



# EPI Surveillance Bulletin

Epidemiologic Week 41: October 3 - 9, 2004



Vol. 7 No.8

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## No NIDs in 2005; Strengthen Routine- TCG Recommends

10<sup>th</sup> Regional Technical Consultative Group (TCG) meeting for the South East Asian Region took place in July 2004 in New Delhi, India. After complete analysis of the global, regional and country status of polio eradication the TCG has recommended that Bangladesh need not organize any other rounds of National Immunization Days (NIDs) in early 2005. The TCG recommendations have been recently endorsed in the joint meeting of the National Certification Committee (NCCPE) and Expert Review Committee (ERC) of Bangladesh.

The TCG believes that strong routine immunization coverage of OPV3 is the key factor in effort of Bangladesh to maintain its polio free status and in protecting the country from the threat of poliovirus importation. Bangladesh should therefore continue its' efforts to further strengthen routine immunization coverage through implementation of Reach Every District (RED) strategies.

The decision of the TCG regarding discontinuation of NIDs in Bangladesh and instead emphasizing on strong routine EPI coverage is direct recognition of the achievements made by Bangladesh in the field of polio eradication, this is also the reflection of the faith the international community puts in Bangladesh's commitment to achieve strong routine coverage in every district and in every upazila.

EPI takes the opportunity to congratulate each and every individual concerned with polio eradication in general and with past NIDs in particular; the innumerable volunteers working in all the 12 NIDs (600,000 in each round of NIDs!), the field workers from health and family planning, the health managers at upazila, municipality, district and city corporation levels, NGO staff, inter-sectoral partners from all the government, semi-government, autonomous and non-government organizations; and all the developmental partners involved in polio eradication.

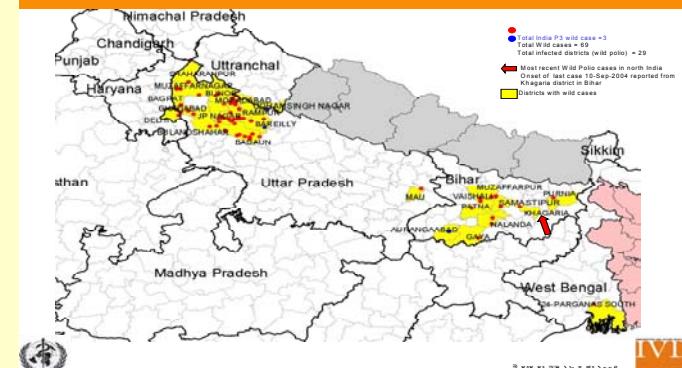
On this occasion EPI also expresses its' gratitude to the Government of Peoples Republic of Bangladesh for its utmost

commitment for eradication of poliomyelitis from this country and for the continued support to the EPI.

EPI also expresses its' optimism that it can rise to the occasion to further strengthen the routine immunization coverage to the level sufficient enough to protect the country against re-emergence of poliomyelitis.

Meanwhile EPI is keeping close watch on the events in our

### Polio, India Bordering Nepal and Bangladesh, 2004



neighboring country, India, which still posses the main threat for importation of poliovirus to Bangladesh. Till October 17, 2004 India has detected 69 wild poliovirus cases, which is the lowest ever reported from India during the same period of time in comparison to the previous years. Most of the cases are concentrated in western UP and only one case has been detected this year in West Bengal. Hopefully, India will reach "zero" case status by the next year and the region will be free from polio.

### Surveillance Summary for 1998-2004 (through Epidemiologic Week 41, October 3 - 9, 2004)

	1998	1999	2000	2001	2002	2003	2004 <sup>1</sup>
Number of AFP cases	475	761	1138	1287	1365	1128	968
No. of clinically confirmed polio cases	298	322	197	NA	NA	NA	NA
No. of compatible cases according to virologic classification system	NA	NA	NA	36	0	0	1
<b>No. of cases with isolation of wild poliovirus</b>	<b>10</b>	<b>29</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
No. of discarded polio cases (i.e., non-polio AFP)	165	439	941	1251	1365	1128	864
No. of cases pending classification	0	0	0	0	0	0	103
Expected annual number of non-polio AFP cases (1/100,000 children <15 yr)	495	505	515	533	549	556	563

### AFP Surveillance Performance Indicators:

Indicator	Target	1998	1999	2000	2001	2002	2003	2004
1. Annual Non-Polio AFP rate in children < 15 years old	≥ 1/100,000	0.33	0.87	1.82	2.34	2.49	2.03	2.20 <sup>2</sup>
2. Completeness of passive reporting from facilities	≥ 90%	34%	66%	83%	65%	62%	67%	80%
3. Timeliness of passive reporting from facilities	≥ 80%	15%	30%	58%	38%	36%	62%	73%
4. Suspected AFP cases investigated within 48 hours of notification	≥ 80%	89%	83%	93%	96%	96%	98%	98%
5. Confirmed AFP cases with 2 stool specimens collected ≤ 14 days after paralysis onset	≥ 80%	59%	49%	68%	80%	89%	90%	91%
6. Stool specimens arriving at laboratory ≤ 3 days after collection	≥ 80%	88%	81%	92%	97%	98%	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%	92%	97%	100%	100%	99%	100%	100%
8. Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset	≥ 80%	80%	97%	95%	93%	99%	100%	95% <sup>3</sup>
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	≥ 80%	16%	58%	94%	99%	100%	100%	98% <sup>4</sup>
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	≥ 10%	5%	13%	21%	29%	28%	23%	22%

<sup>1</sup>Data as of October 9, 2004; <sup>2</sup> NPAFP rate annualized for cases according to August 7, 2004; <sup>3</sup> among cases occurring up to July 10, 2004; <sup>4</sup> as of September 11, 2004

**AFP Surveillance Performance Indicators -- 2004**

Epiweek 41, 2004

District	# Expected non-polio AFP	Total # AFP <sup>1</sup>	Wild polio-virus isolated	# Compatible cases	Non-Polio AFP cases <sup>1</sup>	Pending final classif. <sup>1</sup>	Annualized Non-polio AFP Rate <sup>2</sup> (/1,00,000)	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>3</sup>	
<b>Dhaka Division</b>													
DCC only	36	37			32	5	1.35	89%	100%	87%	100%	80%	
Dhaka (non DCC)	14	27			26	1	2.55	89%	100%	93%	100%	95%	
Faridpur	8	30			26	4	4.06	87%	100%	93%	100%	100%	
Gazipur	9	11			9	2	1.63	91%	100%	100%	100%	100%	
Gopalganj	5	17			15	2	3.90	94%	100%	94%	100%	100%	
Jamalpur	9	10			10	0	1.44	100%	100%	100%	100%	100%	
Kishoreganj	11	27			23	4	3.10	100%	96%	96%	100%	81%	
Madaripur	5	14			14	0	4.55	100%	100%	100%	100%	100%	
Manikganj	6	10			10	0	2.44	90%	100%	90%	100%	100%	
Munshiganj	6	16			14	2	2.44	88%	100%	88%	100%	89%	
Mymensingh	20	24			22	2	1.71	79%	96%	83%	96%	100%	
Narayanganj	9	15			15	0	2.35	93%	100%	93%	100%	100%	
Narsinghdi	8	12			11	1	2.03	83%	100%	83%	100%	100%	
Netrokona	9	13			11	2	1.81	85%	100%	85%	92%	91%	
Rajbari	4	14			14	0	4.47	100%	100%	100%	100%	100%	
Shariatpur	5	20			17	3	5.20	90%	100%	85%	100%	100%	
Sherpur	6	12			10	2	1.90	92%	100%	100%	100%	100%	
Tangail	14	23			20	3	2.21	91%	100%	91%	100%	100%	
<b>Total-DHAKA</b>	<b>184</b>	<b>332</b>	<b>0</b>	<b>0</b>	<b>299</b>	<b>33</b>	<b>2.31</b>	<b>91%</b>	<b>99%</b>	<b>92%</b>	<b>99%</b>	<b>95%</b>	
<b>CTG Division</b>													
CCC only	12	9			9	0	0.95	100%	100%	100%	100%	100%	
Chittagong (non CCC)	20	27			25	2	1.95	96%	100%	93%	100%	95%	
Bandarban	1	3			3	0	4.88	67%	100%	67%	100%	100%	
Brahmanbaria	11	19			19	0	2.66	95%	94%	100%	90%	86%	
Chandpur	10	14			9	5	1.14	93%	100%	79%	100%	86%	
Comilla	20	30			28	2	2.11	97%	100%	97%	97%	92%	
Cox's Bazar	8	13			10	3	1.83	92%	100%	100%	100%	100%	
Feni	5	11			11	0	2.93	73%	100%	91%	100%	100%	
Khagrachari	2	5			5	0	4.06	100%	100%	100%	100%	100%	
Laxmipur	7	23			20	3	4.18	91%	91%	96%	100%	100%	
Noakhali	11	21			18	3	1.92	91%	100%	76%	100%	100%	
Rangamati	2	10			10	0	8.13	80%	90%	90%	100%	100%	
<b>Total-CTG</b>	<b>109</b>	<b>185</b>	<b>0</b>	<b>0</b>	<b>167</b>	<b>18</b>	<b>2.22</b>	<b>92%</b>	<b>98%</b>	<b>92%</b>	<b>98%</b>	<b>95%</b>	
<b>Sylhet Division</b>													
SCC	1	1			1	0	1.63	100%	100%	100%	100%	100%	
Sylhet (non SCC)	10	14			11	3	1.63	79%	100%	86%	100%	100%	
Habiganj	8	10			8	2	1.63	80%	100%	90%	100%	100%	
Maulvibazar	7	11			10	1	2.32	91%	91%	73%	100%	100%	
Sunamganj	9	17			15	2	2.53	100%	100%	100%	100%	86%	
<b>Total-SYL</b>	<b>35</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>8</b>	<b>2.00</b>	<b>89%</b>	<b>98%</b>	<b>89%</b>	<b>100%</b>	<b>95%</b>	
<b>Raj Division</b>													
RCC only	2	1			1	0	0.81	100%	100%	100%	100%	100%	
Rajshahi (non RCC)	8	7			6	1	1.22	86%	100%	86%	100%	100%	
Bogra	13	13			10	3	1.25	85%	100%	100%	100%	100%	
Dinajpur	12	11			10	1	0.95	82%	100%	91%	100%	100%	
Gaibandha	9	15			15	0	1.99	87%	100%	100%	100%	100%	
Joypurhat	4	9			9	0	3.25	100%	100%	100%	100%	100%	
Kurigram	8	11			8	3	1.22	64%	91%	82%	100%	80%	
Lalmonirhat	5	11			11	0	3.25	91%	100%	100%	100%	56%	
Natore	7	6			5	1	1.16	83%	83%	67%	100%	75%	
Nilphamari	7	12			9	3	1.86	83%	100%	100%	100%	100%	
Noagoan	11	14			11	3	1.33	100%	100%	100%	100%	83%	
Nowabganj	6	8			6	2	1.35	75%	100%	75%	100%	100%	
Pabna	10	19			16	3	2.11	100%	100%	90%	100%	88%	
Panchagarh	4	10			9	1	3.25	100%	100%	100%	100%	100%	
Rangpur	11	17			15	2	1.92	100%	94%	100%	100%	100%	
Sirajganj	12	16			12	4	1.22	80%	93%	75%	94%	88%	
Thakurgaon	5	10			10	0	2.93	100%	100%	100%	100%	100%	
<b>Total-RAJ</b>	<b>134</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>163</b>	<b>27</b>	<b>1.67</b>	<b>89%</b>	<b>98%</b>	<b>93%</b>	<b>100%</b>	<b>92%</b>	
<b>Khulna Division</b>													
KCC only	4	6			5	1	1.63	100%	100%	100%	100%	100%	
Khulna (non KCC)	7	12			12	0	2.79	92%	92%	100%	100%	75%	
Bagerhat	7	10			10	0	2.32	90%	100%	100%	100%	100%	
Chuadanga	4	7			7	0	2.44	100%	100%	100%	100%	100%	
Jessore	11	23			21	2	2.81	87%	96%	87%	100%	100%	
Jhenaidah	7	12			12	0	2.32	92%	100%	83%	100%	100%	
Kushtia	7	19			17	2	3.71	90%	100%	90%	100%	100%	
Magura	4	6			5	1	2.03	83%	100%	83%	100%	100%	
Meherpur	3	5			5	0	2.71	100%	100%	100%	100%	100%	
Narail	3	9			1	5	3	2.71	78%	100%	78%	100%	100%
Satkhira	8	15			13	2	2.03	100%	93%	93%	100%	100%	
<b>Total-KHU</b>	<b>65</b>	<b>124</b>	<b>0</b>	<b>1</b>	<b>112</b>	<b>11</b>	<b>2.55</b>	<b>91%</b>	<b>98%</b>	<b>91%</b>	<b>100%</b>	<b>96%</b>	
<b>Barisal Division</b>													
BCC	1	4			4	0	6.50	100%	100%	100%	100%	75%	
Barisal (non BCC)	10	21			21	0	3.25	86%	100%	81%	100%	94%	
Barguna	4	5			5	0	1.63	100%	100%	100%	100%	75%	
Bhola	7	11			10	1	2.32	82%	82%	82%	100%	100%	
Jhalakhati	3	14			13	1	6.50	93%	86%	86%	100%	100%	
Patuakhali	6	14			11	3	2.71	93%	100%	93%	100%	100%	
Pirojpur	5	15			14	1	2.60	100%	100%	100%	100%	100%	
<b>Total_BAR</b>	<b>36</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>6</b>	<b>3.07</b>	<b>92%</b>	<b>95%</b>	<b>89%</b>	<b>100%</b>	<b>95%</b>	
<b>National</b>	<b>563</b>	<b>968</b>	<b>0</b>	<b>1</b>	<b>864</b>	<b>103</b>	<b>2.20</b>	<b>91%</b>	<b>98%</b>	<b>91%</b>	<b>99%</b>	<b>95%</b>	

<sup>1</sup>Data as of Epidemiologic Week 41, October 9, 2004; <sup>2</sup> Non-Polio AFP rate is annualized for cases occurring up to August 7, 2004; <sup>3</sup> for cases occurring up to July 10, 2004

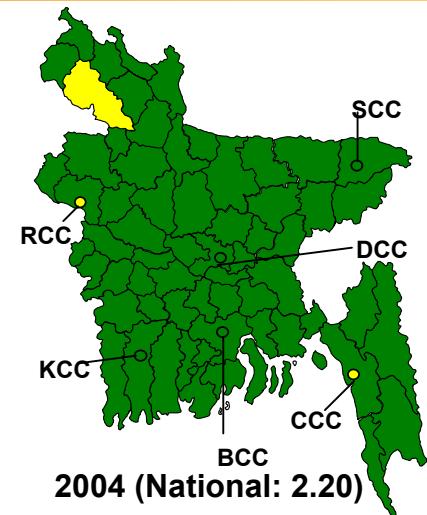
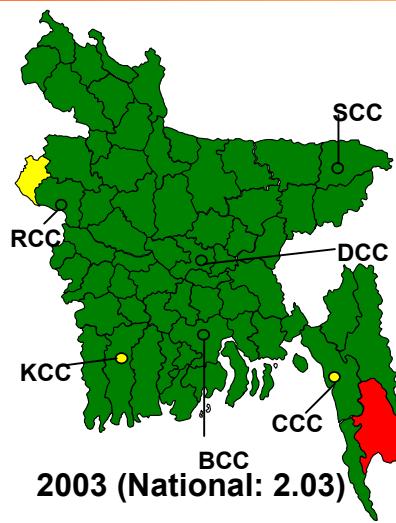
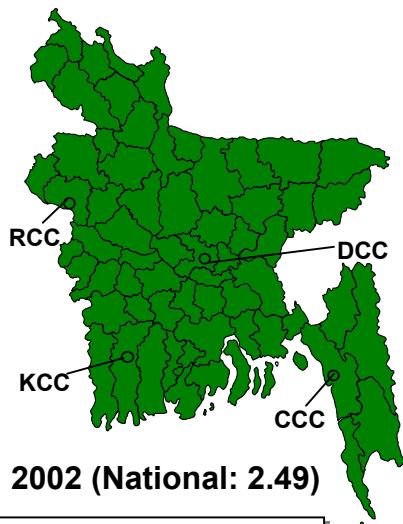
**Disease Surveillance - 2004**

EPI week 41, 2004

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		# of case Reported
						Number of Outbreak (% Investigated)	# of cases	
<b>Dhaka Division</b>								
DCC only	12	8	10	89	87	3 (100%)	228	27
Dhaka (non DCC)	7	8	2	8	35	1 (100%)	328	13
Faridpur	9	5	10	9	51	1 (100%)	27	12
Gazipur	4	1	1	6	15			7
Gopalganj	6	8	10	8	14			14
Jamalpur	4	4	3	14	16	1 (100%)	71	18
Kishoreganj	12	19	11	37	220	4 (100%)	230	32
Madaripur	4	5	4	1	6			2
Manikganj	2	1			2	2 (100%)	404	4
Munshiganj	1	1	1	1	15			17
Mymensingh	14	10	8	29	90	3 (100%)	103	19
Narayanganj	5	5	4	15	17	1 (100%)	51	10
Narsingdi	3	2	1	7	7			3
Netrokona	1	6	2	4	95	1 (100%)	137	29
Rajbari		1		1	39			2
Shariatpur	1	1	1	3	13			25
Sherpur	5	2	3	2	19	1 (100%)	51	18
Tangail	10	9	6	16	39			15
<b>Total-DHAKA</b>	<b>100</b>	<b>96</b>	<b>77</b>	<b>256</b>	<b>780</b>	<b>18 (100%)</b>	<b>1630</b>	<b>267</b>
<b>CTG Division</b>								
CCC only	7	7	4	36	39	1 (100%)	15	5
Chittagong (non CCC)	2	2		9	34	1 (100%)	10	5
Bandarban				10	2	1 (100%)	11	3
Brahmanbaria	17	19	16	4	18	1 (100%)	11	6
Chandpur	1	1	2	11	57	8 (100%)	132	26
Comilla	3	4	4	5	75	3 (100%)	254	5
Cox's Bazar	5	7	5	32	25			8
Feni	2	2	2		24			12
Khagrachari				2	5			1
Laxmipur	7	5	7	3	7	1 (100%)	32	25
Noakhali		1		3	29			4
Rangamati				4	16			
<b>Total-CTG</b>	<b>44</b>	<b>48</b>	<b>40</b>	<b>119</b>	<b>331</b>	<b>16 (100%)</b>	<b>465</b>	<b>100</b>
<b>Sylhet Division</b>								
SCC	3		1	64	53			2
Sylhet (non SCC)	8	4	5	93	272	4 (100%)	388	36
Habiganj	6	6	3	28	87	1 (100%)	67	28
Maulibazar	7	9	2	13	73			18
Sunamganj	13	10	6	114	115	1 (100%)	62	12
<b>Total-SYL</b>	<b>37</b>	<b>29</b>	<b>17</b>	<b>312</b>	<b>600</b>	<b>5 (100%)</b>	<b>517</b>	<b>96</b>
<b>Raj Division</b>								
RCC only		1		2	3			1
Rajshahi (non RCC)	1	2		13	18	1 (100%)	34	3
Bogra	2	2	1	13	24	1 (100%)	74	19
Dinajpur	3	4	4	5	34	7 (100%)	537	23
Gaibandha	1	8	5	3	24	8 (100%)	272	49
Jaypurhat				11	73	2 (100%)	27	8
Kurigram				3	1			14
Lalmirhat		1	1		25			
Natore	4	4	3	6	9			3
Nilphamari	2	1		9	29	1 (100%)	13	15
Noagoan	4	3	3	5	31	2 (100%)	35	6
Nowabganj	2	2	1	7	29			4
Pabna	3	6	2	18	67			25
Panchagarh	2	2		2	40			1
Rangpur	7	5	5	16	11	3 (100%)	172	38
Sirajganj	1			11	38	1 (100%)	172	24
Thakurgaon		1		7	15			9
<b>Total-RAJ</b>	<b>32</b>	<b>42</b>	<b>25</b>	<b>131</b>	<b>471</b>	<b>26 (100%)</b>	<b>1336</b>	<b>242</b>
<b>Khulna Division</b>								
KCC only	1		1	4	11			3
Khulna (non KCC)				2	54	1 (100%)	20	31
Bagerhat	3		3	3	19			3
Chuadanga	1	1	1	1	11			16
Jessore	9	10	4	5	53			20
Jhenaidah	7	7	4	6	17			11
Kushtia	4	3	4	2	5			9
Magura		5		9	54	2 (100%)	132	17
Meherpur			1	4	3			2
Narail	5	5	5	10	13			14
Satkhira	3	3	2		5			11
<b>Total-KHU</b>	<b>33</b>	<b>34</b>	<b>25</b>	<b>46</b>	<b>245</b>	<b>3 (100%)</b>	<b>152</b>	<b>137</b>
<b>Barisal Division</b>								
BCC								
Barisal (non BCC)	4	8		9	36			1
Barguna	1	2		14	75	2 (100%)	48	5
Bhola	2	7	1		3	1 (100%)	58	32
Jhalakhati	2	2	2	2	5			1
Patuakhali	2	3	2	6	68			2
Pirojpur	3	2	3	3	21			8
<b>Total_BAR</b>	<b>14</b>	<b>24</b>	<b>8</b>	<b>34</b>	<b>208</b>	<b>3 (100%)</b>	<b>106</b>	<b>49</b>
<b>National</b>	<b>260</b>	<b>273</b>	<b>192</b>	<b>898</b>	<b>2635</b>	<b>71 (100%)</b>	<b>4206</b>	<b>891</b>

Data as of Epidemiologic Week 41, October 9, 2004

# Annualized Non-Polio AFP Rate, by District, Bangladesh 2002-2004\*



64 of 64 Districts (100%)  
+ 4 CC reached target.

62 of 64 Districts (97%)  
+ 4 CCs reached target.

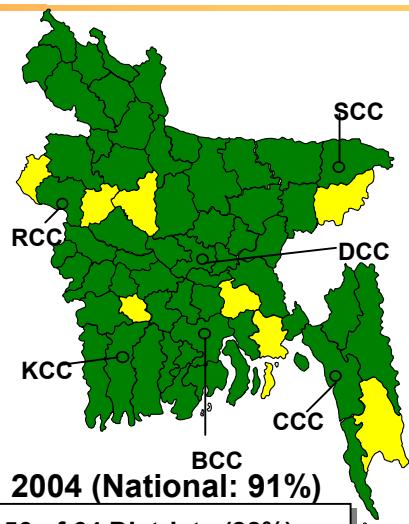
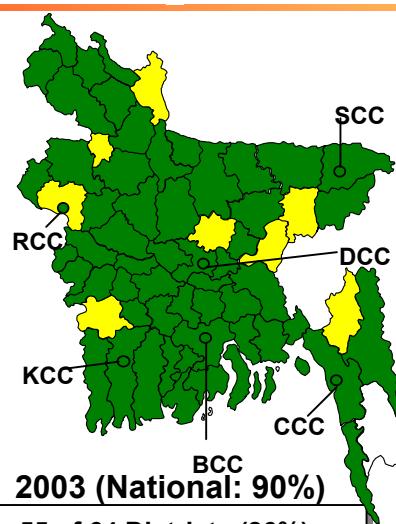
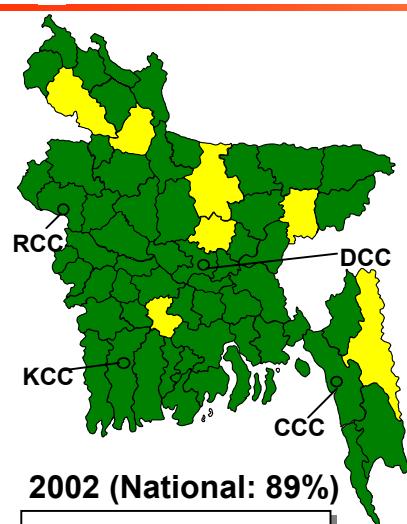
63 of 64 Districts (98%)  
+ 4 CCs reached target.

\*NPAFP rate annualized for cases according to August 7, 2004

Rate per 1,000,000 children <15 years

0.00 – 0.49      0.50 – 0.99      >=1.00 (Target)

## Percent of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2002-2004\*



57 of 64 Districts (89%)  
+ 4 CC reached target.

55 of 64 Districts (86%)  
+ 6 CCs reached target.

56 of 64 Districts (88%)  
+ 6 CCs reached target.

\*Data as of Epidemiologic Week 41, October 9, 2004

Categories

0% – 49%      50% – 79%      >=80% (Target)      No AFP Case