robust emergency operations management.
- ◆ **National and provincial level cross border meetings** should be held on a regular basis – at least twice a year – with a focus on co-ordination and maximum coverage of populations moving between Pakistan and Afghanistan.
- ◆ The TAG endorsed a **finalized 2014–2015 supplementary immunization activity schedule** showing all activities, continued close attention to **following the previous TAG recommendations on outbreak response and further expansion of permanent transit immunization strategy** in all areas, but in particular FATA, KP and Karachi.
- ◆ **Adoption of a strategic framework for FATA**, consisting of; (a) Negotiated access, i.e. pursuing solutions to inaccessibility through engagement of tribal, community and religious leaders by all parts of government (federal, FATA administration, Army, parliamentarians), facilitated by the National Islamic Advisory Group (NIAG) and United Arab Emirates, (b) Expanded opportunities to vaccinate through restoration of EPI, medical camps and expansion of 'self-vaccination' and (c) Provision of security and protection for health workers through support of the army along with increased use of security assessment and information to guide operations, community engagement, and provision of broader health services.
- ◆ **Development of contingency plans for large-scale immunization of displaced populations** due to conflict in Waziristan or other Agencies.
- ◆ **A systematic review of one-day campaigns in Peshawar and Bannu** to identify lessons learned and best practices from the security cordoning and provision of OPV with other health services. In-depth analysis to clearly show the performance of all areas and identify those where children could have been missed and further attention is needed. Development of a written, budgeted strategy for the remainder of 2014 for KP incorporating the lessons and best practices identified in the systematic review and analysis. Preparation for rapid immunization and surveillance response to any population shift from areas of conflict (ex. North Waziristan).
- ◆ **To overcome the chronic challenges faced in reservoir areas of Karachi**; conduct a detailed, documented problem analysis to develop a written and budgeted plan through Re-invigoration of the Karachi operations centre. **Establishment of a provincial level polio outbreak response team**, including representatives of all communities, to fully activate and support local officials to mount an effective and robust outbreak response to WPV or cVDPV detections (either a case or positive environmental sample). The re-invigorated provincial Polio Control Room to conduct a review of the situation in Hyderabad to determine the reason for re-isolation of WPV and develop a corrective plan with full backing of Hyderabad high-level authorities.
- ◆ **Further focus on efforts to improve performance during supplementary immunization activities** by building on successes to date and expanding these to all areas – increased use of lady health workers, ensuring a minimum vaccinator age, expanding high-level supervision, and active monitoring of these components to gauge progress and identify areas needing further focus. Use of Polio Plus services in Balochistan, with particular focus on refusal areas.
- ◆ **Expedited efforts to map mobile and migrant populations**, with particular focus on Lahore. Supervision and government oversight during upcoming supplementary immunization activities should focus on tracking progress in these areas. Identification of mechanisms for working with other provinces to support their efforts in interrupting WPV transmission.
- ◆ **Development of a clear strategic plan** to support integration of PEI and EPI messaging and communication for Polio Plus activities. Continued development and implementation of specific communication strategies/plans in high risk areas and re-alignment of social mobilizers from long-term polio-free areas to remaining reservoir and outbreak areas. Integration of communications and social mobilization data and activities in planning and operations, including integrating an IPV training component into vaccinators' induction and refresher training.
- ◆ **Review of the PEI/EPI synergies project** before expansion (with 21 additional districts) to ensure sustainability. Government of Pakistan to retain central procurement of vaccine for EPI to ensure lowest possible price/immunization cost and uninterrupted supply.
- ◆ **To mitigate the risk of vaccine shortage**; timely forecasting for all OPV products (tOPV, bOPV, mOPV1) 2015–2017. Urgent provision of funds for procurement of the last half of IPV supply requirement use in polio supplementary immunization activities in 2014 (200 000 doses) and finalization of plans for any further IPV needs in supplementary immunization activities for the 2014–2015 period, if any.



**Global Update** (as of 18th October, 2014)

247 polio cases have been reported in 2014, 228 from endemic countries (Pakistan-210, Afghanistan-12, Nigeria-06) and 19 from non-endemic countries (Equatorial Guinea-05, Somalia-5, Cameroon-05, Iraq-02, Ethiopia-01, Syria-01)

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

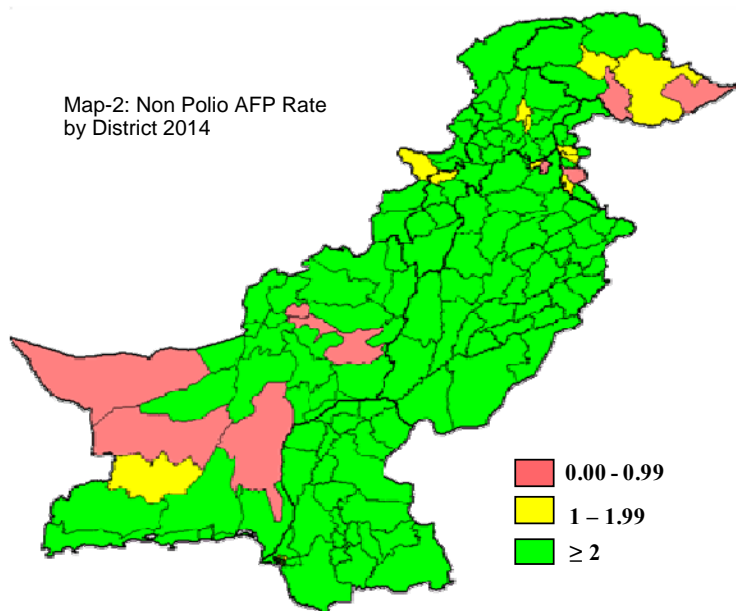
## Key AFP Surveillance Indicators 2014

Overall AFP surveillance indicators in year 2014 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). 3

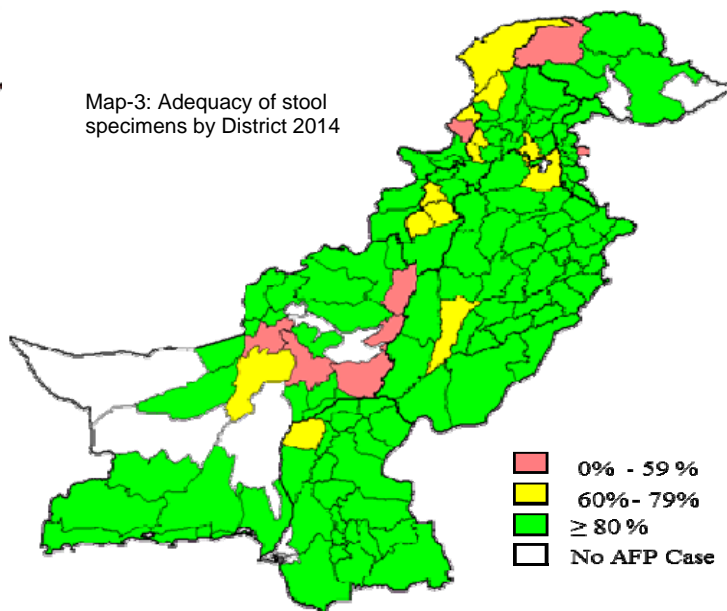
At the national level the annualized non polio AFP rate is 5.21 per 100,000 children below 15 years of age. All provinces and regions except Islamabad, Gilgit Baltistan and AJK have the required rate of 2 or above. The indicator is also above the international standards in 83.4% (136/163) of the districts/towns/agencies (map-2). Majority of districts with sub-optimal non-polio AFP rate have small populations and hence low number of expected AFP cases. However, Saddar, Jamshed, Korangi and Malir towns in Karachi, Dir upper and Shangla in Khyber Pakhtunkhwa, Kurram agency in FATA, Kotli and Poonch in AJK, Khuzdar in Balochistan and CDA in Islamabad have significant number of expected cases. Eighty one percent of the districts/towns/agencies (124/153) 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 2014



Map-3: Adequacy of stool specimens by District 2014



## Province-wise AFP Surveillance Data for 2013 & 2014

Province/Region	AFP Surveillance Data 2013						AFP Surveillance Data 2014 <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 virus 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**	Cases with Adequate Specimens (%) <sup>†</sup>	60 Day Follow Up (%) <sup>†</sup>	No. Zero Reporting Sites	Completeness (%) <sup>†</sup> † † *	Timeliness (%) <sup>†</sup> † † *	
<b>PUNJAB</b>	842	2300	7	5.44	92	100	857	1262	1	4.93	93	84	2010	99	92	89
<b>SINDH</b>	359	972	10	5.33	91	100	366	547	10	4.92	93	94	1507	89	83	89
<b>FATA</b>	35	312	65	10.80	81	<b>51</b>	35	193	77	9.36	85	<b>18</b>	231	<b>33</b>	<b>28</b>	100
<b>BALUCHISTAN</b>	76	198	0	5.11	85	100	77	115	1	4.94	89	88	563	85	81	<b>65</b>
<b>AJK</b>	33	52	0	3.13	92	100	34	20	0	<b>1.98</b>	95	100	124	100	100	100
<b>ISLAMABAD</b>	13	19	0	3.00	100	***	13	7	0	<b>1.82</b>	100	***	42	***	***	***
<b>GBALTISTAN</b>	14	8	0	<b>1.12</b>	88	100	15	7	0	<b>1.62</b>	86	80	42	100	100	100
<b>KHYBER PAKH-TUNKHWA</b>	211	927	11	8.67	83	98	214	479	19	7.16	86	81	1212	<b>33</b>	<b>35</b>	<b>76</b>
<b>TOTAL</b>	<b>1583</b>	<b>4788</b>	<b>93</b>	<b>5.84</b>	<b>89</b>	<b>96</b>	<b>1611</b>	<b>2630</b>	<b>108</b>	<b>5.21</b>	<b>91</b>	<b>80</b>	<b>5731</b>	<b>82%</b>	<b>79%</b>	<b>90%</b>

\* 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. 30 ended on 26th July 2014 \*\*\* 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

### FEEDBACK

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## DISTRICT WISE SUMMARY OF SURVEILLANCE DATA - PUNJAB

District	AFP Surveillance Data 2013						AFP Surveillance Data 2014 <sup>4</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 (%)†				Non-Polio AFP Rate**	Cases with Ade-quate Specimens	60 Day Follow Up (%)†	Number of Sites	Completeness (%) ‡‡‡	Timeliness (%)†‡‡	
ATTOCK	14	33	0	4.76	97	100	14	14	0	3.33	93	100	77	100	96	100
BAHAWALPUR	29	68	0	4.66	94	100	30	42	0	4.73	100	79	73	100	94	100
BAHWLNAGAR	23	83	0	7.25	93	100	23	42	0	6.04	98	67	90	100	99	100
BHAKKAR	12	42	0	6.94	100	100	12	22	0	5.98	100	100	14	100	100	59
CHAKWAL	11	38	0	6.64	100	100	12	22	1	6.04	100	80	18	100	100	100
CHINIOT	10	32	0	6.16	91	100	11	19	0	6.02	100	72	12	100	100	100
DGKHAN	20	123	0	12.14	89	99	21	78	0	12.67	94	92	56	98	81	100
FAISALABAD	61	106	0	3.48	82	100	62	54	0	2.91	91	90	37	100	100	46
GUJRANWALA	40	107	0	5.38	94	100	40	54	0	4.47	94	82	47	100	87	100
GUJRAT	22	64	0	5.76	97	100	23	27	0	4.00	93	40	118	100	90	59
HAFIZABAD	9	31	0	6.81	97	100	9	17	0	6.14	100	86	54	100	87	100
JHANG	20	60	0	5.95	83	100	21	24	0	3.92	88	71	20	100	74	100
JHELUM	10	39	0	7.78	97	100	10	21	0	6.90	95	100	72	100	100	100
KASUR	27	66	0	4.88	97	100	28	41	0	4.99	100	78	82	100	91	100
KHANEWAL	23	73	0	6.33	88	100	23	36	0	5.14	86	96	30	100	93	100
KHUSHAB	10	17	0	3.53	94	100	10	9	0	3.07	100	71	16	100	100	100
LAHORE	79	129	0	3.25	94	100	81	97	0	4.03	94	82	42	100	87	100
LAYYAH	13	36	0	5.34	89	100	14	26	0	6.34	85	100	37	100	99	100
LODHRAN	14	52	0	7.69	96	100	14	26	0	6.33	100	95	44	100	91	100
MBDIN	12	41	1	6.61	95	100	12	15	0	4.08	93	77	61	100	96	100
MIANWALI	12	50	1	8.41	94	100	12	20	0	5.65	100	89	17	100	81	92
MULTAN	36	104	0	5.79	92	100	37	65	0	5.96	91	85	46	100	99	100
MUZFARGARH	33	121	0	7.38	90	100	33	49	0	4.92	78	84	48	100	82	***
NANKANASAHIB	15	32	0	4.38	97	100	15	15	0	3.38	93	100	29	100	97	100
NAROWAL	13	37	0	5.55	97	100	14	16	0	3.95	100	69	84	100	90	100
OKARA	25	72	0	5.80	90	100	25	44	0	5.84	91	88	39	100	88	96
PAKPATTEN	14	32	0	4.43	81	100	15	16	0	3.64	81	69	50	100	100	100
RAJANPUR	14	74	0	10.92	89	100	14	58	0	14.09	91	95	39	65	48	100
RAWALPINDI	39	71	0	3.65	87	100	40	31	0	2.63	77	96	120	100	97	96
RYKHAN	38	81	0	4.24	93	100	39	76	0	6.55	97	100	80	100	87	100
SAHIWAL	20	52	1	5.13	88	100	20	20	0	3.31	85	44	39	100	96	100
SARGODHA	28	54	0	3.84	93	100	29	40	0	4.68	98	82	159	***	***	***
SHEIKUPURA	24	69	1	5.78	91	100	24	30	0	4.20	97	73	89	100	96	100
SIALKOT	30	67	0	4.41	97	100	31	31	0	3.36	94	65	131	100	90	50
TTSINGH	17	61	3	6.55	85	100	18	33	0	6.24	94	83	14	100	93	100
VEHARI	24	83	0	6.91	94	100	24	32	0	4.39	91	96	26	100	100	100
<b>PUNJAB</b>	<b>842</b>	<b>2300</b>	<b>7</b>	<b>5.44</b>	<b>92</b>	<b>100</b>	<b>857</b>	<b>1262</b>	<b>1</b>	<b>4.93</b>	<b>93</b>	<b>84</b>	<b>2010</b>	<b>99‡</b>	<b>92‡</b>	<b>89‡</b>

<sup>4</sup> \* 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. 30 ended on 26th July 2014 \*\*\* 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 2013						AFP Surveillance Data 2014 <sup>5</sup>										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	60 Day Follow Up (%) †	Number of Sites	Completeness (%) † ‡ ¥	Timeliness (%) † ‡ ¥		
<b>Town Wise Summary — Karachi</b>																	
BALDIA	6	12	2	3.27	58	100	6	6	1	2.69	83	100	20	***	***	***	
BINQASIM	5	13	2	4.54	85	100	5	3	0	2.04	100	100	22	100	84.5	75	
GADAP	4	34	2	12.92	71	97	4	23	4	14.4	87	37	12	***	***	***	
GULSHAN-E-IQBAL	8	17	1	3.81	100	100	9	9	0	3.52	89	100	20	***	***	79	
GULBERG	5	6	0	2.20	100	100	6	5	0	3.02	100	80	14	100	100	100	
JAMSHEED	9	10	0	2.22	80	90	9	5	0	1.83	80	80	18	***	***	***	
KAMARI	6	8	0	2.71	63	100	6	4	0	2.23	75	100	11	100	100	100	
KORANGI	8	10	0	2.66	80	100	8	4	0	1.75	75	100	13	100	100	67	
LANDHI	9	12	1	2.35	100	100	10	10	1	3.17	100	100	22	100	100	76	
LAYARI	6	7	0	2.19	57	100	7	5	0	2.58	100	40	15	***	***	***	
LIAQATABAD	8	10	0	2.56	100	100	8	8	0	3.37	100	100	17	***	***	***	
MALIR	6	13	0	4.26	100	100	6	2	0	1.08	100	100	13	100	81.75	100	
N NAZIMABAD	6	7	0	2.34	100	100	6	5	0	2.76	80	100	14	100	100	***	
NORTH KARACHI	8	16	0	3.89	100	100	8	6	1	2.00	83	100	16	***	***	***	
ORANGI	11	25	0	4.58	92	96	11	8	1	2.11	100	100	21	100	100	100	
SADDAR	9	9	0	1.92	89	100	10	1	0	0.35	100	100	21	***	***	***	
SHAHFAISAL	5	11	0	4.31	100	100	5	5	0	3.23	80	100	11	100	100	***	
SITE	7	13	0	3.69	92	100	7	7	1	2.80	71	100	16	100	100	100	
<b>District Wise Summary— Sindh</b>																	
<b>KARACHI</b>	<b>128</b>	<b>233</b>	<b>8</b>	<b>3.46</b>	<b>87</b>	<b>99</b>	<b>130</b>	<b>116</b>	<b>9</b>	<b>2.75</b>	<b>89</b>	<b>81</b>	<b>296</b>	<b>100¥</b>	<b>97¥</b>	<b>89¥</b>	
BADIN	12	45	0	7.25	98	100	13	19	0	5.04	100	100	54	99.5	99.5	86	
DADU	13	27	1	4.11	93	100	13	27	0	7.02	96	100	64	***	***	***	
GHOTKI	12	73	0	12.25	92	100	12	26	0	7.18	96	95	50	***	***	***	
HYDERABAD	16	36	0	4.54	86	100	16	23	0	4.77	83	100	30	55	55	***	
JACOBABAD	8	30	0	7.60	90	100	8	20	0	8.34	95	100	45	***	***	***	
JAMSHORO	7	24	0	7.21	79	100	7	13	0	6.43	85	92	37	***	***	***	
KAMBAR	11	32	0	5.72	91	100	11	16	0	4.71	63	93	52	75	52	***	
KASHMORE	7	14	1	3.57	86	100	7	11	0	4.98	91	100	39	***	***	***	
KHAIRPUR	18	60	0	6.74	98	100	18	36	0	6.65	97	100	102	86.25	86.25	83	
LARKANA	12	28	0	4.61	100	96	12	17	0	4.61	100	100	52	81.5	42	***	
MATIARI	5	21	0	8.00	100	100	5	9	0	5.64	100	100	40	***	***	***	
MIRPURKHAS	10	68	0	13.08	99	100	11	43	0	13.6	95	100	104	91.75	89.25	84	
NFEROZ	11	22	0	4.00	91	100	11	16	0	4.79	100	89	60	***	***	***	
SANGHAR	17	32	0	3.81	84	100	17	15	1	2.75	87	100	55	90.5	90.5	100	
SBENAZIRABAD	11	14	0	2.58	100	100	11	10	0	3.03	100	100	61	100	100	***	
SHIKARPUR	10	25	0	5.16	92	100	10	24	0	8.16	96	95	54	***	***	***	
SUKKUR	11	26	0	4.87	92	96	11	16	0	4.94	94	100	70	98.25	96.5	100	
T.ALLAHYAR	5	21	0	8.01	81	100	5	11	0	6.91	100	100	34	***	***	***	
THARPARKAR	11	27	0	4.88	93	100	11	14	0	4.17	100	100	98	***	***	***	
THATTA	12	54	0	8.88	91	100	12	28	0	7.58	93	100	58	94	87.5	82	
TMKHAN	4	25	0	11.51	96	100	4	14	0	10.6	86	100	12	100	100	***	
UMERKOT	8	30	0	7.35	93	100	8	23	0	9.28	96	94	40	***	***	***	
<b>SINDH</b>	<b>359</b>	<b>967</b>	<b>10</b>	<b>5.30</b>	<b>91</b>	<b>99</b>	<b>366</b>	<b>547</b>	<b>10</b>	<b>4.92</b>	<b>93</b>	<b>94</b>	<b>1507</b>	<b>89¥</b>	<b>83¥</b>	<b>89¥</b>	

\* 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. 30 ended on 26th July 2014  
 \*\*\* 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 2013						AFP Surveillance Data 2014 <sup>§</sup>										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-	60 Day Follow Up (%) †				Non-Polio AFP Rate **	Cases with Ade- quate Speci-	60 Day Follow	Number of Sites	Completeness (%) † ‡ ¥	Timeliness (%) * † ‡		
<b>District Wise Summary — Khyber-Pakhtunkhwa</b>																	
ABOTABAD	9	34	0	7.40	79	94	9	32	0	11.47	91	78	93	70	68	***	
BANNU	8	25	1	6.07	92	100	8	24	9	5.82	71	95	43	***	***	***	
BATAGRAM	3	10	0	7.23	100	50	3	6	0	7.14	83	***	31	***	***	***	
BUNIR	7	47	0	14.04	85	100	7	20	0	9.83	100	100	42	100	100	86	
CHARSADA	12	76	0	12.59	87	100	12	24	0	6.55	83	72	49	21	22	***	
CHITRAL	4	10	0	5.54	100	50	4	9	0	8.21	78	100	27	96	96	***	
DIKHAN	11	38	0	7.22	89	100	11	12	0	3.75	92	100	54	3	3	***	
DIRLOWER	9	43	0	9.53	81	100	9	17	0	6.20	94	67	62	7	37	56	
DIRUPPER	7	15	0	4.47	80	93	7	4	0	1.96	75	100	30	75	75	***	
HANGU	4	16	0	8.25	63	88	4	2	0	1.70	100	0	23	***	***	***	
HARIPUR	8	30	0	7.96	83	100	8	17	0	7.42	76	64	66	47	47	***	
KARAK	5	26	0	9.78	85	100	5	8	0	4.95	100	57	28	***	***	***	
KOHAT	7	33	1	9.23	85	76	7	23	0	10.92	91	45	40	***	***	***	
KOHISTAN	4	5	0	2.49	60	80	4	7	0	5.74	86	29	31	***	***	***	
LAKKIMRWT	6	58	0	19.40	86	98	6	20	1	9.91	75	65	57	59	59	***	
MALAKAND	6	27	1	9.21	100	100	6	11	0	6.41	91	100	46	13	33	***	
MANSEHRA	11	44	0	8.31	86	93	11	27	0	8.39	85	81	69	***	***	***	
MARDAN	18	104	2	11.65	88	100	18	60	1	11.10	93	100	77	***	***	90	
NOWSHERA	10	48	0	9.28	88	48	11	25	0	7.95	80	90	47	75	75	***	
PESHAWAR	26	125	5	9.30	67	95	26	74	8	8.42	77	93	124	85	85	85	
SHANGLA	5	13	0	4.84	85	85	5	3	0	1.84	100	67	35	25	25	***	
SWABI	12	56	1	8.99	86	66	12	27	0	7.26	100	86	63	***	***	95	
SWAT	16	29	0	3.69	79	86	16	20	0	4.19	85	77	48	50	50	***	
TANK	3	13	0	8.98	62	92	3	5	0	5.68	80	75	27	100	100	41	
TORGHAR	2	2	0	1.75	0	100	2	2	0	2.89	100	0	***	***	***	***	
<b>K- PAKHTUNKHWA</b>	<b>211</b>	<b>927</b>	<b>11</b>	<b>8.67</b>	<b>83</b>	<b>98</b>	<b>214</b>	<b>479</b>	<b>19</b>	<b>7.16</b>	<b>86</b>	<b>81</b>	<b>1212</b>	<b>33%</b>	<b>35%</b>	<b>76%</b>	
<b>Agency Wise Summary — FATA</b>																	
BAJOUR	7	42	0	11.49	64	100	7	14	0	6.30	57	83	28	10	10	***	
FR Bannu	0	24	7	90.83	88	8	0	17	2	61.57	71	7	***	***	***	***	
FR DIKhan	1	2	1	3.70	100	0	1	0	0	0.00	-	0	***	***	***	***	
FR Kohat	0	2	0	8.91	50	100	0	1	0	7.33	100	0	***	100	84	100	
FR Lakki	0	2	0	31.37	100	0	0	2	0	51.64	50	0	***	***	***	***	
FR Peshawar	1	3	0	8.83	100	100	1	1	0	4.84	100	0	***	100	81	***	
FR Tank	0	1	0	5.09	100	0	0	0	0	0.00	-	0	***	***	***	***	
KHYBER	6	58	20	9.98	64	100	7	26	10	8.21	85	67	72	***	***	***	
KURRAM	4	6	0	2.69	100	33	5	2	0	1.47	100	0	30	50	50	***	
MOHMAND	4	14	0	6.33	71	57	4	6	0	4.81	33	100	26	***	***	***	
ORAKZAI	2	5	0	4.30	100	100	2	3	0	4.24	100	100	33	75	56	100	
WAZIR-N	4	136	35	33.33	91	13	4	109	58	38.41	93	0	24	100	84	***	
WAZIR-S	4	17	2	7.43	76	6	4	12	7	4.07	100	0	18	***	***	***	
<b>FATA</b>	<b>6</b>	<b>35</b>	<b>312</b>	<b>65</b>	<b>10.80</b>	<b>81</b>	<b>51</b>	<b>35</b>	<b>193</b>	<b>77</b>	<b>9.36</b>	<b>85</b>	<b>18</b>	<b>231</b>	<b>33%</b>	<b>28%</b>	<b>100%</b>

\* 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. 30 ended on 26th July 2014 \*\*\* 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 2013						AFP Surveillance Data 2014 <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 (%) <sup>‡</sup>
				Non-Polio AFP Rate	Cases with Ade-quate Specimens (%) <sup>†</sup>	60 Day Follow Up (%) <sup>†</sup>				Non-Polio AFP Rate**	Cases with Ade-quate Specimens (%) <sup>†</sup>	60 Day Follow Up (%) <sup>†</sup>	Number of Sites	Completeness (%) <sup>†</sup>	Timeliness (%) <sup>†</sup>	
AWARAN	1	1	0	1.92	100	100	1	1	0	3.16	100	0	12	***	***	***
BARKHAN	1	3	0	4.78	67	100	1	2	0	5.25	0	100	9	***	***	***
BOLAN	3	5	0	3.60	100	100	3	2	0	2.37	50	100	23	***	***	***
CHAGHAI	1	3	0	5.34	67	100	1	0	0	0.00	-	-	19	***	***	***
DBUGTI	2	5	0	4.43	80	80	2	2	0	2.92	0	0	9	***	***	***
GWADUR	2	6	0	5.40	83	100	2	4	0	5.93	100	100	11	75	75	50
HARNAI	1	1	0	2.11	100	0	1	0	0	0.00	-	-	10	***	***	13
JAFARABAD	5	25	0	9.34	84	100	5	21	0	13.45	90	86	38	***	***	***
JHALMAGSI	1	1	0	1.54	100	100	1	1	0	2.54	100	100	21	***	***	***
KABDULAH	5	10	0	3.81	70	100	5	13	1	7.52	92	86	26	85	85	100
KALAT	2	2	0	1.83	100	0	2	3	0	4.51	67	33	15	***	***	***
KECH	4	11	0	5.96	91	100	4	6	0	5.35	100	100	19	84	84	75
KHARAN	1	3	0	5.73	100	100	1	1	0	3.15	100	100	6	***	***	100
KHUZDAR	5	3	0	1.28	67	100	5	0	0	0.00	-	-	31	***	***	***
KOHLU	1	***	0	***	***	***	1	0	0	0.00	-	-	6	***	***	***
KSAIFULAH	2	3	0	3.05	67	100	2	3	0	5.03	100	100	14	94	80	75
LASBELA	4	8	0	4.25	100	100	4	4	0	3.50	100	100	40	***	***	***
LORALAI	2	6	0	5.52	100	100	2	2	0	3.03	100	100	19	100	90	100
MASTUNG	2	6	0	4.94	67	17	2	2	0	4.07	50	50	18	***	***	***
MUSAKHEL	1	3	0	4.06	100	100	2	1	0	2.23	0	100	10	***	***	***
NOSHKI	1	1	0	2.23	100	100	1	1	0	3.66	100	100	13	***	***	100
NSIRABAD	3	20	0	12.28	80	100	3	15	0	15.16	100	100	28	***	***	***
PANJGOUR	3	5	0	3.90	100	100	3	1	0	1.28	100	0	13	58	58	25
PISHIN	5	16	0	6.87	100	100	5	7	0	4.95	100	75	33	97	97	100
QUETTA	11	28	0	5.33	86	96	11	13	0	4.08	92	90	62	***	***	75
SHERANI	1	4	0	9.36	50	100	1	1	0	3.85	100	0	4	***	***	***
SIBI	2	4	0	4.63	100	100	2	7	0	13.35	86	100	20	***	***	25
WASHUK	1		0	0.00	***	***	1	0	0	0.00	0	0	9	***	***	***
ZHOB	2	12	0	9.26	83	100	2	2	0	2.77	100	100	15	***	***	***
ZIARAT	1	3	0	5.52	33	67	1	0	0	0.00	0	0	10	***	***	13
<b>BALOCHISTAN</b>	<b>76</b>	<b>198</b>	<b>0</b>	<b>5.11</b>	<b>85</b>	<b>94</b>	<b>77</b>	<b>115</b>	<b>1</b>	<b>4.94</b>	<b>89</b>	<b>88</b>	<b>563</b>	<b>85%</b>	<b>81%</b>	<b>65%</b>

District Wise Summary of Surveillance Data - Gilgit-Baltistan																
ASTORE	1	1	0	1.78	100	100	1	0	0	0.00	-	-	5	100	100	100
DIAMIR	3	1	0	0.70	100	100	3	2	0	2.31	100	100	5	100	100	100
GHANCHE	1	0	0	0.00	-	-	1	0	0	0.00	-	-	7	100	100	100
GHIZER	2	5	0	5.55	80	100	2	2	0	3.66	50	100	7	100	100	100
GILGIT	2	0	0	0.00	-	-	2	1	0	1.57	100	0	12	100	100	100
HUNZANAGAR	1	1	0	1.36	100	100	1	1	0	2.23	100	100	***	100	100	100
SKARDU	3	0	0	0.00	-	-	4	1	0	0.94	100	0	6	100	100	100
<b>G-BALTISTAN</b>	<b>14</b>	<b>8</b>	<b>0</b>	<b>1.12</b>	<b>88</b>	<b>100</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>1.62</b>	<b>86</b>	<b>80</b>	<b>42</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\* 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. 30 ended on 26th July 2014  
 \*\*\* Data not Available  
 † Zero reports and active surveillance averaged for last 4 weeks  
 ‡ Target ≥80%    § Population data source: Federal EPI    ¶ For received reports only

## DISTRICT WISE SUMMARY OF SURVEILLANCE DATA AJK & ISLAMABAD

District	AFP Surveillance Data 2013						AFP Surveillance Data 2014 <sup>8</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 Adequate Specimens (%) †	60 Day Follow Up (%) †				Non-Polio AFP Rate **	Cases with Adequate Specimens (%) †	60 Day Follow Up (%) †	Number of Sites	Completeness (%) † †	Timeliness (%) † † †	
<b>District Wise Summary of Surveillance Data - AJK</b>																
BAGH	3	12	0	7.48	83	100	3	1	0	1.03	100	0	15	100	100	100
BHIMBER	3	6	0	3.55	100	100	3	3	0	2.92	100	100	11	100	100	100
HATTIAN	2	2	0	2.21	100	100	2	1	0	1.82	100	0	8	100	100	100
HAVELI	1	1	0	1.62	0	100	1	2	0	5.32	50	100	6	100	100	100
KOTLI	6	4	0	1.27	100	100	6	1	0	0.52	100	100	18	100	100	100
MIRPUR	4	7	0	3.86	100	100	4	2	0	1.81	100	100	26	100	100	100
MUZAFFAR ABAD	5	10	0	3.73	100	100	5	4	0	2.45	100	100	16	100	100	100
NEELUM	1	2	0	2.73	100	100	1	2	0	4.49	100	100	6	100	100	100
POONCH	4	5	0	2.26	80	100	5	2	0	1.49	100	100	11	100	100	100
SUDNUTI	2	3	0	2.49	100	100	2	2	0	2.73	100	100	7	100	100	100
<b>AJK</b>	<b>33</b>	<b>52</b>	<b>0</b>	<b>3.13</b>	<b>92</b>	<b>100</b>	<b>34</b>	<b>20</b>	<b>0</b>	<b>1.98</b>	<b>95</b>	<b>100</b>	<b>124</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>District Wise Summary of Surveillance Data - Islamabad</b>																
<b>ISLAMABAD</b>	<b>13</b>	<b>17</b>	<b>0</b>	<b>2.68</b>	<b>100</b>	<b>***</b>	<b>13</b>	<b>7</b>	<b>0</b>	<b>1.82</b>	<b>100</b>	<b>0</b>	<b>42</b>	<b>***</b>	<b>***</b>	<b>***</b>

\* 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. 30 ended on 26th July 2014. \*\*\* 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

### REPORTED AFP CASES BY WEEK OF ONSET — (Source RRL REC file 26/07/2014)

Province	Total AFP 2013	Total AFP 2014	WEEK OF ONSET													
			W 17 26-April-14	W 18 3-May-14	W 19 10-May-13	W 20 17-May-14	W 21 24-May-14	W 22 31-May-14	W 23 7-June-14	W 24 14-June-14	W 25 21-June-14	W 26 28-June-14	W 27 5-July-14	W 28 12-July-14	W 29 19-July-14	W 30 26-July-14
Punjab	2300	1124	55	54	66	58	59	60	55	60	50	53	57	43	44	26
Sindh	972	491	19	22	18	29	15	10	19	20	19	19	13	16	20	12
Khyber Pakhtunkhwa	927	425	24	23	16	14	25	18	21	12	18	20	21	18	14	8
FATA	312	175	8	9	8	11	6	10	6	5	4	4	2	6	2	10
Balochistan	198	96	6	4	6	2	6	2	4	4	3	4	6	6	2	5
AJK	52	19	0	0	0	1	2	2	0	1	1	2	0	1	0	0
Gilgit-Baltistan	8	3	0	0	0	0	1	1	0	0	1	0	0	0	0	0
Islamabad	19	7	1	0	0	0	1	0	0	0	0	1	1	0	0	1
<b>Pakistan</b>	<b>4788</b>	<b>2340</b>	<b>113</b>	<b>112</b>	<b>114</b>	<b>115</b>	<b>115</b>	<b>103</b>	<b>105</b>	<b>102</b>	<b>96</b>	<b>103</b>	<b>100</b>	<b>90</b>	<b>82</b>	<b>62</b>

### CONFIRMED POLIO CASES BY MONTH OF ONSET — (Source AFP REC file)

Province	2012	2013	2014	Last 12 months											
				Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July†
Punjab	2	7	1	-	1	3	-	1	-	-	-	-	-	-	1
Sindh	4	10	10	-	1	2	1	3	-	1	2	2	1	4	
Khyber Pakhtunkhwa	27	11	19	2	2	1	-	1	2	2	4	1	3	5	2
FATA	20	65	79	6	15	8	9	12	15	15	8	14	12	9	6
Balochistan	4	-	1	-	-	-	-	-	-	-	-	-	-	-	1
AJK/ Gilgit- Baltistan	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Islamabad <sup>8</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Pakistan</b>	<b>58</b>	<b>93</b>	<b>110</b>	<b>8</b>	<b>19</b>	<b>14</b>	<b>10</b>	<b>17</b>	<b>17</b>	<b>18</b>	<b>14</b>	<b>17</b>	<b>16</b>	<b>18</b>	<b>10</b>

† Data not complete



**SUMMARY OF CONTROL / OPERATIONS ROOM DATA - PUNJAB**

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
<b>July 2014 SIAs Phase 1</b>									
BAHAWALPUR	37,995	38,161	100	2,854	0	2,854	25	0	25
DGKHAN	306,404	314,504	103	22,360	88	22,448	1,636	36	1,672
LODHRAN	22,247	23,130	104	2,353	6	2,359	292	0	292
MULTAN	182,782	175,870	96	20,301	130	20,431	3,270	69	3,339
RAJANPUR	247,067	264,230	107	18,830	37	18,867	811	0	811
RAWALPINDI	155,115	165,743	107	23,182	837	24,019	11,765	204	11,969
RYKHAN	291,870	296,944	102	25,718	92	25,810	5,788	3	5,791
<b>PUNJAB</b>	<b>1,243,480</b>	<b>1,278,582</b>	<b>103</b>	<b>115,598</b>	<b>1,190</b>	<b>116,788</b>	<b>23,587</b>	<b>312</b>	<b>23,899</b>
<b>July 2014 SIAs Phase 2</b>									
BAHAWALPUR	37,995	38,329	101	2,887	0	2,887	25	0	25
DGKHAN	306,404	304,964	100	22,806	160	22,966	14,190	139	14,329
LODHRAN	22,247	22,954	103	2,299	1	2,300	341	0	341
MULTAN	182,782	177,821	97	20,616	167	20,783	2,999	81	3,080
RAJANPUR	247,067	263,380	107	19,501	62	19,563	964	2	966
RAWALPINDI	155,115	170,518	110	17,193	737	17,930	507	458	965
RYKHAN	291,870	297,828	102	26,669	89	26,758	5,722	0	5,722
<b>PUNJAB</b>	<b>1,243,480</b>	<b>1,275,794</b>	<b>103</b>	<b>111,971</b>	<b>1,216</b>	<b>113,187</b>	<b>24,748</b>	<b>680</b>	<b>25,428</b>
<b>July 2014 SIAs Phase 3</b>									
ATTOCK	21,580	21,547	100	1,323	0	1,323	31	0	31
BHAKKAR	6,008	5,655	94	494	0	494	435	0	435
CHAKWAL	3,039	2,984	98	142	0	142	15	0	15
KHUSHAB	2,859	2,854	100	292	0	292	1	0	1
LAHORE	160,448	154,092	96	15,872	110	15,982	9,507	21	9,528
LAYYAH	30,604	32,402	106	2,391	9	2,400	135	0	135
MIANWALI	14,459	13,809	96	983	3	986	433	3	436
RAWALPINDI	19,541	19,814	101	1,672	40	1,712	712	22	734
SARGODHA	18,857	17,545	93	616	0	616	293	0	293
<b>PUNJAB</b>	<b>277,395</b>	<b>270,702</b>	<b>98</b>	<b>23,785</b>	<b>162</b>	<b>23,947</b>	<b>11,562</b>	<b>46</b>	<b>11,608</b>
<b>July 2014 SIAs Phase 4</b>									
ATTOCK	21,580	21,209	98	1,225	0	1,225	444	0	444
BHAKKAR	6,008	5,669	94	451	2	453	363	2	365
CHAKWAL	3,039	2,869	94	204	0	204	127	0	127
KHUSHAB	2,859	3,002	105	311	0	311	2	0	2
LAHORE	160,448	154,439	96	15,997	170	16,167	10,010	26	10,036
LAYYAH	30,604	31,289	102	2,723	22	2,745	123	0	123
MIANWALI	14,459	13,531	94	825	2	827	277	2	279
MUZFARGARH	47,692	46,911	98	3,046	0	3,046	2,236	0	2,236
RAWALPINDI	19,541	19,548	100	1,727	55	1,782	730	27	757
SARGODHA	18,857	19,512	103	727	0	727	47	0	47
<b>PUNJAB</b>	<b>325,087</b>	<b>317,979</b>	<b>98</b>	<b>27,236</b>	<b>251</b>	<b>27,487</b>	<b>14,359</b>	<b>57</b>	<b>14,416</b>

**SUMMARY OF CONTROL / OPERATIONS ROOM DATA - KPK**

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
<b>July 2014 SIAs Phase 1</b>									
BANNU	209,467	144,892	69	7,714	14,421	22,135	1,070	11,225	12,295
DIKHAN	171,789	143,495	84	13,048	1,208	14,256	5,238	939	6,177
HANGU	71,283	47,219	66	3,083	696	3,779	2,200	620	2,820
KARAK	62,643	54,653	87	2,195	1,056	3,251	1,911	985	2,896
LAKKIMRWT	94,343	80,581	85	4,921	3,110	8,031	1,482	2,160	3,642
TANK	56,580	47,715	84	1,119	174	1,293	801	174	975
<b>KPK</b>	<b>666,105</b>	<b>518,555</b>	<b>78</b>	<b>32,080</b>	<b>20,665</b>	<b>52,745</b>	<b>12,702</b>	<b>16,103</b>	<b>28,805</b>
<b>July 2014 SIAs Phase 2</b>									
BANNU	209,467	144,183	69	6,954	15,464	22,418	1,303	12,376	13,679
DIKHAN	171,789	138,419	81	13,794	1,478	15,272	5,557	1,140	6,697
HANGU	71,283	47,305	66	2,457	629	3,086	1,792	584	2,376
KARAK	62,643	55,560	89	2,434	1,390	3,824	802	918	1,720
LAKKIMRWT	94,343	76,404	81	4,650	3,475	8,125	3,220	3,091	6,311
TANK	56,580	45,343	80	1,018	115	1,133	723	115	838
<b>KPK</b>	<b>666,105</b>	<b>507,214</b>	<b>76</b>	<b>31,307</b>	<b>22,551</b>	<b>53,858</b>	<b>13,397</b>	<b>18,224</b>	<b>31,621</b>
<b>July 2014 SIAs Phase 3</b>									
BANNU	209,467	139,893	67	6,698	12,263	18,961	1,412	9,951	11,363
DIKHAN	171,789	139,028	81	12,181	1,559	13,740	5,029	1,217	6,246
HANGU	71,283	51,194	72	3,556	696	4,252	946	525	1,471
KARAK	62,643	56,624	90	2,571	1,096	3,667	798	688	1,486
LAKKIMRWT	94,343	80,383	85	4,696	3,495	8,191	586	2,204	2,790
TANK	56,580	44,844	79	1,025	129	1,154	593	127	720
<b>KPK</b>	<b>666,105</b>	<b>511,966</b>	<b>77</b>	<b>30,727</b>	<b>19,238</b>	<b>49,965</b>	<b>9,364</b>	<b>14,712</b>	<b>24,076</b>

**SUMMARY OF CONTROL / OPERATIONS ROOM DATA - FATA**

<b>July 2014 SIAs Phase 1</b>									
KURRAM	88,466	50,743	57	4,998	32	5,030	1,601	4	1,605
FR BANNU	49,009	37,027	76	1,905	530	2,435	292	294	586
<b>FATA</b>	<b>137,475</b>	<b>87,770</b>	<b>64</b>	<b>6,903</b>	<b>562</b>	<b>7,465</b>	<b>1,893</b>	<b>298</b>	<b>2,191</b>
<b>July 2014 SIAs Phase 2</b>									
KURRAM	88,466	51,600	58	5,031	36	5,067	1,480	14	1,494
FR BANNU	49,009	38,523	79	2,098	778	2,876	378	381	759
<b>FATA</b>	<b>137,475</b>	<b>90,123</b>	<b>66</b>	<b>7,129</b>	<b>814</b>	<b>7,943</b>	<b>1,858</b>	<b>395</b>	<b>2,253</b>

**SUMMARY OF CONTROL / OPERATIONS ROOM DATA - BALOCHISTAN**

<b>July 2014 SIAs Phase 1</b>									
DBUGTI	40,753	42,451	104	654	68	722	446	48	494
JAFARABAD	166,113	164,101	99	11,426	11	11,437	913	1	914
NSIRABAD	116,547	116,041	100	5,961	75	6,036	1,531	46	1,485
<b>BALOCHISTAN</b>	<b>323,413</b>	<b>322,593</b>	<b>100</b>	<b>18,041</b>	<b>154</b>	<b>18,195</b>	<b>1,998</b>	<b>93</b>	<b>1,905</b>
<b>July 2014 SIAs Phase 2</b>									
QUETTA	475,166	465,260	98	16,961	9,858	26,819	9,234	1,078	10,312
SHARANI	16,878	16,672	99	330	72	402	150	-	150
ZHOB	53,692	61,944	115	1,240	1,936	3,176	302	958	1,260
<b>BALOCHISTAN</b>	<b>1,167,524</b>	<b>1,094,135</b>	<b>94</b>	<b>47,405</b>	<b>22,757</b>	<b>70,162</b>	<b>17,098</b>	<b>5,130</b>	<b>22,228</b>

## SUMMARY OF CONTROL / OPERATIONS ROOM DATA - SINDH

District	Total target population for the campaign	Reported Coverage		Reported unvaccinated children <sup>11</sup>					
		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
<b>July 2014 SIAs Phase 1</b>									
GHOTKI	173,385	169,860	98	15,177	1,140	16,317	2,337	1,007	3,344
JACOBABAD	107,934	100,071	93	6,768	166	6,934	1,288	119	1,407
KAMBAR	159,318	162,536	102	11,690	15	11,705	2,129	9	2,138
KASHMORE	143,174	139,031	97	8,946	26	8,972	171	26	197
KHAIRPUR	235,607	232,407	99	14,397	86	14,483	1,533	36	1,569
LARKANA	82,447	83,415	101	6,573	14	6,587	768	11	779
NFEROZ	208,939	207,972	100	12,226	17	12,243	1,237	1	1,238
SHIKARPUR	95,451	96,208	101	5,946	143	6,089	1,162	35	1,197
SUKKUR	209,301	211,329	101	16,823	63	16,886	1,558	13	1,571
KHIBALDIA	24,750	23,577	95	937	364	1,301	558	183	741
KHIGADAP	55,200	54,286	98	850	508	1,358	153	174	327
KHIGIQBAL	25,391	25,365	100	1,611	397	2,008	80	55	135
KHILANDHI	7,500	8,793	117	214	31	245	71	10	81
KHIORANGI	26,000	27,275	105	2,516	657	3,173	1,549	459	2,008
KHISITE	15,123	14,847	98	207	274	481	30	75	105
<b>SINDH</b>	<b>1,569,520</b>	<b>1,556,972</b>	<b>99</b>	<b>104,881</b>	<b>3,901</b>	<b>108,782</b>	<b>14,624</b>	<b>2,213</b>	<b>16,837</b>
<b>July 2014 SIAs Phase 2</b>									
KHIBALDIA	41,310	39,383	95	1,190	555	1,745	550	330	880
KHIGADAP	55,200	53,278	97	623	510	1,133	400	320	720
KHIGIQBAL	25,391	25,297	100	1,230	260	1,490	147	83	230
KHILANDHI	7,500	8,631	115	104	19	123	85	13	98
KHIORANGI	26,500	27,061	102	2,337	735	3,072	1,171	466	1,637
KHISITE	15,123	14,866	98	204	274	478	20	87	107
<b>SINDH</b>	<b>171,024</b>	<b>168,516</b>	<b>99</b>	<b>5,688</b>	<b>2,353</b>	<b>8,041</b>	<b>2,373</b>	<b>1,299</b>	<b>3,672</b>

## SUMMARY OF CONTROL/ OPERATIONS ROOM DATA - PROVINCE WISE

<b>July 2014 SIAs Phase 1</b>									
BALUCHISTAN	323,413	322,593	100	18,041	154	18,195	1,998	93	1,905
FATA	137,475	87,770	64	6,903	562	7,465	1,893	298	2,191
KP	666,105	518,555	78	32,080	20,665	52,745	12,702	16,103	28,805
PUNJAB	1,243,480	1,278,582	103	115,598	1,190	116,788	23,587	312	23,899
SINDH	1,569,520	1,556,972	99	104,881	3,901	108,782	14,624	2,213	16,837
<b>PAKISTAN</b>	<b>3,939,993</b>	<b>3,764,472</b>	<b>96</b>	<b>277,503</b>	<b>26,472</b>	<b>303,975</b>	<b>54,804</b>	<b>18,833</b>	<b>73,637</b>
<b>July 2014 SIAs Phase 2</b>									
BALUCHISTAN	323,413	297,382	92	16,821	197	17,018	2,387	96	2,483
FATA	137,475	90,123	66	7,129	814	7,943	1,858	395	2,253
KP	666,105	507,214	76	31,307	22,551	53,858	13,397	18,224	31,621
PUNJAB	1,243,480	1,275,794	103	111,971	1,216	113,187	24,748	680	25,428
SINDH	171,024	168,516	99	5,688	2,353	8,041	2,373	1,299	3,672
<b>PAKISTAN</b>	<b>2,541,497</b>	<b>2,339,029</b>	<b>92</b>	<b>172,916</b>	<b>27,131</b>	<b>200,047</b>	<b>44,763</b>	<b>20,694</b>	<b>65,457</b>
<b>July 2014 SIAs Phase 3</b>									
KP	666,105	511,966	77	30,727	19,238	49,965	9,364	14,712	24,076
PUNJAB	277,395	270,702	98	23,785	162	23,947	11,562	46	11,608
<b>PAKISTAN</b>	<b>943,500</b>	<b>782,668</b>	<b>83</b>	<b>54,512</b>	<b>19,400</b>	<b>73,912</b>	<b>20,926</b>	<b>14,758</b>	<b>35,684</b>
<b>July 2014 SIAs Phase 4</b>									
PUNJAB <sup>11</sup>	325,087	317,979	98	27,236	251	27,487	14,359	57	14,416
<b>PAKISTAN</b>	<b>325,087</b>	<b>317,979</b>	<b>98</b>	<b>27,236</b>	<b>251</b>	<b>27,487</b>	<b>14,359</b>	<b>57</b>	<b>14,416</b>

Heavy rains in upper Punjab and Kashmir during the first week of September 2014 triggered flash floods in the rivers Chenab, Jhelum and Ravi. The highest intensity floods were seen in the river Chanab. A total of 23 districts were affected with a varying degree, with affecting an estimated 1.7 million population and damaging more than 3000 households. Nearly 250 deaths and more than 400 serious injuries have been reported so far. High Intensity rainfalls also caused urban floods in some main cities and towns of upper and central Punjab.

Polio eradication infrastructure joined the Emergency Response Team to overcome public health emergency due to the massive floods as in the past. WHO polio eradication staff contributed upwards of 130 man-days and made more than 300 visits to IDPs and Medical Camps. They started with quick situation assessment exercise and facilitated immediate coordination with Humanitarian partners and NGOs for best possible response.

WHO EPI Officer visited two districts in coordination with Additional Director EPI Office (13/8) and Polio Eradication Team Leader visited with Director EPI four districts (11 & 13/8).

In regards to vaccination initiatives, reportedly a total of 133,464 children (6 months to 5 years old) have been vaccinated against measles and 141,458 children below 5 years were given in the flood affected areas.

Special arrangements have been made to conduct the currently underway National Immunization Days (NIDs) in terms of ground micro-planning in the flood affected areas and to track and reach all the flood affected populations. It is important to mention that large scale floods produce a conducive environment for the transmissibility of poliovirus (that transmits through oro-fecal route) with risk of subsequent polio outbreaks. Experience in post flood periods of 2010 highlight the need for high quality vaccination activities (routine and SIA) in the coming weeks to prevent any upsurge / outbreak in polio transmission in the flood affected and adjacent areas / regions.

In a meeting, Advisor to the Chief Minister Punjab on Health and Secretary Health thanked WHO Country Representative for WHO's local support and inputs during flood crisis.



AN UPDATE ON SEPTEMBER-OCTOBER 2014 NIDs

Fourth National Immunization Days (NIDs) of 2014 have been conducted from 29<sup>th</sup> Sept – 1<sup>st</sup> Oct targeting a total of 34.2 million children below 5 years by using trivalent Oral Polio Vaccine (tOPV). Karachi conducted the NIDs in phased manner until the week after Eid as per availability of security. The activity was completed in Peshawar Charsadda and Swabi districts under the special one day SIA strategy. The campaign was delayed in Quetta block (Quetta, Pishin, Killa Abdullah) to strengthen campaign preparations. Vaccination activity could not be started in North & South Waziristan agencies and Khyber agency (Tehsil Bara).

Province	Total target population for the campaign	Reported Coverage		Children still unvaccinated from recorded unvaccinated					
		Children vaccinated (n)	% Children vaccinated among total target population	Not Available		Refusal		Total	
				N	%	N	%	N	%
AJK	681,556	702,376	103	583	0.1	49	0.01	632	0.1
BALUCHISTAN	2,170,506	1,793,372	83	21,700	1.0	8,963	0.41	30,663	1.4
FATA	766,692	694,532	91	15,560	2.0	640	0.08	16,200	2.1
GBALTISTAN	215,086	218,220	101	5	0.0	3	0.00	8	0.0
ISLAMABAD	252,232	258,199	102	3,428	1.4	254	0.10	3,682	1.5
KPK	5,149,429	5,132,879	100	74,412	1.4	50,648	0.98	125,060	2.4
PUNJAB	16,521,654	18,115,359	110	142,991	0.9	873	0.01	143,864	0.9
SINDH	7,974,810	8,134,764	102	58,700	0.7	15,553	0.20	74,253	0.9
<b>TOTAL</b>	<b>33,731,965</b>	<b>35,049,701</b>	<b>104</b>	<b>317,379</b>	<b>0.9</b>	<b>76,983</b>	<b>0.23</b>	<b>394,362</b>	<b>1.2</b>