



# EPI Surveillance Bulletin

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Epidemiologic Week 46: November 12 – 18, 2006



October 2006

## Reach the Unreached - Make 14<sup>th</sup> NID A Success

The national advocacy meeting held on 6 November marked the beginning of the 14<sup>th</sup> NID in Bangladesh. The first round of this NID will be held on 25 November 2006 and the second round on 23 December 2006. In first round vitamin A will be given to all children of 1-5 years and deworming tablet will be given to all children of 2-5 years in addition to OPV. In both rounds there will be a four day long child to child search program following the day of NID as usual. This year Bangladesh has conducted four rounds of 13<sup>th</sup> Special NID following the importation of wild polio virus after more than five years. But these four rounds of NID could not stop the outbreak and two more cases have been reported following 4<sup>th</sup> round which was held on 6 August 2006. One case was reported from Noakhali Sadar having onset of paralysis on 7 August and the other was from Banskhali upazila of Chittagong having onset on 22 August 2006. As of 18 November 2006 Bangladesh has reported 15 cases.

All preparations for making the 14<sup>th</sup> NID a success are in full swing. Following national advocacy meeting, divisional, district and City Corporation advocacy meetings, district and upazila orientation and planning meetings along with supervisors and field workers orientation have been conducted. Interpersonal communications and volunteers orientations are in progress. NID field guides and different forms along with vaccines have been sent out to the field from the EPI Headquarters in timely fashion.

Independent Observers' checklist findings show that we achieved 94.4% coverage in 4<sup>th</sup> round of 13<sup>th</sup> Special NID. This means that we could not reach 5.6% children, which if translated into number becomes almost 1300,000. So, the challenge of this NID is to reach all children particularly those who are residing in hard to reach areas. As such, much emphasis has been given to prepare pragmatic micro planning by the managers for ensuring vaccination of all left out children, traveling children as well as street children and children staying with working mothers with special focus in border areas. For the traveling children special teams should be deployed in strategic key points with proactive approach to vaccinate children staying inside the transport. This time micro planning includes house number or house leader's name of the starting house of a sub-block as well as that of ending house. These house numbers/names of house leader should be specified in the microplan so that supervisors can easily track those houses. Special micro planning has to be done for hard to reach areas detailing the mode of vaccine transport and operation strategy of special teams.

In order to ensure high quality vaccination program during 14<sup>th</sup> NID, preparation checklists have been developed to facilitate the managers as well as SMOs, DIMOs and EPIFs for ensuring better preparation of the NID.

Intensive supervision plan has been chalked out along with GoB and other development partners at the central level as well as at the district/CC/upazila level to supervise NID and Child to Child search activities particularly in hard to reach areas. This time district/CC/upazila managers have been instructed to include potential supervisors from non-health sectors including local NGOs as supervisors.

In order to build up people's awareness and to ensure their full participation extensive mass media campaigns have been taken up. Bangladesh Television, Bangladesh Betar, Private TV channels are broadcasting many programs like TV spot, TV talk show, Radio talk, documentaries, count down and appeal by the celebrities and Chief Health Adviser. Besides these, news papers, Department of Mass Communication, Press Information Department are also going to contribute a lot in this regard.

## Mop-Up Campaign in Chittagong-A Stitch in Time

Out of 15 wild polio viruses reported so far this year, 4 cases have been reported from Banskhali upazila of Chittagong district. These four cases have had onset of paralysis in consecutive four months starting from May 2006. The last case has had onset of paralysis on 22 August 2006, obviously following the 4<sup>th</sup> round of 13<sup>th</sup> Special NID. So, a mop-up campaign was conducted in Chittagong district, Chittagong City Corporation and two adjoining upazilas of Cox's Bazar district namely Kutubdia and Chokoria on 14 October 2006 followed by Child to Child search program on 15 - 16 October in City Corporation area. This campaign targeted about 1.5 million under 5 children. Monovalent OPV 1 (mOPV1) remaining in different upazilas and districts of the country after 4<sup>th</sup> round of 13<sup>th</sup> Special was pooled to Chittagong and administered in this campaign. WHO and UNICEF provided fund needed for this mop-up campaign.

Independent observers from Ministry of Health and Family Welfare, JOCV/JICA, GAVI, UNICEF and WHO supervised and monitored the campaign activities. Analysis of Independent Observers' checklist showed that 93% children were vaccinated in this campaign leaving 7% children unreached. 'Did not know' was found to be the major cause for not vaccinating the child from the NID site followed by 'busy' and 'traveling'. Mobile miking was found to be main source of communication in this campaign.

At any rate, we need to vaccinate **all** children including those living in hard to reach areas during this NID. This is very important for making Bangladesh polio free once again.

## Surveillance Summary for 1999-2006 (through Epidemiologic Week 46, November 12 – 18, 2006)

	1999	2000	2001	2002	2003	2004	2005	2006 <sup>1</sup>
Number of AFP cases	761	1138	1287	1365	1128	1301	1458	1433
No. of clinically confirmed polio cases	322	197	NA	NA	NA	NA	NA	NA
No. of compatible cases according to virologic classification system	NA	NA	36	0	0	2	0	1
No. of cases with isolation of wild poliovirus	29	1	0	0	0	0	0	15
No. of discarded polio cases (i.e., non-polio AFP)	439	941	1251	1365	1128	1299	1458	1289
No. of cases pending classification	0	0	0	0	0	0	0	128
Expected annual number of non-polio AFP cases (1/100,000 children <15 yr)*	505	515	533	549	556	563	1094	1114

## AFP Surveillance Performance Indicators:

Indicator	Target	1999	2000	2001	2002	2003	2004	2005	2006
1. Annual Non-Polio AFP rate in children < 15 years old	≥ 2.0	0.87	1.82	2.34	2.49	2.03	2.31	2.66	2.62
2. Completeness of passive reporting from facilities	≥ 90%	66%	83%	65%	62%	67%	82%	92%	89%
3. Timeliness of passive reporting from facilities	≥ 80%	30%	58%	38%	36%	62%	75%	84%	83%
4. Suspected AFP cases investigated within 48 hours of notification	≥ 80%	83%	93%	96%	96%	98%	98%	99%	99%
5. Confirmed AFP cases with 2 stool specimens collected ≤ 14 days after paralysis onset	≥ 80%	49%	68%	80%	89%	90%	90%	92%	92%
6. Stool specimens arriving at laboratory ≤ 3 days after collection	≥ 80%	81%	92%	97%	98%	99%	99%	99%	99%
7. Stool specimens arriving at laboratory in "good" condition "good" = 1. Presence of unmelted ice or temperature < 8°C 2. Adequate volume (≥ 8 grams or size of ½ thumb) 3. No evidence of leakage 4. No evidence of desiccation (drying)	≥ 90%	97%	100%	100%	99%	100%	100%	100%	100%
8. Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset	≥ 80%	97%	95%	93%	99%	100%	98%	99%	91% <sup>2</sup>
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	≥ 80%	58%	94%	99%	100%	100%	100%	100%	98% <sup>3</sup>
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	≥ 10%	13%	21%	29%	28%	23%	20%	20%	15%

<sup>1</sup> Data as of November 18, 2006; <sup>2</sup> among cases occurring up to September 4, 2006; <sup>3</sup> as of October 21, 2006, \* Prior to 2005 NPAFP rate calculated as 1/100,000 children.

Please provide your feedback and comments to Dr. Md. Tazul Islam, DPM-EPI or Dr. Abdul Quader Mian, Program Manager,

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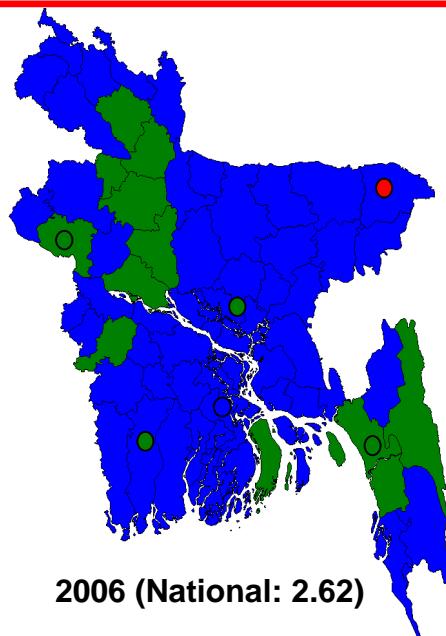
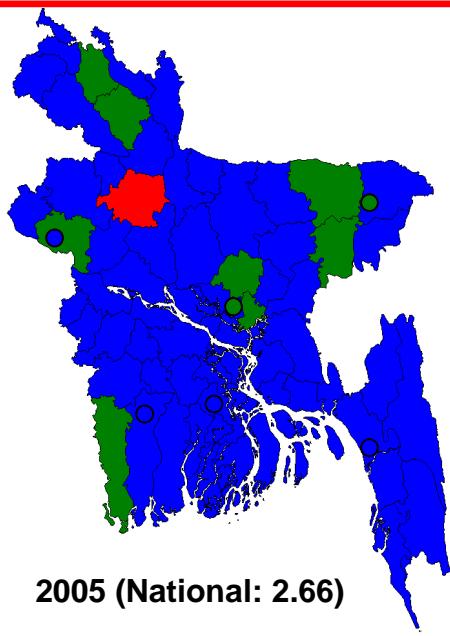
Chief Advisor to the Editorial Board: Dr. Md. Shukuruddin Mridha, Director PHC & Line Director ESD, DGHS, Mohakhali Dhaka.

District	Minimum operational target of non-polio AFP		Total # AFP <sup>1</sup>		Wild polio-virus isolated		# Compatible cases <sup>1</sup>	Non- Polio AFP cases <sup>1</sup>		Pending final classif. <sup>1</sup>		Annualized Non-polio AFP Rate <sup>1</sup>		Notification within 10 d after paralysis onset <sup>1</sup>		Investigation within 48 h after notification <sup>1</sup>		% with 2 stools within 14 days <sup>1</sup>		Stool sample arriving to lab within 72 hrs <sup>1</sup>		% with 60-day follow-up <sup>2</sup>		
	2005	2006	2005	2006	2005	2006		2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	
<b>Dhaka Division</b>																								
Dhaka (non DCC)	25	26	47	38		1		47	36	0	1	3.82	3.16	89%	95%	100%	100%	87%	95%	98%	97%	94%	80%	
DCC only	61	64	54	47				54	44	0	3	1.76	1.55	96%	94%	98%	100%	93%	89%	100%	98%	93%	92%	
Faridpur	15	16	23	26				23	26	0	0	3.01	3.79	96%	88%	100%	100%	96%	100%	100%	96%	96%	100%	
Gazipur	18	18	15	21				15	18	0	3	1.70	2.27	100%	95%	100%	100%	93%	95%	100%	95%	100%	67%	
Gopalganj	10	10	24	25				24	24	0	1	4.87	5.46	100%	96%	100%	100%	96%	100%	100%	100%	100%	100%	
Jamalpur	18	19	32	24				32	19	0	5	3.48	2.30	88%	79%	97%	100%	88%	92%	100%	96%	100%	100%	
Kishoreganj	22	22	33	41		2		33	35	0	4	2.99	3.55	88%	93%	100%	100%	94%	90%	100%	100%	97%	88%	
Madaripur	10	10	22	20				22	17	0	3	4.59	3.98	91%	95%	100%	100%	96%	100%	100%	100%	100%	100%	
Manikganj	11	11	17	20				17	16	0	4	3.03	3.19	82%	100%	100%	100%	88%	100%	100%	100%	100%	100%	
Munshiganj	11	11	31	20				31	18	0	2	5.64	3.67	97%	90%	100%	100%	95%	100%	100%	100%	100%	100%	
Mymensingh	39	39	51	45				51	40	0	5	2.63	2.31	80%	91%	98%	100%	84%	96%	100%	98%	100%	100%	
Narayanganj	19	20	16	26				16	23	0	3	1.66	2.64	94%	88%	100%	100%	88%	100%	100%	100%	100%	86%	
Narsingdi	17	17	19	21				19	20	0	1	2.24	2.61	90%	90%	100%	100%	89%	90%	100%	100%	100%	100%	
Netrokona	17	17	26	27				26	26	0	1	3.03	3.37	100%	93%	100%	100%	96%	100%	100%	100%	100%	100%	
Rajbari	8	8	11	21				11	16	0	5	2.65	4.30	100%	86%	100%	100%	90%	100%	100%	100%	100%	33%	
Sariatpur	9	10	26	31				26	29	0	2	5.52	6.87	96%	94%	100%	97%	92%	97%	100%	100%	100%	100%	
Sherpur	11	11	15	21				15	19	0	2	2.74	3.88	100%	86%	93%	95%	100%	90%	100%	100%	100%	100%	
Tangail	28	28	32	36				32	33	0	3	2.30	2.65	91%	92%	100%	100%	91%	97%	100%	100%	100%	100%	
<b>Total-DHAKA</b>	<b>349</b>	<b>357</b>	<b>494</b>	<b>510</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>494</b>	<b>459</b>	<b>0</b>	<b>48</b>	<b>2.83</b>	<b>2.91</b>	<b>92%</b>	<b>92%</b>	<b>99%</b>	<b>100%</b>	<b>92%</b>	<b>94%</b>	<b>100%</b>	<b>99%</b>	<b>98%</b>	<b>92%</b>	
<b>CTG Division</b>																								
Bandarban	3	3	3	4				3	4	0	0	2.19	3.22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Brahmanbaria	21	21	25	35	1			25	29	0	5	2.43	3.16	92%	83%	92%	100%	88%	80%	100%	94%	100%	100%	
Chandpur	20	21	21	23	1			21	22	0	0	2.06	2.37	95%	100%	95%	100%	86%	96%	100%	95%	100%	100%	
Chittagong (non CCC)	38	38	46	31	4			46	25	0	2	2.43	1.48	98%	100%	100%	100%	96%	94%	100%	100%	100%	100%	
CCC only	20	21	22	17				22	15	0	2	2.17	1.62	100%	94%	100%	100%	96%	88%	100%	100%	100%	100%	
Comilla	40	41	50	60				50	58	0	2	2.50	3.23	98%	93%	98%	100%	90%	95%	100%	100%	98%	92%	
Cox's Bazar	16	16	19	25				19	23	0	2	2.39	3.20	90%	100%	100%	100%	89%	96%	100%	96%	100%	100%	
Feni	10	11	26	11				26	11	0	0	4.96	2.34	96%	91%	100%	100%	92%	82%	100%	100%	100%	100%	
Khagrachari	5	5	7	7				7	5	0	2	2.75	2.12	86%	86%	100%	100%	86%	86%	100%	100%	100%	NA	
Lakshimpur	13	13	24	18				24	16	0	2	3.71	2.76	88%	100%	100%	100%	88%	94%	100%	96%	100%		
Noakhali	23	23	43	24	1			43	22	0	1	3.81	2.17	95%	96%	98%	100%	95%	96%	100%	98%	100%	67%	
Rangamati	5	5	7	4				7	3	0	1	2.89	1.36	57%	75%	100%	100%	71%	75%	100%	100%	100%	100%	
<b>Total-CTG</b>	<b>214</b>	<b>218</b>	<b>293</b>	<b>259</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>293</b>	<b>233</b>	<b>0</b>	<b>19</b>	<b>2.74</b>	<b>2.42</b>	<b>94%</b>	<b>94%</b>	<b>98%</b>	<b>100%</b>	<b>91%</b>	<b>92%</b>	<b>100%</b>	<b>99%</b>	<b>99%</b>	<b>94%</b>	
<b>Sylhet Division</b>																								
Habiganj	15	16	14	20		1		14	15	0	4	1.83	2.19	100%	85%	100%	100%	86%	95%	100%	100%	100%	100%	
Moulvi Bazar	14	14	15	15				15	14	0	1	2.11	2.18	100%	93%	100%	100%	93%	100%	100%	100%	100%	75%	
Sunamganj	18	18	14	29				14	26	0	3	1.60	3.30	100%	83%	100%	97%	93%	79%	92%	100%	100%		
Sylhet (non SCC)	19	20	25	35				25	33	0	2	2.57	3.78	100%	97%	100%	100%	88%	91%	100%	100%	100%		
SCC only	4	4	3	2				3	1	0	1	1.57	0.54	100%	100%	100%	100%	100%	100%	100%	100%	100%	NA	
<b>Total-SYL</b>	<b>70</b>	<b>72</b>	<b>71</b>	<b>101</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>71</b>	<b>89</b>	<b>0</b>	<b>11</b>	<b>2.02</b>	<b>2.81</b>	<b>100%</b>	<b>90%</b>	<b>100%</b>	<b>99%</b>	<b>92%</b>	<b>89%</b>	<b>100%</b>	<b>99%</b>	<b>100%</b>	<b>97%</b>	
<b>Raj Division</b>																								
Bogra	26	27	13	26				13	22	0	4	0.99	1.87	85%	92%	100%	100%	92%	92%	100%	96%	100%	40%	
Dinajpur	23	24	27	24				1	27	21	0	2	2.32	2.00	78%	79%	100%	100%	89%	83%	100%	96%	100%	
Gaibandha	18	18	20	17				20	15	0	2	2.19	1.84	90%	82%	100%	100%	90%	76%	90%	94%	100%	100%	
Joypurhat	7	7	13	5	1			13	4	0	0	3.52	1.21	85%	80%	100%	100%	85%	80%	100%	100%	100%		
Kurigram	15	15	16	21				16	20	0	1	2.11	2.95	81%	81%	100%	95%	94%	90%	100%	100%	100%		
Lalmonirhat	10	10	13	12				13	11	0	1	2.68	2.53	85%	83%	100%	100%	77%	92%	100%	100%	100%		
Natore	13	13	13	19				13	18	0	1	2.00	3.09	100%	95%	100%	100%	89%	100%	100%	100%	100%		
Nilphamari	14	14	12	14				12	13	0	1	1.75	2.11	100%	93%	100%	100%	93%	100%	100%	100%	100%		
Noagean	21	21	31	25				31	23	0	2	3.01	2.50	100%	84%	97%	92%	87%	84%	96%	92%	100%		
Nowabganj	13	13	19	18				19	17	0	1	2.99	2.97	90%	89%	100%	100%	84%	94%	100%	100%	100%		
Pabna	19	19	25	18				25	16	0	2	2.66	1.90	100%	94%	100%	100%	94%	100%	100%	100%	100%		
Panchagarh	7	8	11	11				11	10	0	1	2.97	3.00	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Rajshahi (non RCC)	17	17	16	17				16	14	0	3	1.92												

District	Neonatal Tetanus						Measles						AEFI				
	# of case reported by Active Surveillance		# of case reported by Passive Surveillance		# of case Investigated		# of case reported by Active Surveillance		# of case reported by Passive Surveillance		Outbreak*		Number of Outbreak (% Investigated)	# of cases	# of case Reported		
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006			2005	2006	
<b>Dhaka Division</b>																	
Dhaka (non DCC)	4	2	4	2	4	1	28	16	62	34	3(100%)	1(100%)	480	191	31	22	
DCC only	11	5	15	8	11		204	95	241	85	20(100%)	1(100%)	2791	247	7	29	
Faridpur	2	3	5	4	5	3	5	3	58	28	1(100%)	1(100%)	79	24	80	65	
Gazipur	3		3		2		15	22	44	22	1(100%)	1(100%)	79	80	7	4	
Gopalganj	7	2	8	1	7	2	5	31	157	71	3(100%)	1(100%)	144	30	51	29	
Jamalpur			2	2		1	4	3	36	8					17	41	
Kishoreganj	26	11	28	10	16	6	58	21	153	21	8(100%)	1(100%)	431	94	28	39	
Madaripur		2	1	1		2	16	18	183	72	7(100%)	6(100%)	510	690	61	31	
Manikganj	2		1	1		1	3	6	46	98	7(100%)	1(100%)	1211	38	40	20	
Munshiganj	2		5		2		4	2	291	14	3(100%)		175		18	20	
Mymensingh	21	21	12	16	20		22	41	31	206	44	6(100%)		582	82	34	
Narayanganj				1			83	25	84	31	1(100%)		73		31	55	
Narsinghdhi	1	1					22	15	46	15	1(100%)		53		10	28	
Netrokona	2	8	8	9	8	8	6	2	199	67	8(100%)		986		28	41	
Rajbari	1		3		2			4	50	20					8	37	
Shariatpur	3	2	5	1	3	1	6	1	152	32	5(100%)		314		52	27	
Sherpur	3	3	8	9	7	3		1	75	14	1(100%)		146		31	21	
Tangail	4	7	3	6	5	6	15	12	27	22					26	29	
<b>Total-DHAKA</b>	<b>92</b>	<b>67</b>	<b>112</b>	<b>70</b>	<b>92</b>	<b>56</b>	<b>515</b>	<b>308</b>	<b>2110</b>	<b>698</b>	<b>75(100%)</b>	<b>13(100%)</b>	<b>8054</b>	<b>1394</b>	<b>608</b>	<b>572</b>	
<b>CTG Division</b>																	
Bandarban							2	1	8	5					19	13	
Brahmanbaria	9	7	18	7	11	7	2	4	61	13	3(100%)		269		7	13	
Chandpur	4		3		3		7	6	91	16	4(100%)	2(100%)	103	57	44	33	
Chittagong (non CCC)	1	1	7		1		17	17	76	23	1(100%)		17		7	10	
CCC only	8	2	4	3	7	2	78	42	60	42	2(100%)		161		6	14	
Comilla	8	8	6	6	2		9	18	219	69	9(100%)	1(100%)	1045	74	6	10	
Cox's Bazar	7	3	8	8	7	1	7	15	24	22	1(100%)	1(100%)	183	42	8	15	
Feni	2		4	1	2	1	5	1	211	26	5(100%)	1(100%)	412	25	11	15	
Khagrachari							2		29	1					2	8	
Laxmipur	6	13	10	8	6	10	4	11	78	35	2(100%)	1(100%)	41	31	55	20	
Noakhali	7	5	11	5	8	2	27	19	86	18	1(100%)		80		20	5	
Rangamati				1			1	2	53	7					3	2	
<b>Total-CTG</b>	<b>52</b>	<b>39</b>	<b>71</b>	<b>39</b>	<b>47</b>	<b>23</b>	<b>161</b>	<b>136</b>	<b>996</b>	<b>277</b>	<b>28(100%)</b>	<b>6(100%)</b>	<b>2311</b>	<b>229</b>	<b>188</b>	<b>158</b>	
<b>Sylhet Division</b>																	
Habiganj	9	10	12	8	2	2	23		131	28	5(100%)		399		38	20	
Maulvibazar	7	3	7	2	1		27	6	174	25	3(100%)		317		16	42	
Sunamganj	8	15	12	11	6	8	285	21	354	40	2(100%)		730		28	33	
Sylhet (non SCC)	4	3	4	1	6	3	162	27	326	81	4(100%)		204		20	16	
SCC only	1	1	1	2	1		165	20	182	21					1	3	
<b>Total-SYL</b>	<b>29</b>	<b>32</b>	<b>36</b>	<b>23</b>	<b>17</b>	<b>14</b>	<b>662</b>	<b>74</b>	<b>1167</b>	<b>195</b>	<b>14(100%)</b>	<b>0</b>	<b>1650</b>	<b>0</b>	<b>103</b>	<b>114</b>	
<b>Raj Division</b>																	
Bogra	2	4	6	5	3	1	7	5	28	24	2(100%)		75		169	89	
Dinajpur	7	4	8	4	7	4	3	3	18	42	1(100%)		63	209	59	42	
Gaibandha	2	1	5		8				28	4	1(100%)	7(100%)	61	541	44	43	
Joypurhat	1		1		1		4	2	28	20		1(100%)		26	27	18	
Kurigram		1	5	1	7	3		1	14	28		1(100%)		52	21	7	
Lalmonirhat	1		1		1				21	4					2	13	
Natore	4		4		4		16	4	180	39	7(100%)		703		27	89	
Nilphamari	3		1	3	2	2	2	1	10	5					44	61	
Noagoan	4		4		5	1	3	2	114	4	3(100%)		273		42	27	
Nowabganj	6		3		6		6	1	8	1					10	25	
Pabna	2	1	2		2	1	11		42	21					13	11	
Panchagarh	1	2	3	2	2	2		75	3						10	13	
Rajshahi (non RCC)	4	3	6	5	5	3	5	8	12	21	1(100%)	1(100%)	266	223	14	32	
RCC only							14	5	242	207	5(100%)	1(100%)	329	50	47	33	
Rangpur	10	5	8	3	9	6	7	1	7	1	2(100%)		47		31	22	
Sirajganj	1	3	2	4	1	1	4		18	5	1(100%)		127		17	19	
Thakurgaon							18	3	22	3	3(100%)		453		7	25	
<b>Total-RAJ</b>	<b>48</b>	<b>24</b>	<b>59</b>	<b>27</b>	<b>63</b>	<b>24</b>	<b>102</b>	<b>36</b>	<b>867</b>	<b>432</b>	<b>26(100%)</b>	<b>12(100%)</b>	<b>2397</b>	<b>1101</b>	<b>584</b>	<b>569</b>	
<b>Khulna Division</b>																	
Bagerhat	4	2	4		2	1	8	9	305	58	13(100%)	10(100%)	674	480	24	58	
Chuadanga	4	1	6	4	5	1	1	2	24	19		2(100%)		136	38	25	
Jessore	5	8	4	6	3	8	10	39	44	72		1(100%)		60	62	37	
Jhenaidah	2	3	2	2	2	2	3	4	20	13	2(100%)	1(100%)	99	148	37	16	
Khulna (non KCC)	2	1	4	2	2	1	6	2	717	168	14(100%)	2(100%)	918	132	62	44	
KCC only	1		1		1		3	5	127	19	14(100%)	1(100%)	1161	35	11	9	
Kushtia	1	1		1	1	1	4	3	74	14	2(100%)	1(100%)	176	251	16	19	
Magura	1		2	1	1	1	2	3	18	33		1(100%)		50	20	13	
Meherpur	2	1	3	1	2	1	3	4	34	7	1(100%)		108		9	8	
Narail	10	1	9	3	10	1	1	6	22	3	1(100%)		66		15	15	
Satkhira	3	2	3	1	2	2		1	20	14	2(100%)	1(100%)	176	47	39	55	
<b>Total-KHU</b>	<b>35</b>	<b>20</b>	<b>38</b>	<b>21</b>	<b>31</b>	<b>19</b>	<b>41</b>	<b>78</b>	<b>1405</b>	<b>420</b>	<b>49(100%)</b>	<b>20(100%)</b>	<b>3378</b>	<b>1339</b>	<b>333</b>	<b>299</b>	
<b>Barisal Division</b>																	
Barguna		2	1	2			9	5	84	35					5	9	
Barisal (non BCC)	4	7	6	5	2		33	20	72	14	1(100%)		48		18	27	
BCC only	2		1		2		29	13	21	10					1	3	
Bhola	4	1	8	4	6	1	3	2	72	11	1(100%)		108		29	41	
Jhalakhati	3	2	3	3	1	2	24	11	29	11	1(100%)		68		19	18	
Patuakhali	3	3	3	4	2	2	41	28	70	46	3(100%)		331		6	13	
Pirojpur		2	3	1	2		15	2	32	7	5(100%)		665		33	26	
<b>Total-BAR</b>	<b>16</b>	<b>17</b>	<b>25</b>	<b>19</b>	<b>15</b>	<b>5</b>	<b>154</b>	<b>81</b>	<b>380</b>	<b>134</b>	<b>11(100%)</b>	<b>0</b>	<b>1220</b>	<b>0</b>	<b>111</b>	<b>137</b>	
<b>National</b>	<b>272</b>	<b>199</b>	<b>341</b>	<b>199</b>	<b>265</b>	<b>141</b>	<b>1,635</b>	<b>713</b>	<b>6,925</b>	<b>2,156</b>	<b>203(100%)</b>	<b>51(100%)</b>	<b>19,010</b>	<b>4,063</b>	<b>1,927</b>	<b>1,849</b>	

Data as of Epidemiologic Week 46, November 18, 2006. \* Only lab confirmed measles and mixed outbreaks&lt;/div

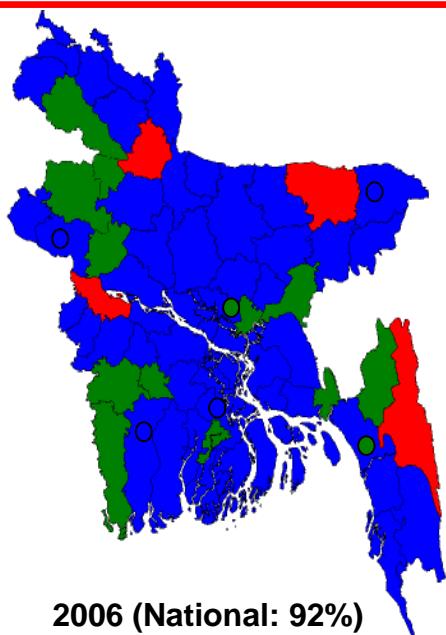
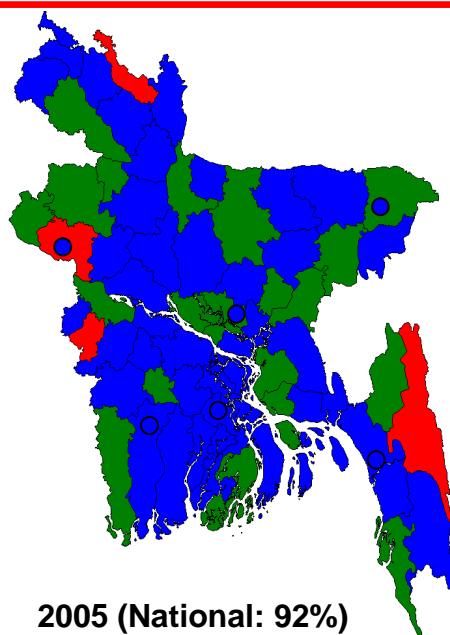
## Annualized Non-Polio AFP Rate, by District, Bangladesh 2005-2006\*



\*Data as of Epidemiologic Week 46, November 18, 2006



## Percentage of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2005-2006\*



\*Data as of Epidemiologic Week 46, November 18, 2006

International Developmental Partners for Polio Eradication in Bangladesh include Centers for Disease Control and Prevention, Atlanta, Governments of Japan, the Netherlands, USAID, Rotary International, U.K. DFID, UN Foundation, UNICEF and WHO