More NIDs Needed to Stop Polio Outbreak

As of 1 August 2006 Bangladesh has reported 10 wild polio cases: all these cases followed a single importation of wild poliovirus from West UP, India. The cases have been reported from 7 districts; Kishoregonj, Barisal and Chittagong have reported 2 cases each and other 4 districts namely Chandpur, Joypurhat, Dhaka and Brahmanbaria have reported 1 case each. The last case has been reported from Chittagong with onset of paralysis on 10 June 2006.

In 2006, globally four countries are endemic for polio. These are: India, Nigeria, Pakistan and Afghanistan. As of 15 August Nigeria has reported the highest number of wild polio cases at 671. India has reported 175 cases, Pakistan 13 cases and Afghanistan 25 cases. Although cases in Nigeria are more compared with the same period of last year, most of the cases are confined to the Northern part of the country. In India also more than 85% cases are from Western UP. This year 10 countries have reported wild polio cases due to importation. Indonesia which had reported 303 cases last year has reported only 2 cases this year. Nepal has reported only 1 case this year. The global case load of polio now stands at 970 compared to 1053 for the same period in 2005.
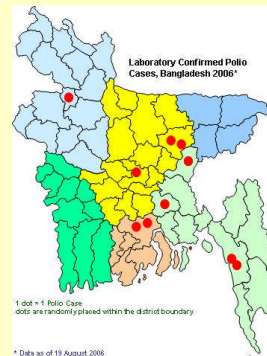
Global and regional experience over past 2-3 years shows that an average of six to seven rounds of NIDs are required to stop an outbreak of polio following importation and it takes on an average 12 months to stop the transmission. Yemen conducted 8 rounds NID and 2 rounds SNID. Somalia did 12 rounds NID and 1 round SNID. Indonesia did 2 initial Mop-ups, then 5 rounds NID and 1 round SNID to control outbreak following importation.

Since the detection of the first case of polio, Bangladesh has conducted four rounds of 13th Special NID as an urgent response. The first round was started very quickly within five weeks of confirmation of the first polio case. As per recommendation of World Health Assembly held in May 2006 monovalent OPV (mOPV) is the vaccine of choice for response to an imported polio outbreak. So, in all four rounds monovalent OPV1 was used to interrupt chain of transmission due to imported polio type 1.

In order to control the outbreak of polio in Bangladesh additional NIDs have been planned. The National Steering Committee on Polio eradication and Measles control in its 5th meeting on 26 July with the Honorable Minister, Ministry of Health & Family Welfare in the chair decided that 2 rounds of 14th NIDs will be conducted in November-December 2006. Four rounds of NIDs, two in first half and two in last half, are planned for 2007. Bangladesh also plans for conducting two rounds of NIDs each year from 2008 onwards till India becomes polio free.

It is evident that more needs to be done in order to make Bangladesh polio free once again. We need to conduct not only multiple rounds of NIDs but also to maintain high quality of the NIDs. Followings are some of the key points to make NIDs a success:
1. To achieve highest possible coverage in NID fixed site social mobilization should be strengthened.
2. To further intensify Child to Child search especially in metropolitan areas.
3. To vaccinate all target children in transit or 'traveling children', special measures should be taken.
4. To implement special strategies to reach the target children in hard to reach areas.

Laboratory Confirmed Polio Cases, Bangladesh 2006*

1 dot = 1 Polio Case
dots are randomly placed within the district boundary

* Data as of 19 August 2006

In addition there is need to track and immunize children at border crossing points, intensify active case search and AFP surveillance for achieving and maintaining the highest surveillance sensitivity, eliminate pockets of un/under immunized children through accelerated implementation of RED strategies and heightening routine immunization activities all over the country.

Once we made this country polio free and maintained the polio free status for more than five years. So, we believe in our hearts that we will be able to stamp polio out of the country once again.

Surveillance Summary for 1999-2006 (through Epidemiologic Week 33, August 13 – 19, 2006)

	1999	2000	2001	2002	2003	2004	2005	2006[1]
Number of AFP cases	761	1138	1287	1365	1128	1301	1458	1069
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	10
No. of discarded polio cases (i.e., non-polio AFP)	439	941	1251	1365	1128	1299	1458	900
No. of cases pending classification	0	0	0	0	0	0	0	158
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	2.55
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%	81%
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%	93%
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%	93%[2]
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	≥ 80%	58%	94%	99%	100%	100%	100%	100%	99%[3]
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	≥ 10%	13%	21%	29%	28%	23%	20%	20%	16%

[1] *Data as of August 19, 2006;* [2] *among cases occurring up to June 5, 2006;* [3] *as of July 22, 2006,* * *Prior to 2005 NPAFP rate calculated as 1/100,000 children.*

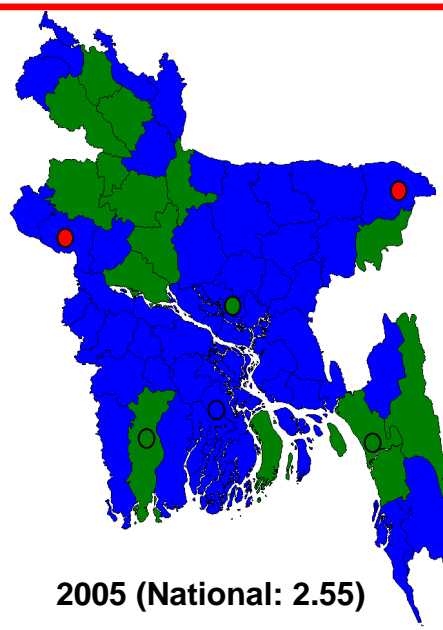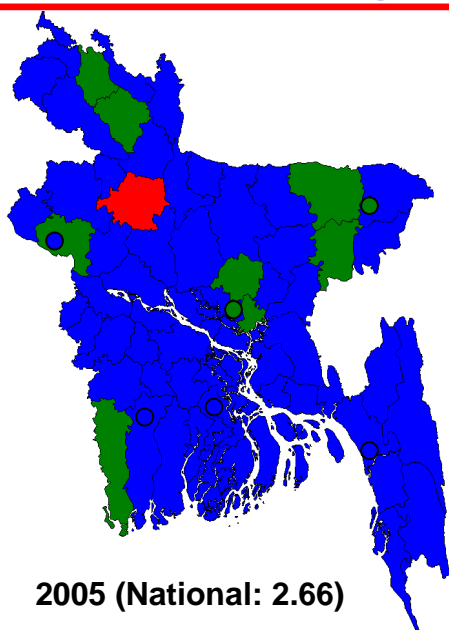## AFP Surveillance Performance Indicators, 2005 - 2006

District	Minimum operational target of 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[1]		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]		% with 60-day follow-up[2]	
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Dhaka Division																								
Dhaka (non DCC)	25	26	47	30		1			47	26	0	3	3.82	3.18	89%	97%	100%	100%	87%	97%	98%	97%	94%	100%
DCC only	61	64	54	35					54	27	0	8	1.76	1.33	96%	91%	98%	100%	93%	89%	100%	97%	93%	55%
Faridpur	15	16	23	21					23	19	0	2	3.01	3.86	96%	86%	100%	100%	96%	100%	100%	100%	96%	75%
Gazipur	18	18	15	14					15	12	0	2	1.70	2.11	90%	93%	100%	100%	93%	93%	93%	93%	100%	70%
Gopalganj	10	10	24	17					24	15	0	2	4.87	4.76	100%	88%	100%	100%	100%	88%	100%	100%	100%	90%
Jamalpur	18	19	32	13					32	10	0	3	3.48	1.69	88%	92%	97%	100%	88%	92%	100%	100%	100%	75%
Kishoreganj	22	22	33	35		2			33	28	0	5	2.99	3.96	88%	94%	100%	100%	94%	94%	100%	100%	97%	81%
Madaripur	10	10	22	12					22	12	0		4.59	3.92	91%	100%	100%	100%	96%	100%	100%	100%	100%	100%
Manikganj	11	11	17	14					17	11	0	3	3.03	3.06	82%	100%	100%	100%	88%	100%	100%	100%	100%	100%
Munshiganj	11	11	31	12					31	10	0	2	5.64	2.84	97%	83%	100%	100%	97%	92%	100%	100%	100%	100%
Mymensingh	39	39	51	38					51	35	0	3	2.63	2.81	80%	95%	98%	100%	84%	100%	100%	100%	100%	100%
Narayanganj	19	20	16	19					16	17	0	2	1.66	2.72	94%	84%	100%	100%	100%	95%	100%	100%	100%	90%
Narsingdhi	17	17	19	17					19	14	0	3	2.24	2.55	90%	94%	100%	100%	89%	94%	100%	100%	100%	90%
Netrokona	17	17	26	21					26	20	0	1	3.03	3.62	100%	90%	100%	100%	96%	95%	100%	100%	100%	100%
Rajbari	8	8	11	10					11	7	0	3	2.65	2.62	100%	80%	100%	100%	100%	90%	100%	100%	100%	86%
Sariatpur	9	10	26	21					26	17	0	4	5.52	5.61	96%	95%	100%	100%	92%	95%	100%	100%	100%	100%
Sherpur	11	11	15	19					15	16	0	3	2.74	4.56	100%	89%	100%	100%	93%	95%	100%	100%	100%	100%
Tangail	28	28	32	31					32	25	0	6	2.30	2.80	91%	94%	100%	100%	91%	100%	100%	100%	100%	93%
Total-DHAKA	*349*	*357*	*494*	*379*	*0*	*3*	*0*	*0*	*494*	*321*	*0*	*55*	*2.83*	*2.83*	*92%*	*92%*	*99%*	*100%*	*92%*	*95%*	*100%*	*99%*	*98%*	*88%*
CTG Division																								
Bandarban	3	3	3	4					3	4	0		2.19	4.49	100%	100%	100%	100%	100%	100%	100%	100%	100%	67%
Brahmanbaria	21	21	25	25		1			25	21	0	3	2.43	3.19	92%	80%	92%	100%	88%	80%	100%	100%	100%	100%
Chandpur	20	21	21	20		1			21	15	0	4	2.06	2.25	95%	95%	95%	100%	86%	90%	100%	100%	95%	90%
Chittagong (non CCC)	38	38	46	26		2			46	21	0	3	2.43	1.73	98%	96%	100%	96%	96%	96%	100%	100%	100%	86%
CCC only	20	21	22	11					22	7	0	4	2.17	1.05	100%	100%	100%	100%	96%	91%	100%	100%	100%	100%
Comilla	40	41	50	51					50	43	0	8	2.50	3.34	98%	90%	98%	100%	90%	92%	100%	100%	98%	97%
Cox's Bazar	16	16	19	17					19	15	0	2	2.39	2.91	90%	100%	100%	100%	89%	94%	100%	94%	100%	91%
Feni	10	11	26	10					26	9	0	1	4.96	2.67	96%	100%	100%	100%	92%	90%	100%	100%	100%	100%
Khagrachari	5	5	7	5					7	5	0		2.75	2.96	86%	100%	100%	100%	86%	100%	100%	100%	100%	25%
Lakshmipur	13	13	24	17					24	14	0	3	3.71	3.37	88%	100%	100%	100%	88%	94%	100%	100%	96%	92%
Noakhali	23	23	43	19					43	17	0	2	3.81	2.34	95%	100%	98%	100%	95%	95%	100%	100%	98%	82%
Rangamati	5	5	7	3					7	3	0		2.89	1.89	57%	100%	100%	100%	71%	100%	100%	100%	100%	100%
Total-CTG	*214*	*218*	*293*	*208*	*0*	*4*	*0*	*0*	*293*	*174*	*0*	*30*	*2.74*	*2.52*	*94%*	*94%*	*98%*	*100%*	*91%*	*92%*	*100%*	*100%*	*99%*	*91%*
Sylhet Division																								
Habiganj	15	16	14	16					14	13	0	3	1.83	2.64	100%	88%	100%	100%	86%	100%	100%	100%	100%	100%
Moulvi Bazar	14	14	15	10					15	9	0	1	2.11	1.96	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Sunamganj	18	18	14	22					14	16	0	6	1.60	2.83	100%	82%	100%	95%	93%	73%	92%	95%	100%	100%
Sylhet (non SCC)	19	20	25	29					25	25	0	4	2.57	3.99	100%	97%	100%	100%	88%	93%	100%	100%	100%	100%
SCC only	4	4	3	1					3	1	0		1.57	0.75	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total-SYL	*70*	*72*	*71*	*78*	*0*	*0*	*0*	*0*	*71*	*64*	*0*	*14*	*2.02*	*2.81*	*100%*	*91%*	*100%*	*99%*	*92%*	*90%*	*100%*	*99%*	*100%*	*100%*
Raj Division																								
Bogra	26	27	13	10					13	9	0	1	0.99	1.06	85%	100%	100%	100%	92%	90%	100%	90%	100%	100%
Dinajpur	23	24	27	17				1	27	12	0	4	2.32	1.60	78%	65%	100%	100%	89%	76%	100%	94%	100%	100%
Gaibandha	18	18	20	12					20	12	0		2.19	2.05	90%	92%	100%	100%	90%	83%	90%	92%	100%	100%
Joypurhat	7	7	13	5		1			13	4	0		3.52	1.69	85%	80%	100%	100%	85%	80%	100%	100%	100%	100%
Kurigram	15	15	16	16					16	13	0	3	2.11	2.67	81%	75%	100%	94%	94%	88%	100%	100%	100%	100%
Lalmonirhat	10	10	13	9					13	7	0	2	2.68	2.24	85%	78%	100%	100%	77%	89%	100%	100%	100%	100%
Natore	13	13	13	14					13	12	0	2	2.00	2.88	100%	93%	100%	100%	100%	86%	100%	100%	100%	75%
Nilphamari	14	14	12	9					12	7	0	2	1.75	1.58	100%	89%	100%	100%	100%	89%	100%	100%	100%	100%
Noagoan	21	21	31	17					31	11	0	6	3.01	1.67	100%	82%	97%	88%	87%	76%	96%	88%	100%	100%
Nowabganj	13	13	19	13					19	13	0		2.99	3.16	90%	85%	100%	100%	84%	92%	100%	100%	100%	100%
Pabna	19	19	25	14					25	10	0	4	2.66	1.66	100%	93%	100%	100%	100%	93%	100%	100%	100%	86%
Panchagharh	7	8	11	5					11	5	0		2.97	2.09	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Rajshahi (non RCC)	17	17	16	12					16	12	0		1.92	2.23	75%	100%	100%	100%	69%	100%	100%	100%	100%	100%
RCC only	3	4	5	2					5	1	0	1	2.88	0.89	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Rangpur	22	23	15	14					15	12	0	2	1.35	1.67	100%	93%	100%	100%	93%	93%	93%	100%	100%	88%
Sirajganj	24	24	25	14					25	9	0	5	2.12	1.18	88%	100%	100%	100%	96%	100%	100%	100%	100%	83%
Thakurgoan	11	11	12	9					12	8	0	1	2.24	2.31	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total-RAJ	*263*	*268*	*286*	*192*	*0*	*1*	*0*	*1*	*286*	*157*	*0*	*33*	*2.17*	*1.85*	*91%*	*88%*	*100%*	*98%*	*91%*	*89%*	*99%*	*97%*	*100%*	*96%*
Khulna Division																								
Bagerhat	13	13	25	16					25	14	0	2	3.89	3.41	100%	100%	96%	100%	100%	88%	100%	94%	100%	100%
Chuadanga	9	9	11	7					11	6	0	1	2.42	2.04	82%	100%	100%	86%	73%	100%	100%	100%	100%	100%
Jessore	22	22	31	19					31	17	0	2	2.85	2.42	97%	74%	100%	100%	94%	79%	100%	100%	100%	100%
Jhenaidah	14	14	18	10					18	10	0		2.62	2.26	94%	90%	100%	100%	94%	90%	100%	100%	100%	100%
Khulna (non KCC)	13	13	15	12					15	8	0	4	2.38	1.99	93%	100%	100%	100%	93%	100%	100%	100%	100%	86%
KCC only	8	8	8	3					8	3	0		2.02	1.17	100%	100%	100%	100%	100%	100%	88%	100%	100%	100%
Kushtia	15	16	19	19					19	18	0	1	2.49	3.66	90%	84%	100%	100%	89%	79%	94%	95%	100%	93%
Magura	7	7	8	8					8	8	0		2.21	3.43	100%	100%	100%	100%	100%	100%	88%	100%	100%	100%
Meherpur	5	5	8	10					8	8	0	2	3.06	4.74	100%	90%	100%	100%	100%	100%	100%	100%	100%	100%
Narail	6	6	11	7					11	6	0		3.74	3.20	91%	100%	100%	100%	91%	100%	82%	100%	100%	100%
Satkhira	16	16	15	20					15	19	0	1	1.86	3.65	87%	85%	93%	100%	87%	85%	100%	90%	100%	100%
Total-KHU	*128*	*129*	*169*	*131*	*0*	*0*	*0*	*0*	*169*	*117*	*0*	*14*	*2.65*	*2.85*	*94%*	*90%*	*98%*	*99%*	*92%*	*89%*	*98%*	*97%*	*100%*	*98%*
Barisal Division																								
Barguna	7	7	25	6					25	5	0	1	6.91	2.16	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%
Barisal (non BCC)	18	18	31	19		2			31	16	0	1	3.46	2.80	90%	100%	100%	100%	94%	97%	100%	100%	100%	100%
BCC only	2	2	5	2					5	2	0		5.02	3.10	100%	100%	100%	100%	100%	100%	100%	100%	100%	NA
Bhola	15	15	28	10					28	9	0	1	3.75	1.87	89%	100%	100%	100%	96%	100%	100%	100%	100%	100%
Jhalakati	6	6	21	13					21	12	0	1	7.23	6.48	95%	85%	100%	100%	95%	85%	100%	100%	100%	100%
Patuakhali	13	13	15	15					15	12	0	3	2.34	2.91	93%	100%	100%	100%	87%	100%	93%	100%	100%	100%
Perojpur	9	9	20	16					20	11	0	5	4.29	3.68	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total_BAR	*70*	*70*	*145*	*81*	*0*	*2*	*0*	*0*	*145*	*67*	*0*	*12*	*4.14*	*2.99*	*95%*	*98%*	*100%*	*100%*	*95%*	*98%*	*99%*	*100%*	*100%*	*100%*
National	*1094*	*1114*	*1458*	*1069*	*0*	*10*	*0*	*1*	*1458*	*900*	*0*	*158*	*2.66*	*2.55*	*93%*	*92%*	*99%*	*99%*	*92%*	*93%*	*99%*	*99%*	*99%*	*93%*

[1] Data as of Epidemiologic Week 33, August 19, 2006, [2] for cases occuring upto June 5, 2006

Disease Surveillance, 2005 - 2006

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			
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Dhaka Division																
Dhaka (non DCC)	4	2	4	2	4	1	28	15	62	30	3(100%)	1(100%)	480	191	31	17
DCC only	11	5	15	7	11		204	87	241	68	20(100%)	1(100%)	2791	247	7	24
Faridpur	2	2	5		5	2	5	3	58	24	1(100%)	1(100%)	79	24	80	48
Gazipur	3		3		2		15	19	44	20	1(100%)	1(100%)	79	80	7	4
Gopalganj	7	2	8		7	1	5	31	157	60	3(100%)	1(100%)	144	30	51	16
Jamalpur			2	2		1	4	2	36	6					17	36
Kishoreganj	26	6	28	5	16	3	58	21	153	21	8(100%)	1(100%)	431	94	28	28
Madaripur		1	1	1		1	16	18	183	66	7(100%)	6(100%)	510	690	61	30
Manikganj	2		1				3	6	46	77	7(100%)	1(100%)	1211	38	40	18
Munshiganj	2		5		2		4	2	291	12	3(100%)		175		18	13
Mymensingh	21	11	12		20	11	41	29	206	21	6(100%)		582		82	30
Narayanganj			1				83	23	84	27	1(100%)		73		31	47
Narsingdhi	1	1					22	15	46	13	1(100%)		53		10	22
Netrokona	2	3	8	5	8	4	6	2	199	65	8(100%)		986		28	32
Rajbari	1		3		2			4	50	13					8	29
Sariatpur	3	1	5	1	3		6	1	152	25	5(100%)		314		52	23
Sherpur	3	3	8	7	7	3		1	75	13	1(100%)		146		31	15
Tangail	4	3	3	2	5	1	15	9	27	19					26	24
Total-DHAKA	92	40	112	32	92	28	515	288	2110	580	75(100%)	13(100)%	8054	1394	608	456
CTG Division																
Bandarban							2	1	8	5					19	13
Brahmanbaria	9	4	18	2	11	3	2	4	61	13	3(100%)		269		7	12
Chandpur	4		3		3		7	6	91	16	4(100%)	2(100%)	103	57	44	29
Chittagong (non CCC)	1	1	7		1		17	16	76	19	1(100%)		17		7	9
CCC only	8	1	4	2	7	2	78	42	60	41	2(100%)		161		6	13
Comilla	8	6	6	2	2		9	18	219	64	9(100%)	1(100%)	1045	74	6	9
Cox's Bazar	7	1	8	7	7	1	7	13	24	21	1(100%)	1(100%)	183	42	8	13
Feni	2		4		2		5	1	211	26	5(100%)	1(100%)	412	25	11	13
Khagrachari							2		29	1					2	6
Lakshmipur	6	11	10	5	6	10	4	11	78	30	2(100%)	1(100%)	41	31	55	20
Noakhali	7	3	11	3	8	2	27	17	86	18	1(100%)		80		20	3
Rangamati							1	2	53	7					3	2
Total-CTG	52	27	71	21	47	18	161	131	996	261	28(100%)	6(100%)	2311	229	188	142
Sylhet Division																
Habiganj	9	5	12	2	2	2	23		131	27	5(100%)		399		38	17
Moulvi Bazar	7	3	7	1	1		27	6	174	15	3(100%)		317		16	36
Sunamganj	8	8	12	7	6	4	285	13	354	24	2(100%)		730		28	28
Sylhet (non SCC)	4		4		6		162	25	326	72	4(100%)		204		20	11
SCC only	1		1		2		165	20	182	21					1	2
Total-SYL	29	16	36	10	17	6	662	64	1167	159	14(100%)	0	1650	0	103	94
Raj Division																
Bogra	2	1	6	2	3		7	4	28	18	2(100%)		75		169	56
Dinajpur	7		8		7		3	3	18	40	1(100%)	1(100%)	63	209	59	36
Gaibandha	2		5		8				28	4	1(100%)	7(100%)	61	541	44	43
Joypurhat	1		1		1		4	2	28	20		1(100%)		26	27	16
Kurigram			5		7			1	14	27		1(100%)		52	21	2
Lalmonirhat	1		1		1				21	4					2	8
Natore	4		4		4		16	2	180	35	7(100%)		703		27	79
Nilphamari	3		1	3	2	2	2	1	10	5					44	55
Noagoan	4		4		5		3	2	114	3	3(100%)		273		42	25
Nowabganj	6		3		6		6	1	8	1					10	22
Pabna	2		2		2		11		42	19					13	7
Panchagharh	1	2	3	1	2	2	2		75	3					10	6
Rajshahi (non RCC)	4		6		5		5	8	12	20	1(100%)	1(100%)	266	223	14	22
RCC only							14	5	242	185	5(100%)	1(100%)	329	50	47	23
Rangpur	10	4	8	1	9	1	7	1	7		2(100%)		47		31	17
Sirajganj	1	2	2	2	1	1	4		18	4	1(100%)		127		17	14
Thakurgoan							18	3	22		3(100%)		453		7	21
Total-RAJ	48	9	59	9	63	6	102	33	867	388	26(100%)	12(100%)	2397	1101	584	452
Khulna Division																
Bagerhat	4		4		2		8	9	305	56	13(100%)	10(100%)	674	480	24	53
Chuadanga	4	1	6	1	5	1	1	1	24	6		2(100%)		136	38	22
Jessore	5	3	4	3	3	3	10	38	44	67		1(100%)		60	62	27
Jhenaidah	2	2	2	2	2		3	4	20	13	2(100%)	1(100%)	99	148	37	15
Khulna (non KCC)	2		4		2		6	2	717	149	14(100%)	2(100%)	918	132	62	35
KCC only	1		1		1		3	5	127	19	14(100%)	1(100%)	1161	35	11	7
Kushtia	1		1	1	1		4	3	74	14	2(100%)	1(100%)	176	251	16	19
Magura	1		2	1	1	1	2	2	18	31		1(100%)		50	20	10
Meherpur	2		3		2		3	4	34	2	1(100%)		108		9	6
Narail	10	1	9	3	10	1	1	5	22	3	1(100%)		66		15	11
Satkhira	3	1	3	1	2	1		1	20	8	2(100%)	1(100%)	176	47	39	42
Total-KHU	35	8	38	12	31	7	41	74	1405	368	49(100%)	20(100%)	3378	1339	333	247
Barisal Division																
Barguna		1	1				9	4	84	33					5	8
Barisal (non BCC)	4	4	6	3	2		33	20	72	13	1(100%)		48		18	18
BCC only	2		1		2		29	13	21	10					1	2
Bhola	4		8	2	6	1	3	2	72	10	1(100%)		108		29	35
Jhalakati	3	1	3	1	1	1	24	11	29	10	1(100%)		68		19	17
Patuakhali	3	2	3	2	2	2	41	26	70	41	3(100%)		331		6	12
Perojpur			3		2		15	2	32	7	5(100%)		665		33	24
Total_BAR	16	8	25	8	15	4	154	78	380	124	11(100%)	0	1220	0	111	116
National	272	108	341	92	265	69	1,635	668	6,925	1,880	203(100%)	51(100%)	19,010	4,063	1,927	1,507

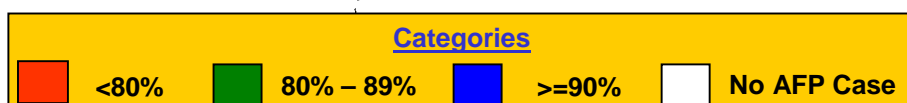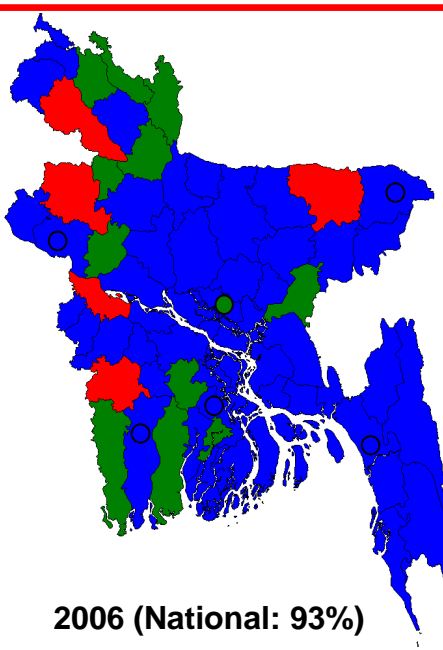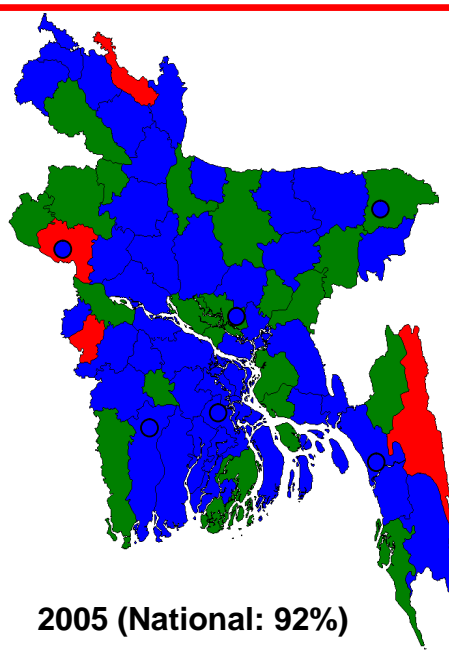Data as of Epidemiologic Week 33, August 19, 2006, * Only lab confirmed measles and mixed outbreaks

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

2005 (National: 2.66)

2005 (National: 2.55)

*Data as of Epidemiologic Week 33, August 19, 2006

Rate per 100,000 children <15 years		
<1.00	1.00 – 1.99	>=2.00
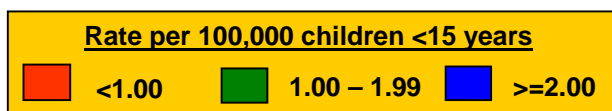
Percentage of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2005-2006*

2005 (National: 92%)

2006 (National: 93%)

Categories			
<80%	80% – 89%	>=90%	No AFP Case

*Data as of Epidemiologic Week 33, August 19, 2006