Decision of NSC: Bangladesh to Mark Three Years of Polio Free; 12th NIDs Dates Fixed

On 22 August 2003 Bangladesh reaches an important landmark on the road to polio free status. On this day in 2000, Dolly, a 4 month-old girl from Mirpur of Dhaka City had onset of paralysis caused by poliovirus. Since then our high quality surveillance system has not identified a single case of polio in Bangladesh.

The Government of Bangladesh is planning to utilize this date to recognize the efforts of the millions of NID volunteers, field workers, health managers, government officials, NGOs, developmental partners and public representatives, without whose support polio eradication would never have been achieved. While saluting all for their contribution the Government recognizes the continued threat of importation of poliovirus from India. This threat must not be underestimated as several cases have been found in close proximity of Bangladesh's border districts of Satkhira, Jessore, Kushtia and Thakurgaon. Therefore, in the letter of appreciation addressed to all concerned in polio eradication along with recognition and praise for their work, Honorable Minister of

Picture of Dolly, the last polio victim of Bangladesh Courtesy: M. Dorgabekova

Health and Family Welfare Dr. Khandaker Mosharraf Hossain will urge them to continue their support for polio eradication activities.   These activities include the successful implementation of the 12th NIDs, strengthening of routine EPI and maintaining high level of surveillance through timely reporting of all cases of AFP in children under the age of 15 years. Signing of the letter of appreciation will be followed by a press conference and a talk show to be aired on both the national radio and television.

On 7 August 2003, the National Steering Committee decided to implement the 12th NIDs according to following schedule:

18 January 2004: 12th NIDs 1st round (OPV)
19-22 January: Child-to-Child Search
29 February: 12th NIDs 2nd Round (OPV+ VitA)
1-4 March: Child-to-Child Search.

The 12th NIDs will play a very important role in protecting Polio Free status of Bangladesh and efforts should be made to vaccinate each and every child under 5 years of age in both its' rounds.

EPI takes this opportunity to congratulate the readers of Surveillance Bulletin and all the persons involved directly or indirectly with polio eradication on this occasion and to wish you all a happy continuous polio free Bangladesh!

Shishu Shishu Proti Shishu Khuje Fero Proti Shishu !

Surveillance Summary for 1998-2003 (through Epidemiologic Week 32, August 3-9, 2003)

	1998	1999	2000	2001	2002	2003[1]
Number of AFP cases	475	761	1138	1287	1365	752
No. of clinically confirmed polio cases	298	322	197	NA	NA	NA
No. of compatible cases according to virologic classification system	NA	NA	NA	36	0	0
No. of cases with isolation of wild poliovirus	10	29	1	0	0	0
No. of discarded polio cases (i.e., non-polio AFP)	165	439	941	1251	1365	661
No. of cases pending classification	0	0	0	0	0	91
Expected annual number of non-polio AFP cases (1/100,000 children <15 yr)	495	505	515	533	549	556

AFP Surveillance Performance Indicators:

| Indicator	Target	1998	1999	2000	2001	2002	2003
1. Annual Non-Polio AFP rate in children < 15 years old	≥ 1/100,000	0.33	0.87	1.82	2.35	2.49	2.16[2]
2. Completeness of active reporting from hospitals	≥ 90%	46%	73%	95%	100%	100%	100%
3. Timeliness of active reporting from hospitals	≥ 80%	15%	44%	72%	88%	100%	100%
4. Suspected AFP cases investigated within 48 hours of notification	≥ 80%	89%	83%	93%	96%	96%	97%
5. Confirmed AFP cases with 2 stool specimens collected ≤ 14 days after paralysis onset	≥ 80%	59%	49%	68%	80%	89%	90%
6. Stool specimens arriving at laboratory ≤ 3 days after collection	≥ 80%	88%	81%	92%	97%	98%	100%
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%
8. Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset	≥ 80%	80%	97%	95%	93%	99%	89%[3]
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	≥ 80%	16%	58%	94%	99%	100%	99%[4]
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	≥ 10%	5%	13%	21%	29%	28%	23%

[1] Data as of Aug 9, 2003; [2] NPAFP rate annualized for cases according to Jun 7, 2003; [3] among cases with inadequate stools occurring up to May 10, 2003; [4] as of Jul 11, 2003;

District	# Expected non-polio AFP	Total # AFP[1]	Wild polio-virus isolated	# Compatible cases	Non-Polio AFP cases[1]	Pending final classif.[1]	Annualized Non-polio AFP Rate[2] (/1,00,000)	Notification within 10 d after paralysis onset[1]	Investigation within 48 h after notification[1]	% with 2 stools within 14 days[1]	Stool sample arriving to lab within 72 hrs[1]	# eligible for 60-day follow-up[3]	% with 60-day follow-up[3]
Dhaka Division													
DCC only	37	28			23	5	1.10	85%	100%	93%	100%	2	100%
Dhaka (non DCC)	14	16			13	3	1.45	88%	100%	88%	100%	2	50%
Faridpur	8	24			22	2	5.09	92%	100%	92%	100%	2	100%
Gazipur	9	11			10	1	2.26	82%	100%	91%	100%	1	100%
Gopalganj	5	17			11	6	4.07	94%	100%	94%	100%	1	0%
Jamalpur	9	15			13	2	2.51	73%	93%	80%	100%	3	100%
Kishoreganj	11	27			25	2	3.70	96%	96%	96%	100%	1	100%
Madaripur	5	19			15	4	4.52	79%	100%	79%	100%	2	100%
Manikganj	6	12			9	3	1.88	67%	100%	75%	100%	1	100%
Munshiganj	6	15			15	0	3.77	100%	87%	100%	100%	0	NA
Mymensingh	19	15			11	4	1.07	67%	93%	80%	100%	3	100%
Narayanganj	9	7			6	1	1.00	86%	100%	86%	100%	0	NA
Narsingdhi	8	10			10	0	2.83	90%	100%	100%	100%	0	NA
Netrokona	8	9			9	0	1.98	67%	78%	78%	100%	2	100%
Rajbari	4	3			3	0	1.13	100%	100%	100%	100%	0	NA
Shariatpur	5	15			14	1	5.88	93%	100%	93%	100%	1	100%
Sherpur	5	10			9	1	3.17	90%	100%	100%	100%	0	NA
Tangail	14	20			18	2	2.26	80%	100%	85%	100%	2	100%
Total-DHAKA	*182*	*273*	*0*	*0*	*236*	*37*	*2.26*	*85%*	*97%*	*89%*	*100%*	*23*	*91%*
CTG Division													
CCC only	12	7			6	1	0.57	100%	100%	100%	100%	0	NA
Chittagong (non CCC)	20	26			21	5	1.81	92%	96%	89%	96%	3	67%
Bandarban	1	0			0	0	0.00	NA	NA	NA	NA	0	NA
Brahmanbaria	10	5			4	1	0.90	80%	80%	60%	100%	2	100%
Chandpur	10	20			18	2	3.39	95%	95%	100%	95%	0	NA
Comilla	20	33			31	2	2.83	91%	97%	97%	100%	1	100%
Cox's Bazar	8	9			8	1	1.41	89%	100%	89%	100%	1	100%
Feni	5	6			6	0	1.36	100%	100%	100%	100%	0	NA
Khagrachari	2	6			6	0	5.65	50%	67%	50%	83%	3	100%
Laxmipur	6	12			11	1	3.39	92%	100%	92%	100%	0	NA
Noakhali	11	12			11	1	1.64	83%	100%	92%	100%	1	100%
Rangamati	2	4			4	0	4.52	75%	75%	100%	100%	0	NA
Total-CTG	*107*	*140*	*0*	*0*	*126*	*14*	*2.05*	*89%*	*95%*	*91%*	*98%*	*11*	*91%*
Sylhet Division													
SCC	1	0			0	0	0.00	NA	NA	NA	NA	0	NA
Sylhet (non SCC)	10	11			8	3	0.90	100%	100%	100%	100%	0	NA
Habiganj	8	8			8	0	1.70	88%	88%	88%	100%	1	100%
Maulvibazar	7	10			9	1	2.91	90%	90%	90%	100%	1	0%
Sunamganj	9	10			10	0	1.00	90%	100%	90%	100%	1	100%
Total-SYL	*35*	*39*	*0*	*0*	*35*	*4*	*1.49*	*92%*	*95%*	*92%*	*100%*	*3*	*67%*
Raj Division													
RCC only	2	2			2	0	2.26	100%	100%	100%	100%	0	NA
Rajshahi (non RCC)	8	6			6	0	1.13	100%	100%	83%	100%	1	100%
Bogra	13	13			11	2	1.57	100%	100%	100%	100%	0	NA
Dinajpur	11	12			12	0	2.47	83%	100%	92%	100%	1	100%
Gaibandha	9	10			5	5	1.00	90%	80%	90%	100%	0	NA
Joypurhat	4	5			5	0	2.83	60%	100%	80%	100%	1	100%
Kurigram	8	11			11	0	2.83	82%	100%	64%	100%	4	100%
Lalmonirhat	5	3			2	1	0.90	100%	100%	100%	100%	0	NA
Natore	7	4			3	1	0.65	100%	100%	100%	100%	0	NA
Nilphamari	7	7			4	3	0.65	57%	100%	86%	100%	1	100%
Noagoan	10	15			13	2	2.71	93%	100%	87%	100%	1	100%
Nowabganj	6	4			3	1	1.13	100%	100%	100%	100%	0	NA
Pabna	9	8			7	1	1.76	75%	100%	63%	100%	2	100%
Panchagarh	4	5			3	2	1.70	60%	100%	60%	100%	1	100%
Rangpur	11	5			3	2	0.41	80%	100%	80%	100%	1	0%
Sirajganj	12	9			8	1	1.51	100%	100%	100%	100%	0	NA
Thakurgaon	5	9			8	1	3.62	78%	100%	67%	100%	2	100%
Total-RAJ	*131*	*128*	*0*	*0*	*106*	*22*	*1.64*	*86%*	*98%*	*84%*	*100%*	*15*	*93%*
Khulna Division													
KCC only	5	1			1	0	0.45	100%	100%	100%	100%	0	NA
Khulna (non KCC)	7	7			7	0	1.94	74%	100%	71%	100%	2	100%
Bagerhat	7	6			6	0	1.61	83%	100%	83%	100%	1	100%
Chuadanga	4	7			6	1	2.83	86%	100%	100%	100%	0	NA
Jessore	11	9			9	0	1.85	75%	89%	67%	100%	3	100%
Jhenaidah	7	8			7	1	1.61	100%	100%	100%	100%	0	NA
Kushtia	7	14			11	3	2.26	79%	100%	93%	100%	1	0%
Magura	4	4			4	0	1.13	100%	75%	100%	100%	0	NA
Meherpur	3	1			1	0	0.00	100%	100%	100%	100%	0	NA
Narail	3	2			1	1	0.75	100%	100%	100%	100%	0	NA
Satkhira	8	6			5	1	1.41	83%	100%	100%	100%	0	NA
Total-KHU	*66*	*65*	*0*	*0*	*58*	*7*	*1.58*	*84%*	*97%*	*89%*	*100%*	*7*	*86%*
Barisal Division													
BCC	1	3			3	0	6.78	100%	100%	100%	100%	0	NA
Barisal (non BCC)	9	16			14	2	2.51	93%	88%	94%	100%	1	0%
Barguna	4	18			17	1	7.91	100%	100%	100%	100%	0	NA
Bhola	7	20			19	1	5.17	85%	100%	90%	100%	1	100%
Jhalakhati	3	13			11	2	7.54	92%	92%	100%	100%	0	NA
Patuakhali	6	13			12	1	4.14	92%	100%	92%	100%	1	100%
Pirojpur	5	24			24	0	10.40	100%	100%	100%	100%	0	NA
Total_BAR	*35*	*107*	*0*	*0*	*100*	*7*	*5.62*	*94%*	*97%*	*96%*	*100%*	*3*	*67%*
National	***556***	***752***	***0***	***0***	***661***	***91***	***2.16***	***88%***	***97%***	***90%***	***100%***	***62***	***89%***

[1]Data as of Epidemiologic Week 32, Aug 9, 2003; [2] Non-Polio AFP rate is annualized for cases occurring up to Jun 7, 2003; [3] among cases with inadequate stools occurring up to May 10, 2003;
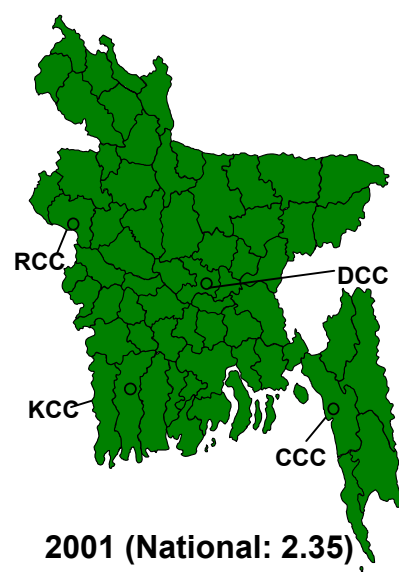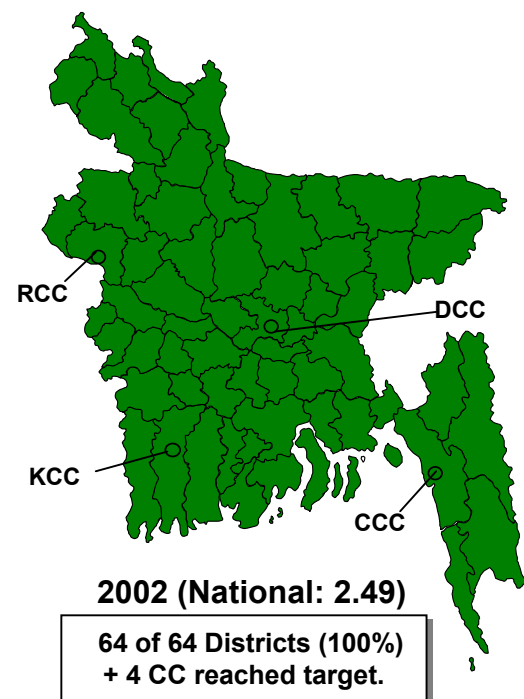
Non-Polio AFP Rate, by District, Bangladesh 1999-2003*

1999 (National: 0.87)
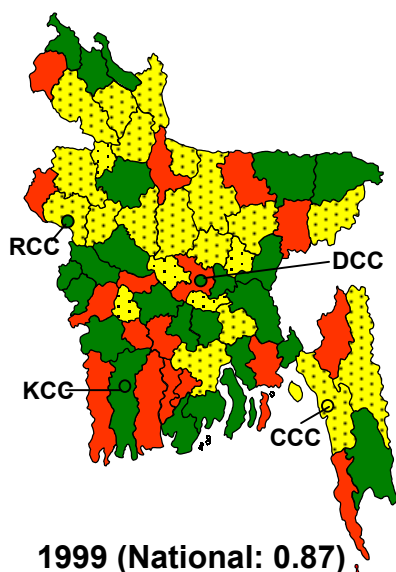
24 of 64 Districts (38%)
+ 3 CC reached target.

2000 (National: 1.82)
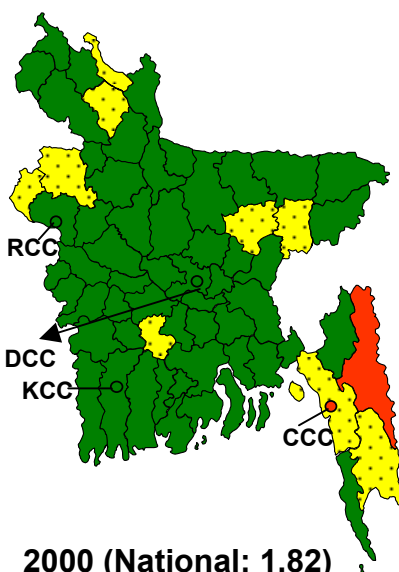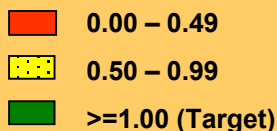
54 of 64 Districts (84%)
+ 3 CC reached target.

2001 (National: 2.35)

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

2002 (National: 2.49)

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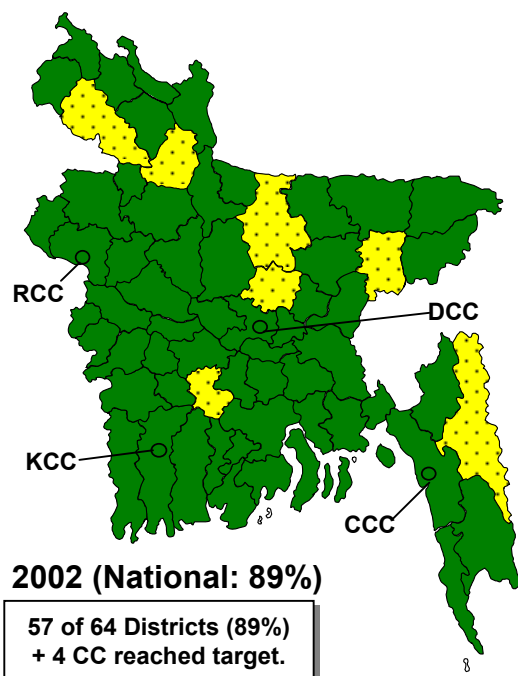+ 4 CC reached target.

2003 (National: 2.16)
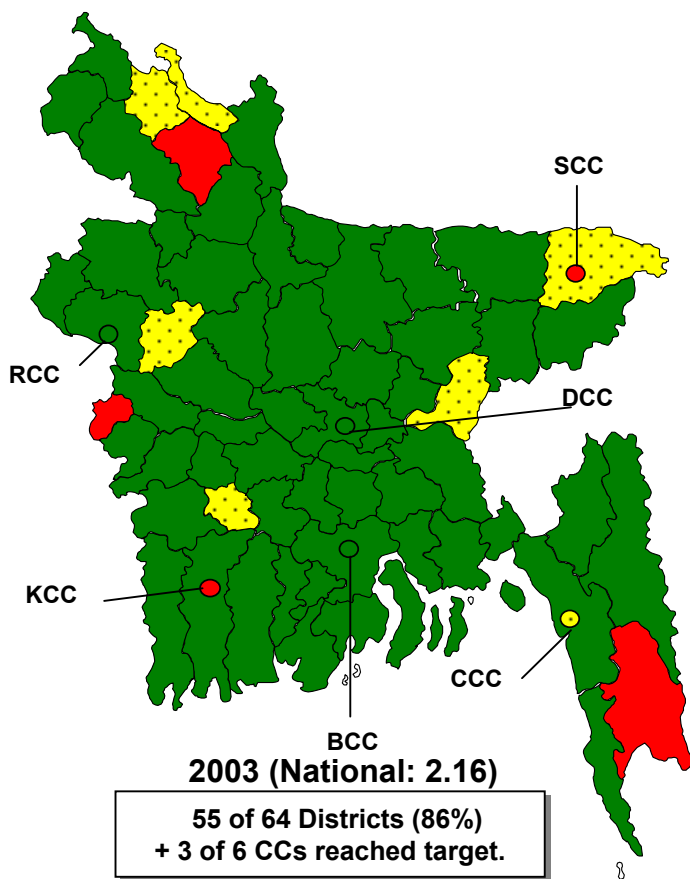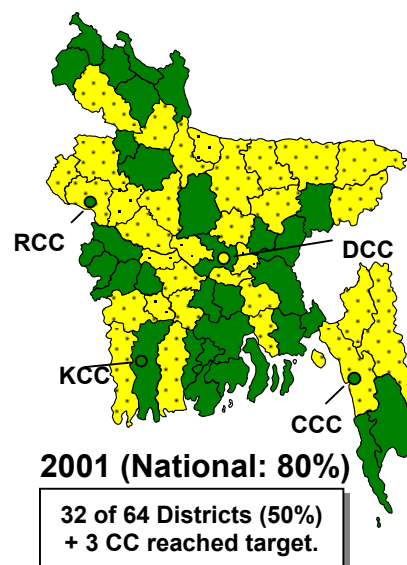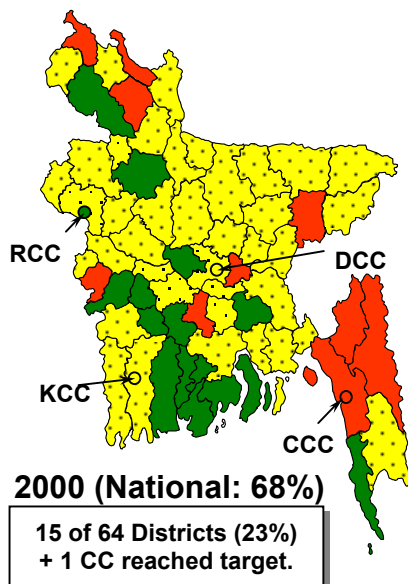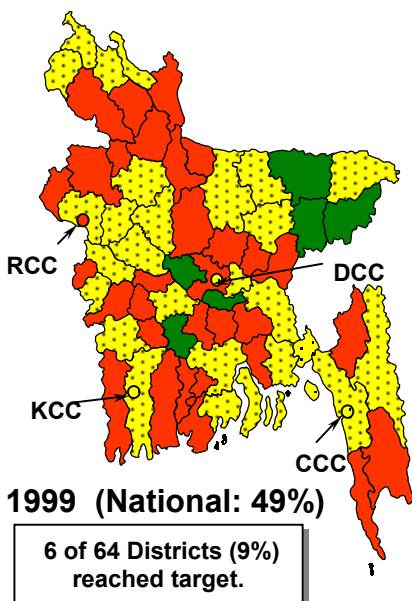
55 of 64 Districts (86%)
+ 3 of 6 CCs reached target.

Rate per 1,00,000 children <15 years

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

*Non-polio AFP rate annualized for cases occurring up to June 7, 2003

Percent of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 1999-2003*

1999 (National: 49%)

6 of 64 Districts (9%) reached target.

2000 (National: 68%)

15 of 64 Districts (23%) + 1 CC reached target.

2001 (National: 80%)

32 of 64 Districts (50%) + 3 CC reached target.

2002 (National: 89%)

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

2003 (National: 90%)

52 of 64 Districts (81%) + 5 of 6 CCs reached target.
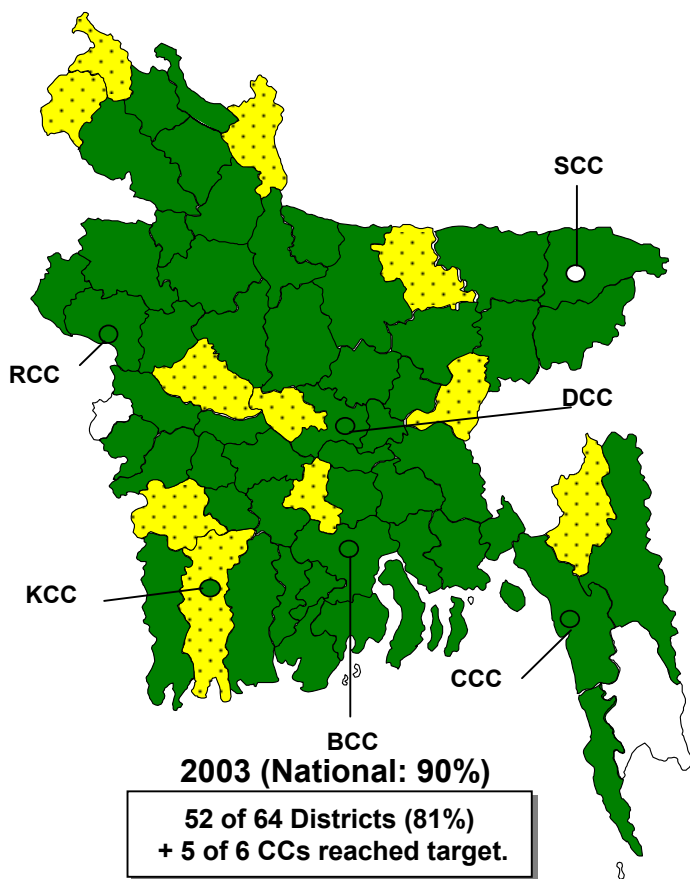
Categories

🟥	0% – 49%
🟨	50% – 79%
🟩	>=80% (Target)
⬜	No AFP Case

*Data as of Epidemiologic Week 32, August 9, 2003