11th NID Dates Rescheduled: Minister for improved Supervision and Monitoring

A meeting of the NID National Steering Committee (NSC) was held at the conference room of the Ministry of Health and Family Welfare on November 9, 2002 with Dr. Khandaker Mosharraf Hossain, the Honorable Minister of Health and Family Welfare in the chair. Status of Polio Eradication globally and in particular, in Bangladesh was discussed at the meeting. The NSC was pleased to learn that no cases have been detected in Bangladesh since August 2000 and the AFP surveillance indicators are being maintained above the certification standard for the last two years. However, the NSC believes that Bangladesh must continue with the high quality surveillance, intensified NIDs, and efforts to improve routine EPI coverage in the face of low routine coverage (OPV3 coverage at the age of one year is 70%) and especially, because of the large threat of importation of wild polio virus from India. This year as of 29 October, 815 wild polio virus cases have been identified in India. Some of those cases are not very far from Chapai-Nawabganj, Dinajpur and Panchagar borders.

The dates of the 11th NIDs were rescheduled by the NSC, because during the previously set dates the union parisad elections are going to be held, which could interfere with the planning and implementation of the NIDs. NSC has decided to hold the 11th NIDs as per the following schedule:

- **1st Round: 30 March 2003 and Child-to-Child Search: 31 March-3 April 2003**
- **2nd Round: 4 May 2003 and Child-to-Child Search: 5-8 May 2003.**

It was decided that high potency Vitamin A (200,000 IU) will be given at the fixed site during first round on 30 March to children 12-59 months old. The concerned managers should not include the weeks beginning 29 March and 3 May 2003 during preparation of their yearly routine EPI session plan to avoid loss of sessions during NIDs.

The Honorable Minister strongly recommended the strengthening of supervision and monitoring for both NIDs and routine EPI and instructed to give emphasis on high quality supervision and monitoring during the NID orientation and planning meetings at all levels.

The NSC acknowledged the importance of monitoring immigration pattern of children under 15 years of age traveling to Bangladesh from India and vice-versa at the border check posts as well as providing an additional dose of OPV to children under 5 years of age irrespective of their vaccination status. The NSC recommended continuing this program and to extended it to include the Zia International Airport.

Shishu Shishu Proti Shishu Khuje Fero Proti Shishu!

Surveillance Summary for 1998-2002 (through Epidemiologic Week 45, November 3 - 9, 2002)

	1998	1999	2000	2001	2002*
Number of AFP cases	475	761	1138	1288	1194
No. of clinically confirmed polio cases	298	322	197	NA	NA
No. of compatible cases according to virologic classification system	NA	NA	NA	36	0
No. of cases with isolation of wild poliovirus	10	29	1	0	0
No. of discarded polio cases (i.e., non-polio AFP)	165	439	941	1252	1050
No. of cases pending classification	0	0	0	0	144
Expected annual number of non-polio AFP cases (1/100,000 children <15 yr)	495	505	515	533	549

AFP Surveillance Performance Indicators:

Indicator	Target	1998	1999	2000	2001	2002
1. Annual Non-Polio AFP rate in children < 15 years old	$\geq 1/100,000$	0.33	0.87	1.82	2.35	2.48**
2. Completeness of active reporting from hospitals	$\geq 90\%$	46%	73%	95%	100%	100%
3. Timeliness of active reporting from hospitals	$\geq 80\%$	15%	44%	72%	88%	100%
4. Suspected AFP cases investigated within 48 hours of notification	$\geq 80\%$	89%	83%	93%	96%	95%
5. Confirmed AFP cases with 2 stool specimens collected ≤ 14 days after paralysis onset	$\geq 80\%$	59%	49%	68%	80%	89%
6. Stool specimens arriving at laboratory ≤ 3 days after collection	$\geq 80\%$	88%	81%	92%	97%	98%
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)	$\geq 90\%$	92%	97%	100%	100%	99%
8. Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset	$\geq 80\%$	80%	97%	95%	93%	93%***
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	$\geq 80\%$	16%	58%	94%	99%	100%****
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	$\geq 10\%$	5%	13%	21%	29%	29%

*Data as of November 9, 2002; **NPAFP rate annualized for cases according to September 7, 2002; *** among cases occurring up to August 1, 2002; **** as of October 12, 2002*
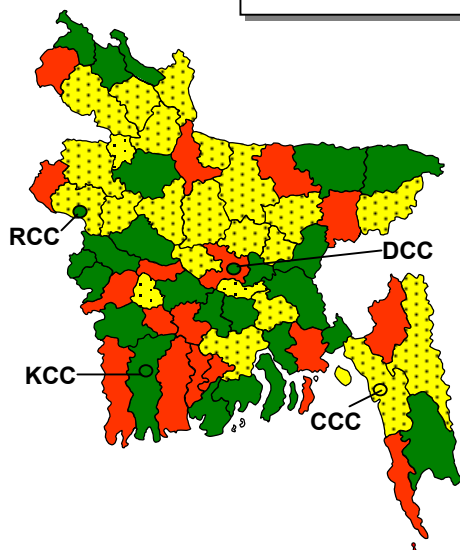
AFP Surveillance Performance Indicators -- 2002

District	# Expected non-polio AFP	Total # AFP1	Wild polio-virus isolated	# Compatible cases	Non-Polio AFP cases[1]	Pending final classif.[1]	Anualized 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	29	58			52	6	2.29	93%	100%	97%	100%	3	67%
Dhaka (non DCC)	12	24			23	1	2.41	100%	96%	100%	88%	0	NA
Faridpur	7	12			12	0	2.06	83%	91%	92%	100%	1	100%
Gazipur	8	7			6	1	1.08	71%	100%	71%	100%	0	NA
Gopalganj	5	10			5	5	1.16	44%	90%	50%	90%	1	0%
Jamalpur	9	19			18	1	2.89	90%	95%	90%	90%	3	100%
Kishoreganj	12	44			37	7	3.85	91%	95%	86%	100%	6	100%
Madaripur	5	11			8	3	2.31	82%	91%	82%	91%	1	100%
Manikganj	6	9			8	1	1.93	100%	100%	89%	100%	1	100%
Munshiganj	6	11			11	0	2.65	100%	91%	91%	100%	1	100%
Mymensingh	20	32			30	2	2.02	81%	94%	72%	100%	8	100%
Narayanganj	9	17			15	2	1.93	82%	100%	82%	100%	4	100%
Narsingdhi	8	25			24	1	4.15	96%	96%	96%	96%	1	100%
Netrokona	9	17			15	2	2.41	94%	100%	88%	100%	1	100%
Rajbari	4	13			12	1	3.97	100%	92%	100%	100%	0	NA
Shariatpur	5	8			7	1	1.44	100%	100%	100%	100%	0	NA
Sherpur	6	9			8	1	1.69	100%	100%	100%	100%	0	NA
Tangail	15	25			22	3	2.02	84%	96%	88%	100%	3	67%
Total-DHAKA	*175*	*351*	*0*	*0*	*313*	*38*	*2.35*	*90%*	*96%*	*89%*	*98%*	*34*	*91%*
CTG Division													
CCC only	9	11			7	4	1.12	91%	100%	91%	100%	1	100%
Chittagong (non CCC)	19	44			39	5	2.74	100%	98%	96%	96%	2	100%
Bandarban	1	3			3	0	2.89	100%	100%	100%	100%	0	NA
Brahmanbaria	11	22			20	2	2.36	77%	96%	77%	91%	4	100%
Chandpur	10	20			16	4	1.88	84%	95%	85%	100%	3	100%
Comilla	21	93			81	12	4.75	94%	96%	94%	96%	4	100%
Cox's Bazar	7	13			13	0	2.68	92%	100%	92%	100%	1	100%
Feni	6	20			18	2	4.09	100%	95%	100%	95%	0	NA
Khagrachari	2	9			9	0	5.78	100%	78%	100%	89%	0	NA
Laxmipur	7	13			12	1	2.27	77%	92%	85%	100%	1	100%
Noakhali	11	24			23	1	2.89	88%	96%	88%	100%	3	67%
Rangamati	2	8			6	2	4.33	50%	88%	63%	88%	2	100%
Total-CTG	*106*	*280*	*0*	*0*	*247*	*33*	*3.03*	*91%*	*95%*	*91%*	*96%*	*21*	*95%*
Sylhet Division													
Sylhet	11	12			11	1	1.44	83%	100%	83%	100%	2	100%
Habiganj	8	8			6	2	1.08	63%	100%	63%	100%	3	100%
Maulvibazar	7	21			18	3	3.30	91%	95%	86%	100%	2	100%
Sunamganj	9	16			11	5	1.77	81%	100%	88%	100%	1	100%
Total-SYL	*35*	*57*	*0*	*0*	*46*	*11*	*1.82*	*83%*	*98%*	*83%*	*100%*	*8*	*100%*
Raj Division													
RCC only	1	6			5	1	5.78	100%	100%	83%	100%	0	NA
Rajshahi (non RCC)	9	14			12	2	1.77	79%	100%	93%	100%	0	NA
Bogra	14	32			31	1	2.58	94%	84%	88%	91%	3	100%
Dinajpur	11	13			9	4	1.05	62%	100%	69%	100%	5	80%
Gaibandha	10	18			13	5	1.59	83%	89%	67%	100%	4	100%
Joypurhat	4	10			9	1	2.53	100%	100%	100%	100%	0	NA
Kurigram	8	18			14	4	2.35	94%	94%	83%	100%	3	100%
Lalmonirhat	5	10			10	0	2.89	70%	100%	80%	100%	2	100%
Naogaon	11	22			20	2	2.36	91%	86%	86%	100%	2	50%
Natore	7	6			6	0	1.24	80%	100%	83%	100%	1	100%
Nawabganj	6	12			10	2	2.17	83%	92%	83%	100%	2	100%
Nilphamari	7	8			7	1	1.24	100%	100%	88%	100%	1	100%
Pabna	10	22			21	1	2.89	91%	86%	91%	100%	2	100%
Panchagarh	3	10			8	2	2.89	90%	80%	90%	100%	0	NA
Rangpur	11	21			17	4	1.84	80%	95%	81%	100%	4	100%
Sirajganj	11	27			25	2	3.15	85%	100%	89%	96%	3	67%
Thakurgaon	5	12			9	3	2.60	83%	100%	92%	100%	1	100%
Total-RAJ	*133*	*261*	*0*	*0*	*226*	*35*	*2.18*	*86%*	*93%*	*85%*	*98%*	*33*	*91%*
Khulna Division													
KCC only	3	16			12	4	4.33	100%	100%	94%	93%	1	100%
Khulna (non KCC)	7	19			19	0	3.51	89%	94%	90%	100%	2	100%
Bagerhat	7	7			7	0	1.44	86%	100%	86%	86%	2	100%
Chuadanga	4	7			7	0	1.81	86%	100%	100%	100%	0	NA
Jessore	11	14			11	3	1.05	100%	100%	86%	100%	3	67%
Jhenaidah	7	9			8	1	1.44	89%	89%	100%	100%	0	NA
Kushtia	8	12			11	1	1.81	92%	100%	100%	100%	0	NA
Magura	4	6			6	0	2.17	83%	100%	83%	100%	1	100%
Meherpur	2	4			4	0	2.89	100%	100%	100%	100%	0	NA
Narail	3	6			6	0	2.89	83%	83%	83%	83%	1	100%
Satkhira	8	15			13	2	2.17	93%	93%	93%	93%	1	100%
Total-KHU	*64*	*115*	*0*	*0*	*104*	*11*	*2.05*	*92%*	*97%*	*92%*	*96%*	*11*	*91%*
Barisal Division													
Barisal	11	25			19	6	2.36	76%	96%	88%	100%	2	100%
Barguna	4	26			24	2	7.22	96%	92%	100%	100%	0	NA
Bhola	7	10			10	0	1.44	100%	100%	100%	100%	0	NA
Jhalakhati	3	24			21	3	9.15	100%	92%	100%	100%	1	100%
Patuakhali	6	15			14	1	3.13	93%	100%	93%	93%	1	100%
Pirojpur	5	30			26	4	6.36	97%	97%	93%	100%	1	100%
Total_BAR	*36*	*130*	*0*	*0*	*114*	*16*	*3.97*	*93%*	*95%*	*95%*	*99%*	*5*	*100%*
National	*549*	*1194*	*0*	*0*	*1050*	*144*	*2.48*	*90%*	*95%*	*89%*	*98%*	*112*	*93%*

[1] Data as of Epidemiologic Week 45, November 9, 2002

[2] Non-polio AFP rate is annualized for cases occuring up to September 7, 2002   [3] 60-day follow-up among cases without 2 adequate stool samples occurring up to August 1, 20

EPI, Directorate General of Health Services, Mohakhali, Dhaka

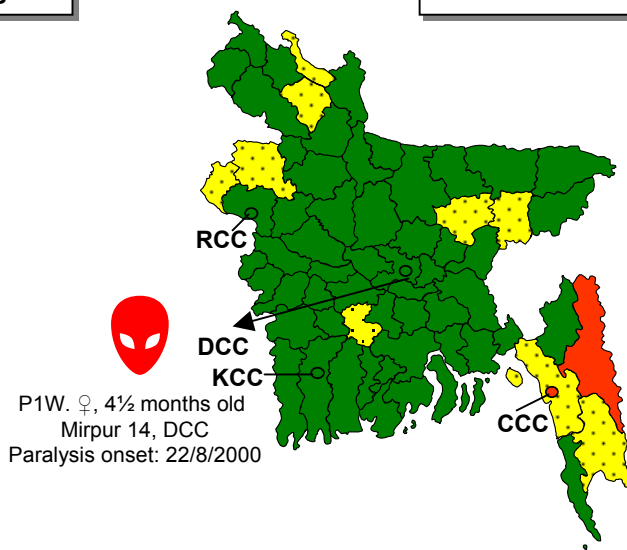# Non-Polio AFP Rate, by District, Bangladesh 1999-2002*

1999 (National: 0.87)

24 of 64 Districts (38%) + 3 CC reached target.

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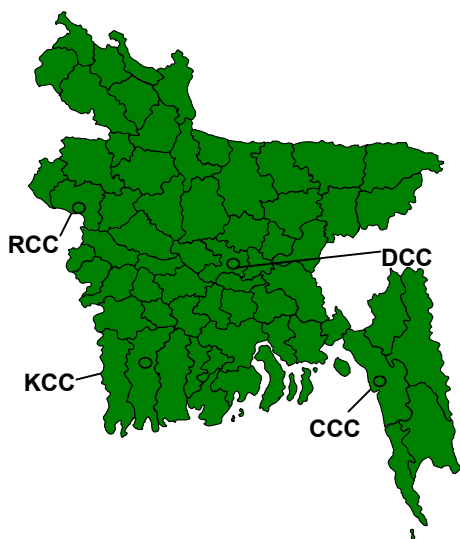
54 of 64 Districts (84%) + 3 CC reached target.

P1W. ♀, 4½ months old
Mirpur 14, DCC
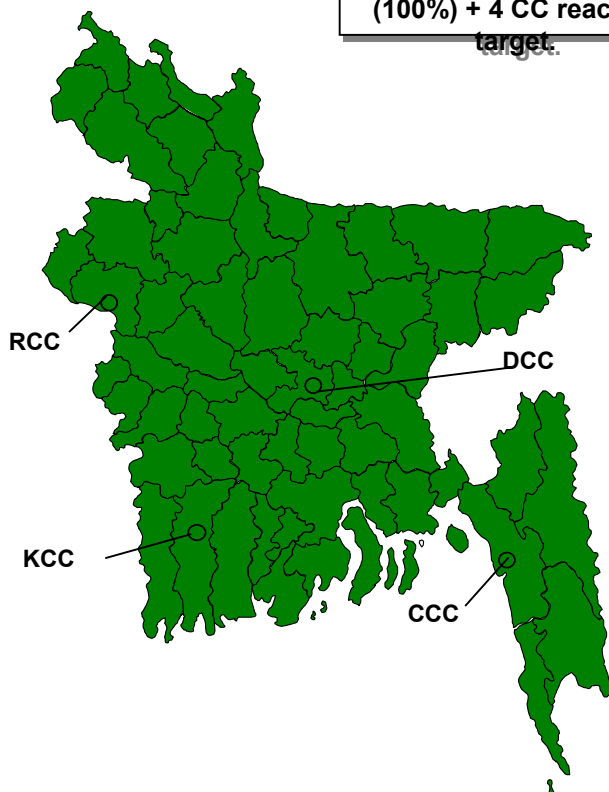Paralysis onset: 22/8/2000

2001 (National: 2.35)

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

2002 (National: 2.48*)
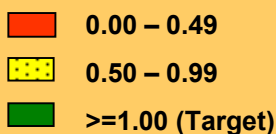
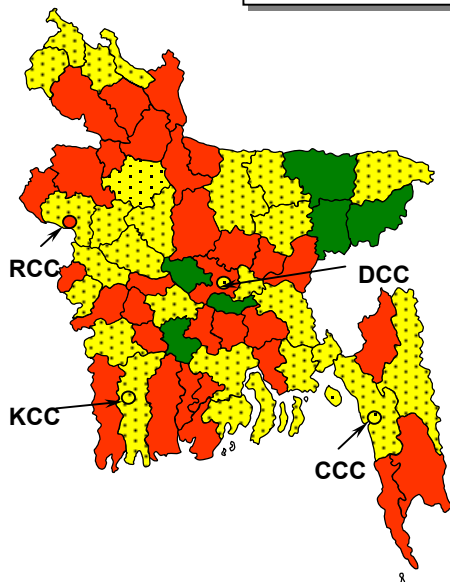64 of 64 Districts (100%) + 4 CC reached target.

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 September 7, 2002

Percent of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 1999-2002*
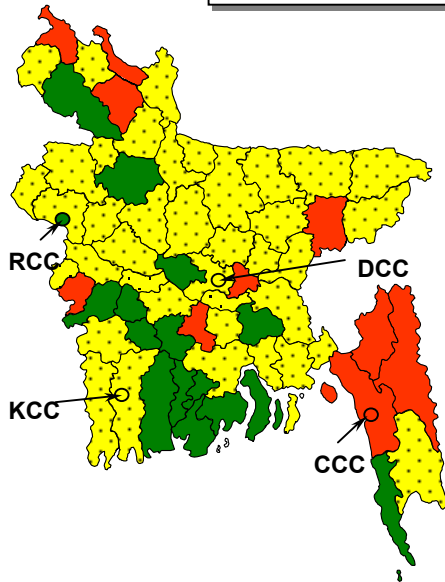
1999 (National: 49%)
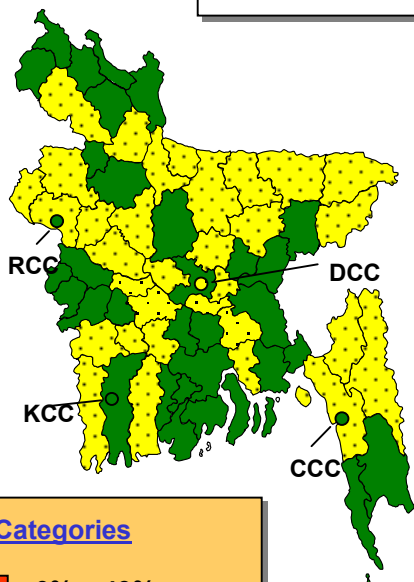
6 of 64 Districts (9%) reached target.

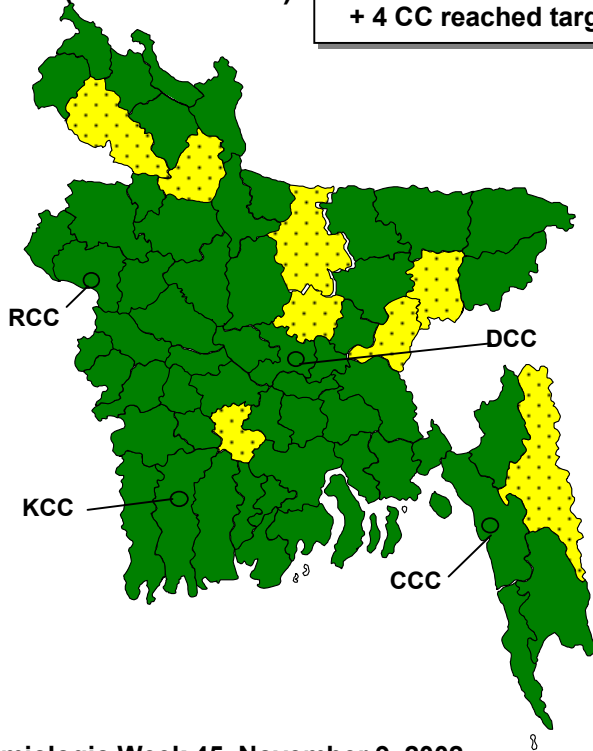**2000 (National: 68%)**

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

RCC, DCC, KCC, CCC

2001 (National: 80%)

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

2002 (National: 89%)

56 of 64 Districts (88%) + 4 CC reached target.

RCC, DCC, KCC, CCC

Categories

- 🟥 0% – 49%
- 🟨 50% – 79%
- 🟩 >=80% (Target)

*Data as of Epidemiologic Week 45, November 9, 2002