



EPI Surveillance Bulletin

Epidemiologic Week 34: August 14 – 20, 2005

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First Phase of Measles Catch-up Campaign-On Its Way

The first phase of Measles Catch-up campaign will be conducted in all upazilas and municipalities of Bogra and Rajshahi districts and Rajshahi City Corporation. The campaign will start on 3 September and continue until 22 September. The second phase will be conducted in rest of the country in February 2006. The target of the campaign is 35 million children aged 9 months to below 10 years.

Following 2 days' national Training of the Trainers (TOT), the national trainers facilitated District and City Corporation planning meetings and TOTs. Now a series of trainings along with micro planning at different levels and advocacy meetings with different stakeholders will be done through out the month of August. The training for supervisor and vaccinator and micro planning at upazila/municipality/CC level will be conducted from 6 to 26 August. Volunteers will be trained at ward level during 8 to 27 August. AEFI management training at Medical college and UHC will be conducted during 15 to 25 August. These trainings will also be facilitated and supervised by Medical Officers from EPI-HQ as well as consultants from WHO and UNICEF to ensure high quality. Advocacy meetings among others include a meeting with national and district BMA, a meeting with leaders of teachers and head teachers of all primary schools at City Corporation, district and upazila, a meeting with district and upazila level education officers, a meeting with heads of concerned government sectors and non government organizations at district and upazila level. Besides these, there will be National Press conference during 29 August to 1 September. Concurrently there will be also press conference at district and CC level.

As far as the logistics are concerned vaccine carriers and printed materials have been distributed to upazila and districts. Vaccine distribution will be completed by third week of August. Fund distribution is on its way and is expected to be completed by mid August.

During this campaign targeted children will be vaccinated with measles irrespective of their previous vaccination status. All children attending schools and any other kinds of educational institute will be vaccinated in their respected educational institutes during the first week of the campaign. Other children will be vaccinated in the regular EPI sites during the subsequent two weeks. There will be one session for measles

campaign in each routine EPI site during this two week period so that routine EPI is not hampered and can run as per annual plan.

EPI is on the verge of implementing the biggest public health event ever held in Bangladesh. The first phase will be the testimony of our potentials to conduct such a large event across the whole country next year. We need to put all our efforts to make it a success.

NT Campaign-1st Phase Ended in A Success

The 1st phase of national NT campaign-2005 was conducted in May and June in two rounds in 330 unions, 7 municipalities in 30 districts and 3 City Corporations. Independent observers identified some strengths of the first round. These are: • quality micro planning • very high volunteer participation • no shortage of vaccine and logistics • appropriate screening of the women for eligibility • satisfactory cold chain management • high turn out of unmarried girls • well marked NGO participation particularly in urban areas • relatively lower ration of women receiving TT1. They also identified some weaknesses. These are: • registration not completed in some areas, target not specified• vaccines not supplied as per target in some places • conditioning of ice packs not done in some places • recapping found in at least 19% sites • ice pack found outside in 9% sites • safety box not available in 1.7% sites supervision was not adequate in some places • mosque miking was inadequate in most of the places.

However, during second phase utmost care was given to improve the over all quality and competency of the work force. At present the administrative report of both round coverage is at hand. It is seen that the national coverage of all doses of TT for the 1st round is 83% and for the 2nd round is 84%. For all doses of TT, the divisional coverage ranges from 77% to 93% in 1st round and 82% to 94% in 2nd round. Barisal has the highest coverage in both rounds for all doses of TT followed by Chittagong division. Rajshahi is the third and Khulna is the fourth while Dhaka is the fifth in 1st round. Khulna and Rajshahi both are the third in 2nd round. Dhaka shares the last position along with Sylhet in 2nd round. The coverage of Sylhet division is the lowest in both rounds.

Surveillance Summary for 1999-2005 (through Epidemiologic Week 34, August 14-20, 2005)

	1999	2000	2001	2002	2003	2004	2005 ¹
Number of AFP cases	761	1138	1287	1365	1128	1301	941
No. of clinically confirmed polio cases	322	197	NA	NA	NA	NA	NA
No. of compatible cases according to virologic classification system	NA	NA	36	0	0	2	0
No. of cases with isolation of wild poliovirus	29	1	0	0	0	0	0
No. of discarded polio cases (i.e., non-polio AFP)	439	941	1251	1365	1128	1299	838
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)	505	515	533	549	556	563	579

AFP Surveillance Performance Indicators:

Indicator	Target	1999	2000	2001	2002	2003	2004	2005
1. Annual Non-Polio AFP rate in children < 15 years old	≥ 1/100,000*	0.87	1.82	2.34	2.49	2.03	2.31	2.63 ²
2. Completeness of passive reporting from facilities	≥ 90%	66%	83%	65%	62%	67%	82%	90%
3. Timeliness of passive reporting from facilities	≥ 80%	30%	58%	38%	36%	62%	75%	81%
4. Suspected AFP cases investigated within 48 hours of notification	≥ 80%	83%	93%	96%	96%	98%	98%	99%
5. Confirmed AFP cases with 2 stool specimens collected ≤ 14 days after paralysis onset	≥ 80%	49%	68%	80%	89%	90%	90%	92%
6. Stool specimens arriving at laboratory ≤ 3 days after collection	≥ 80%	81%	92%	97%	98%	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%
8. Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset	≥ 80%	97%	95%	93%	99%	100%	98%	96% ³
9. Stool specimens with laboratory results ≤ 28 days after specimen receipt	≥ 80%	58%	94%	99%	100%	100%	100%	98% ⁴
10. Stool specimens from which non-polio enterovirus (NPEV) was isolated	≥ 10%	13%	21%	29%	28%	23%	20%	22%

¹Data as of August 20, 2005; ² NPAFP rate annualized for cases according to June 18, 2005; ³ among cases occurring up to June 6, 2005; ⁴ as of July 23, 2005 *From April 2005, 2/100,000

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AFP Surveillance Performance Indicators - 2005

Epiweek 34, 2005

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	% with 60-day follow-up ³
Dhaka Division												
DCC only	31	38			33	5	1.95	97%	100%	90%	100%	85%
Dhaka (non DCC)	13	25			22	3	3.36	92%	100%	88%	100%	91%
Faridpur	8	18			17	1	4.16	94%	100%	94%	100%	94%
Gazipur	9	12			11	1	1.85	100%	100%	100%	100%	86%
Gopalganj	5	12			10	2	2.91	100%	100%	100%	100%	100%
Jamalpur	10	18			16	2	3.12	89%	100%	89%	100%	100%
Kishoreganj	12	19			19	0	3.12	95%	100%	95%	100%	94%
Madaripur	5	16			15	1	5.82	88%	100%	94%	100%	100%
Manikganj	6	11			9	2	2.77	82%	100%	82%	100%	100%
Munshiganj	6	22			22	0	6.59	100%	100%	100%	100%	100%
Mymensingh	20	27			19	8	1.66	78%	100%	82%	100%	87%
Narayanganj	10	9			9	0	1.87	100%	100%	100%	100%	100%
Narsingdhi	9	15			12	3	2.77	87%	100%	87%	100%	100%
Netrokona	9	16			15	1	3.24	100%	100%	94%	100%	100%
Rajbari	5	8			8	0	3.33	100%	100%	100%	100%	100%
Shariatpur	5	17			15	2	5.82	100%	94%	94%	100%	93%
Sherpur	6	10			10	0	2.08	100%	100%	100%	100%	80%
Tangail	14	16			14	2	1.49	100%	100%	100%	100%	100%
Total-DHAKA	183	309	0	0	276	33	2.77	94%	100%	93%	100%	94%
CTG Division												
CCC only	11	16			14	2	2.27	100%	100%	94%	100%	91%
Chittagong (non CCC)	19	30			30	0	2.63	100%	100%	97%	100%	92%
Bandarban	2	1			1	0	1.04	100%	100%	100%	100%	100%
Brahmanbaria	11	20			14	6	1.51	90%	90%	85%	100%	71%
Chandpur	11	10			9	1	1.32	100%	90%	90%	100%	83%
Comilla	21	20			15	5	1.39	95%	95%	85%	100%	93%
Cox's Bazar	8	11			10	1	2.34	91%	100%	91%	100%	100%
Feni	6	21			16	5	4.51	95%	100%	91%	100%	100%
Khagrachari	3	6			6	0	3.47	100%	100%	100%	100%	80%
Laxmipur	7	14			13	1	3.57	92%	100%	93%	100%	100%
Noakhali	12	31			29	2	4.16	97%	100%	97%	100%	96%
Rangamati	3	4			4	0	2.08	75%	100%	75%	100%	33%
Total-CTG	114	184	0	0	161	23	2.41	96%	98%	92%	100%	92%
Sylhet Division												
SCC	2	3			3	0	1.04	100%	100%	100%	100%	100%
Sylhet (non SCC)	10	17			12	5	2.50	94%	100%	94%	100%	100%
Habiganj	8	8			7	1	1.82	63%	100%	88%	100%	100%
Maulvibazar	8	6			6	0	1.30	100%	100%	100%	100%	100%
Sunamganj	9	7			6	1	0.69	100%	100%	86%	83%	100%
Total-SYL	37	41	0	0	34	7	1.57	90%	100%	93%	98%	100%
Raj Division												
RCC only	2	4			3	1	3.12	100%	100%	100%	100%	100%
Rajshahi (non RCC)	9	11			9	2	2.08	64%	100%	55%	100%	100%
Bogra	14	8			6	2	0.74	88%	100%	88%	100%	100%
Dinajpur	12	14			12	2	1.91	93%	100%	93%	100%	100%
Gaibandha	10	15			14	1	2.91	93%	100%	87%	86%	100%
Joypurhat	4	11			10	1	5.20	82%	100%	91%	100%	100%
Kurigram	8	10			8	2	1.30	70%	100%	90%	100%	100%
Lalmonirhat	5	9			8	1	2.91	89%	100%	89%	100%	100%
Natore	7	9			8	1	2.38	100%	100%	100%	100%	88%
Nilphamari	7	8			8	0	2.08	100%	100%	100%	100%	100%
Noagoan	11	23			23	0	3.59	100%	96%	87%	95%	100%
Nowabganj	7	11			8	3	2.38	91%	100%	91%	100%	100%
Pabna	10	16			14	2	2.29	100%	100%	100%	100%	90%
Panchagarh	4	6			6	0	2.08	100%	100%	100%	100%	100%
Rangpur	12	10			8	2	1.04	90%	100%	80%	89%	100%
Sirajganj	12	13			13	0	2.08	92%	100%	92%	100%	100%
Thakurgaon	6	6			6	0	2.08	100%	100%	100%	100%	100%
Total-RAJ	140	184	0	0	164	20	2.15	91%	100%	90%	98%	99%
Khulna Division												
KCC only	4	2			2	0	1.04	100%	100%	100%	50%	100%
Khulna (non KCC)	7	10			10	0	2.97	90%	100%	90%	100%	100%
Bagerhat	7	18			17	1	4.46	100%	94%	100%	100%	100%
Chuadanga	5	8			7	1	2.91	75%	100%	63%	100%	100%
Jessore	11	23			18	5	3.40	96%	100%	91%	100%	100%
Jhenaidah	7	14			13	1	3.27	93%	100%	93%	100%	100%
Kushthia	8	10			9	1	2.08	80%	100%	80%	100%	100%
Magura	4	7			6	1	3.12	100%	100%	100%	86%	100%
Meherpur	3	4			4	0	2.08	100%	100%	100%	100%	100%
Narail	3	7			6	1	3.47	86%	86%	71%	100%	100%
Satkhira	9	12			10	2	2.31	83%	91%	83%	100%	100%
Total-KHU	68	115	0	0	102	13	2.91	91%	97%	89%	98%	100%
Barisal Division												
BCC	1	3			1	2	2.08	100%	100%	100%	67%	100%
Barisal (non BCC)	9	26			23	3	4.16	96%	100%	100%	96%	94%
Barguna	4	17			17	0	8.32	100%	100%	100%	100%	80%
Bhola	8	23			23	0	5.72	87%	100%	96%	100%	100%
Jhalakhati	3	13			13	0	8.32	100%	100%	100%	100%	92%
Patuakhali	7	11			9	2	2.08	91%	100%	82%	100%	100%
Pirojpur	5	15			15	0	5.41	100%	100%	100%	100%	100%
Total_BAR	37	108	0	0	101	7	5.00	95%	100%	97%	98%	94%
National	579	941	0	0	838	103	2.63	93%	99%	92%	99%	96%

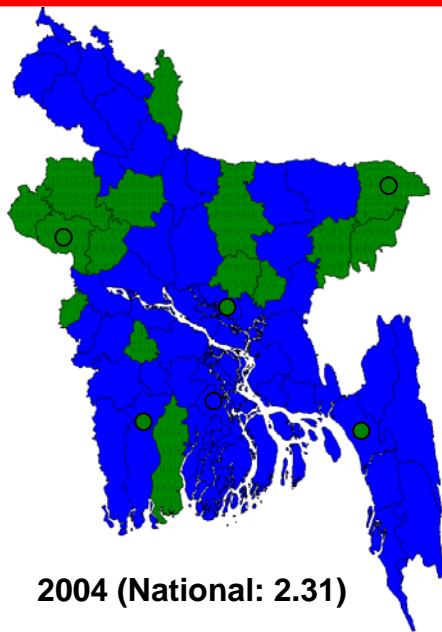
¹Data as of Epidemiologic Week 34 August 20, 2005, ² Non-Polio AFP Rate is annualized for cases occurring up to June 18, 2005, ³ for cases occurring up to June 6, 2005

Disease Surveillance - 2005

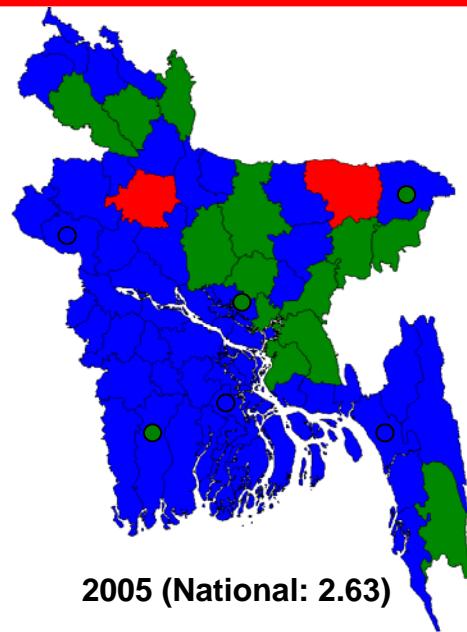
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District	Neonatal Tetanus			Measles			AEFI # of case Reported	
	# of case reported by Active Surveillance	# of case reported by Passive Surveillance	# of case Investigated	# of case reported by Active Surveillance	# of case reported by Passive Surveillance	Outbreak		
						Number of Outbreak % Investigated)		
Dhaka Division								
DCC only	6	8	6	149	159	23(100%)	3219 1	
Dhaka (non DCC)	3	1	2	14	35	3(100%)	479 12	
Faridpur	1	2		3	34	2(100%)	222 37	
Gazipur	2	2	1	6	27	3(100%)	312 4	
Gopalganj	2	3	2	1	115	2(100%)	53 31	
Jamalpur				3	31	2(100%)	385 11	
Kishoreganj	6	6	3	40	112	7(100%)	718 16	
Madaripur		1		10	137	5(100%)	345 24	
Manikganj	2	1		1	24	4(100%)	860 17	
Munshiganj	1	2	1	1	237	8(100%)	886 10	
Mymensingh	8	4	7	25	108	4(100%)	360 45	
Narayanganj				54	55	2(100%)	102 8	
Narsinghdi				12	33	2(100%)	102 7	
Netrokona	1	2	1	6	122	8(100%)	794 16	
Rajbari					37	1(100%)	18 1	
Shariatpur	1	2	1	3	104	3(100%)	182 29	
Sherpur	3	5	3		64	2(100%)	311 13	
Tangail	1	2	3	9	21	2(100%)	283 13	
Total-DHAKA	37	41	30	337	1455	83(100%)	9631 295	
CTG Division								
CCC only	5	1	4	50	35	2(100%)	161 4	
Chittagong (non CCC)		2		7	24	1(100%)	11 1	
Bandarban				2	6		1	
Brahmanbaria	4	7	4	1	21		3	
Chandpur	3	3	2	3	58	3(100%)	34 25	
Comilla	2	3	2	7	148	8(100%)	1203 1	
Cox's Bazar	3	4	3	3	18	1(100%)	183 6	
Feni	2	2	2	1	180	8(100%)	709 5	
Khagrachari					23			
Laxmipur	3	4	3	3	61	1(100%)	14 27	
Noakhali	3	3	3	3	44	5(100%)	320 10	
Rangamati				1	38		2	
Total-CTG	25	29	23	81	656	29(100%)	2635 85	
Sylhet Division								
SCC	1		1	156	169		1	
Sylhet (non SCC)	2	3		139	234		8	
Habiganj	2	3		22	110	5(100%)	274 15	
Maulvibazar	3	2	1	14	113	2(100%)	70 11	
Sunamganj	6	5	3	261	294	2(100%)	720 13	
Total-SYL	14	13	5	592	920	9(100%)	1064 48	
Raj Division								
RCC only				14	233	15(100%)	993 10	
Rajshahi (non RCC)	3	4	3	2	9	1(100%)	266 1	
Bogra				4	20	2(100%)	75 56	
Dinajpur	6	6	5	1	12	5(100%)	558 35	
Gaibandha	3	4			25	3(100%)	122 26	
Joypurhat	1	1	1	4	14		20	
Kurigram		3	4		8	1(100%)	38 12	
Lalmonirhat	1	1	1		13	1(100%)	50 2	
Natore	4	4	4	14	162	8(100%)	701 17	
Nilphamari	1			1	7		8	
Noagoan	2	2	3	3	103	5(100%)	750 24	
Nowabganj	4	3	3	6	8	1(100%)	61 7	
Pabna				9	34		7	
Panchagarh	1	3	2	1	69	5(100%)	1075 2	
Rangpur	5	7	5	6	6	2(100%)	25 19	
Sirajganj				3	16	1(100%)	127 8	
Thakurgaon				16	19	7(100%)	671 5	
Total-RAJ	28	37	35	84	758	57(100%)	5512 259	
Khulna Division								
KCC only					101	16(100%)	1229 7	
Khulna (non KCC)	1	2	1	3	540	12(100%)	648 37	
Bagerhat	1	2	1	5	258	13(100%)	636 13	
Chuadanga	2	3	3	1	15		12	
Jessore	1	1	2	5	29		38	
Jhenaidah	2	1	3	3	16	2(100%)	96 23	
Kushtia	2		1	3	36	1(100%)	91 3	
Magura		1		1	9		13	
Meherpur	1	2		3	34	2(100%)	235 2	
Narail	7	4	3	1	9	2(100%)	137 9	
Satkhira					15	2(100%)	123 23	
Total-KHU	17	16	14	25	1062	50(100%)	3195 180	
Barisal Division								
BCC	1			13	12			
Barisal (non BCC)	1	2		27	53	1(100%)	48 5	
Barguna		1		7	46		4	
Bhola	3	3	3	3	65	1(100%)	108 15	
Jhalakhati				13	10	1(100%)	68 5	
Patuakhali	3	1	2	28	44	3(100%)	576 2	
Pirojpur				13	25	5(100%)	665 13	
Total BAR	8	7	5	104	255	11(100%)	1465 44	
National	129	143	112	1223	5106	239(100%)	23502 911	

Annualized Non-Polio AFP Rate, by District, Bangladesh 2004-2005*

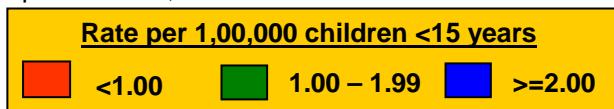


2004 (National: 2.31)

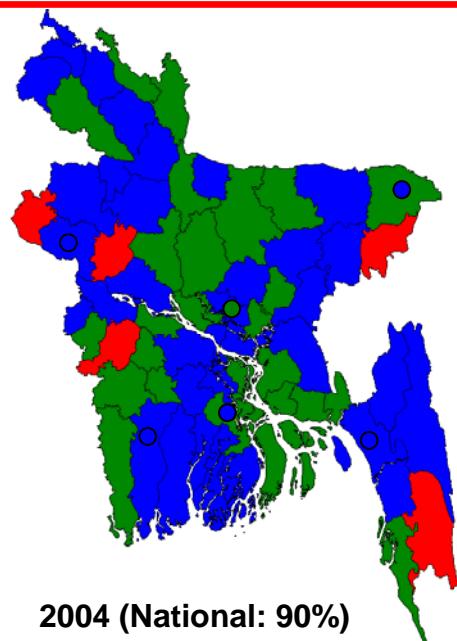


2005 (National: 2.63)

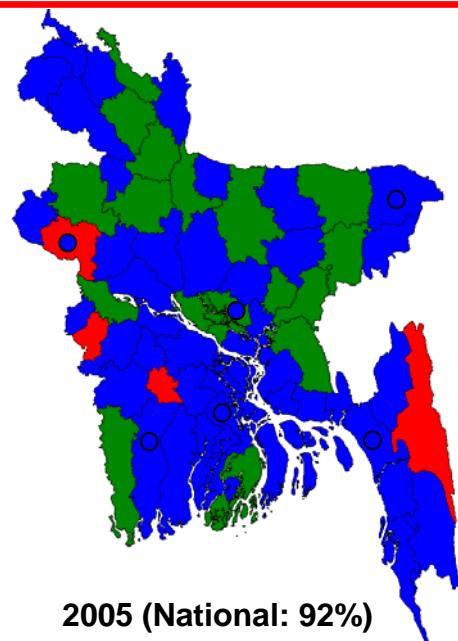
*NPAFP Rate annualized up to June 18, 2005



Percentage of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2004-2005*



2004 (National: 90%)



2005 (National: 92%)



*Data as of Epidemiologic Week 34, August 20, 2005

International Development 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