TCG Endorses the Revised Non Polio AFP Rate

The eleventh meeting of the SEAR Technical Consultative Group (TCG) for Polio Eradication and Vaccine Preventable Diseases held on 16-17 June 2005 at New Delhi, India. Representatives from all 11 member countries participated the meeting. The Bangladesh team was headed by Dr. Md. Lutfor Rahman, the Deputy Director, EPI and Program Manager, Child health & limited curative care. Other members of Bangladesh team were Director, IEDCR, representatives from WHO and UNICEF-Dhaka. This TCG endorsed the proposed SEAR Strategic Plan for 2006-2009 and submitted report and recommendations of the 11th TCG as the baseline for measuring future progress. Specific recommendations on progress towards Polio Eradication, Measles Mortality Reduction, Maternal and Neonatal Tetanus (MNT) Elimination and Strengthening Immunization Systems were made.

Issues that were discussed under Progress towards Polio Eradication were: outbreak response following importation of wild-type 1 poliovirus in Indonesia, Supplementary immunization, AFP surveillance and laboratory containment of wild poliovirus materials. Regarding AFP surveillance, it was recommended that: •1. Countries should intensify AFP surveillance to achieve a rate of at least 2 per 100,000 populations below 15 years at national and as well as district level. •2. All countries should map minority and under-served communities, mobile populations, and silent areas and outline steps to include them in surveillance and immunization delivery systems. Results should be reported at the next TCG meeting. •3. SEARO should conduct external surveillance reviews in Myanmar and Bhutan in 2005 and Indonesia and Nepal in 2006. •4. Countries are reminded of 2004 TCG recommendations that a diagnosis should be assigned to every AFP case. •5. Program and laboratory personnel should continue to work together to ensure high quality laboratory performance and ability to provide timely results.

It is noted here that Bangladesh introduced national AFP target of 2/100,000 under 15 populations in all upazilas following endorsement of the same in the last meeting of National Certification Committee of Polio Eradication (NCCPE) on 9th March.

Orientation on Child Health Supervision Checklist

The nationwide orientation on Child Health Supervision Checklist started following national TOT of DIMOs, SMOs and Divisional Coordinators at EPI HQ on 14th and 16th July. The national trainers will train district, upazila and City Corporation supervisors on the use and interpretation of the checklist. The orientation will end by the first week of August.

This new check list replaces the previous two checklists. It has three sections-A, B and C. National, Divisional, District and City Corporation managers should use Section A, B &C of the check list. Upazila, Municipality and Zone Managers should use section B and C of the check list. Section A includes District/CC/Municipality/Upazila/Zone level review of EPI performance, Cold room status, EPI store, stock out of supply, status of updating and status of community involvement for strengthening routine EPI. This new inclusion in the monitoring form is based on the concept of RED and its translation into local microplanning.

Section B includes information of upazila/Municipality and zone. It includes analysis of performance of union/ward based on the concept of access and utilization of routine EPI service along with monitoring of supervision by the local, district, divisional and national supervisors. This part also includes ARI control program, CDD, IMCI School health program and other issues.

Section C includes monitoring of vaccination site and validation of registration and dose for child and women.

EPI expects that this tool of monitoring will help supervisors of all levels provide facilitative supervision to the managers and workers to accomplish their jobs for heightening the performance of routine EPI.

Surveillance Summary for 1999-2005 (through Epidemiologic Week 30, July 17-23, 2005)

	1999	2000	2001	2002	2003	2004	2005[1]
Number of AFP cases	761	1138	1287	1365	1128	1301	834
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	751
No. of cases pending classification	0	0	0	0	0	0	83
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	2.54[2]
2. Completeness of passive reporting from facilities	≥ 90%	66%	83%	65%	62%	67%	82%	91%
3. Timeliness of passive reporting from facilities	≥ 80%	30%	58%	38%	36%	62%	75%	82%
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%	89%[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%

[1] *Data as of July 23, 2005;* [2] *NPAFP rate annualized for cases according to May 21, 2005;* [3] *among cases occurring up to May 9, 2005;* [4] *as of June 25, 2005*

AFP Surveillance Performance Indicators - 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	35			32	3	1.68	97%	100%	89%	100%	68%
Dhaka (non DCC)	13	25			22	3	2.86	92%	100%	88%	100%	93%
Faridpur	8	17			16	1	4.33	94%	100%	94%	100%	100%
Gazipur	9	11			9	2	1.10	100%	100%	100%	100%	50%
Gopalganj	5	9			7	2	1.98	100%	100%	100%	100%	100%
Jamalpur	10	16			15	1	2.97	88%	100%	88%	100%	83%
Kishoreganj	12	19			18	1	2.48	95%	100%	95%	100%	77%
Madaripur	5	15			14	1	4.95	87%	100%	93%	100%	70%
Manikganj	6	10			7	3	2.48	80%	100%	80%	100%	100%
Munshiganj	6	21			20	1	5.78	100%	100%	100%	100%	85%
Mymensingh	20	24			19	5	1.36	75%	100%	79%	100%	91%
Narayanganj	10	9			9	0	1.49	100%	100%	100%	100%	100%
Narsingdhi	9	13			12	1	2.20	85%	100%	85%	100%	100%
Netrokona	9	14			14	0	3.85	100%	100%	93%	100%	67%
Rajbari	5	8			7	1	2.97	100%	100%	100%	100%	100%
Shariatpur	5	14			14	0	5.94	100%	93%	93%	100%	80%
Sherpur	6	9			7	2	1.24	100%	100%	100%	100%	67%
Tangail	14	13			13	0	0.88	100%	100%	100%	100%	100%
Total-DHAKA	*183*	*282*	*0*	*0*	*255*	*27*	*2.40*	*93%*	*100%*	*92%*	*100%*	*85%*
CTG Division												
CCC only	11	13			12	1	2.03	100%	100%	92%	100%	89%
Chittagong (non CCC)	19	27			23	4	2.61	100%	100%	96%	100%	80%
Bandarban	2	0			0	0	0.00	NA	NA	NA	NA	NA
Brahmanbaria	11	11			9	2	1.35	91%	82%	91%	100%	83%
Chandpur	11	9			7	2	1.35	100%	100%	89%	100%	83%
Comilla	21	17			14	3	1.41	100%	94%	88%	100%	85%
Cox's Bazar	8	11			10	1	2.17	91%	100%	91%	100%	86%
Feni	6	14			14	0	4.54	100%	100%	100%	100%	67%
Khagrachari	3	5			5	0	4.13	100%	100%	100%	100%	100%
Laxmipur	7	12			12	0	3.89	91%	100%	92%	100%	90%
Noakhali	12	29			23	6	4.13	97%	100%	93%	100%	79%
Rangamati	3	3			2	1	1.65	67%	100%	67%	100%	0%
Total-CTG	*114*	*151*	*0*	*0*	*131*	*20*	*2.37*	*97%*	*98%*	*93%*	*100%*	*80%*
Sylhet Division												
SCC	2	2			2	0	1.24	100%	100%	100%	100%	0%
Sylhet (non SCC)	10	12			11	1	2.48	92%	100%	92%	100%	100%
Habiganj	8	7			7	0	1.86	71%	100%	100%	100%	100%
Maulvibazar	8	6			5	1	1.55	100%	100%	100%	100%	100%
Sunamganj	9	5			4	1	0.83	100%	100%	80%	100%	100%
Total-SYL	*37*	*32*	*0*	*0*	*29*	*3*	*1.67*	*91%*	*100%*	*94%*	*100%*	*96%*
Raj Division												
RCC only	2	3			3	0	2.48	100%	100%	100%	100%	100%
Rajshahi (non RCC)	9	9			9	0	2.20	67%	100%	56%	100%	86%
Bogra	14	7			5	2	0.71	86%	100%	86%	100%	100%
Dinajpur	12	12			12	0	2.27	92%	100%	92%	100%	100%
Gaibandha	10	14			14	0	3.22	93%	100%	86%	85%	100%
Joypurhat	4	10			10	0	6.19	80%	100%	90%	100%	100%
Kurigram	8	7			5	2	1.24	71%	100%	86%	100%	100%
Lalmonirhat	5	8			7	1	3.47	88%	100%	88%	100%	100%
Natore	7	8			8	0	2.48	100%	100%	100%	100%	100%
Nilphamari	7	8			8	0	2.12	100%	100%	100%	100%	67%
Noagoan	11	22			19	3	3.38	100%	96%	86%	95%	100%
Nowabganj	7	8			8	0	2.48	88%	100%	88%	100%	86%
Pabna	10	13			11	2	1.98	100%	100%	100%	100%	100%
Panchagarh	4	6			5	1	1.24	100%	100%	100%	100%	100%
Rangpur	12	9			6	3	1.24	89%	100%	78%	88%	86%
Sirajganj	12	13			13	0	2.27	92%	100%	92%	100%	100%
Thakurgaon	6	6			6	0	2.06	100%	100%	100%	100%	100%
Total-RAJ	*140*	*163*	*0*	*0*	*149*	*14*	*2.23*	*91%*	*99%*	*89%*	*98%*	*96%*
Khulna Division												
KCC only	4	2			2	0	1.24	100%	100%	100%	50%	50%
Khulna (non KCC)	7	10			10	0	2.83	89%	100%	90%	100%	80%
Bagerhat	7	17			15	2	4.95	100%	94%	100%	100%	75%
Chuadanga	5	8			6	2	2.48	75%	100%	63%	100%	100%
Jessore	11	18			17	1	3.15	100%	100%	94%	100%	93%
Jhenaidah	7	14			12	2	3.89	93%	100%	93%	100%	100%
Kushtia	8	9			8	1	2.48	78%	100%	78%	100%	88%
Magura	4	6			6	0	3.71	100%	100%	100%	83%	100%
Meherpur	3	4			4	0	0.83	100%	100%	100%	100%	100%
Narail	3	6			6	0	4.13	83%	83%	67%	100%	80%
Satkhira	9	11			10	1	2.48	91%	91%	91%	100%	100%
Total-KHU	*68*	*105*	*0*	*0*	*96*	*9*	*3.02*	*92%*	*97%*	*90%*	*98%*	*90%*
Barisal Division												
BCC	1	1			1	0	2.48	100%	100%	100%	100%	100%
Barisal (non BCC)	9	23			19	4	3.58	96%	100%	100%	96%	92%
Barguna	4	17			16	1	8.05	100%	100%	100%	100%	100%
Bhola	8	23			23	0	6.19	87%	100%	96%	100%	94%
Jhalakhati	3	13			12	1	7.43	100%	100%	100%	100%	100%
Patuakhali	7	10			7	3	2.48	90%	100%	80%	100%	88%
Pirojpur	5	14			13	1	5.94	100%	100%	100%	100%	92%
Total_BAR	*37*	*101*	*0*	*0*	*91*	*10*	*5.02*	*95%*	*100%*	*97%*	*99%*	*94%*
National	*579*	*834*	*0*	*0*	*751*	*83*	*2.54*	*94%*	*99%*	*92%*	*99%*	*89%*

[1]Data as of Epidemiologic Week 30 July 23, 2005, [2] Non-Polio AFP Rate is annualized for cases occuring upto May 21, 2005, [3] for cases occuring upto May 9, 2005
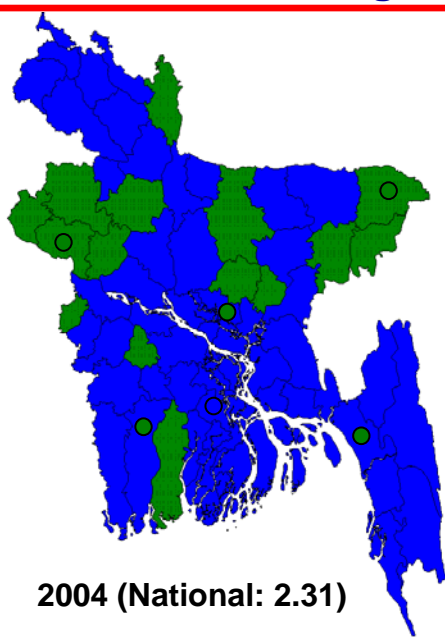
Disease Surveillance - 2005

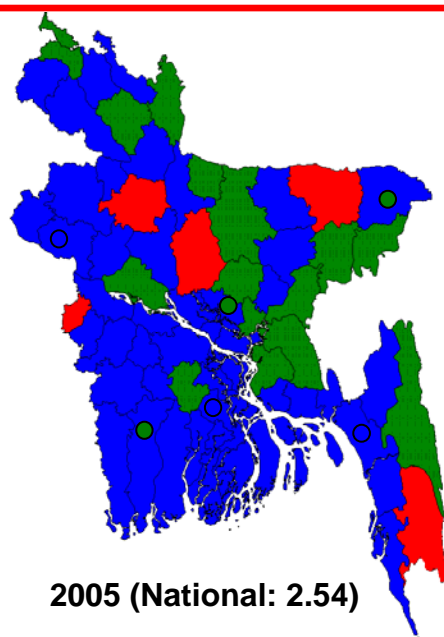| District	Neonatal Tetanus			Measles				AEFI
	# of case reported by Active Surveillance	# of case reported by Passive Surveillance	# of case Investigated	# of case reported by Active Surveillance	# of case reported by Passive Surveillance	Outbreak		# of case Reported
						Number of Outbreak (% Investigated)	# of cases	
Dhaka Division								
DCC only	5	6	6	136	142	22(100%)	3127	1
Dhaka (non DCC)	3	1	2	14	34	3(100%)	479	10
Faridpur	1	2		3	33	2(100%)	222	30
Gazipur	2	2	1	5	24	3(100%)	312	4
Gopalganj	2	3	2	1	112	2(100%)	40	27
Jamalpur				3	31	2(100%)	385	11
Kishoreganj	5	5	3	39	109	7(100%)	718	15
Madaripur		1	1	9	132	5(100%)	331	21
Manikganj	2	1		1	24	4(100%)	860	13
Munshiganj	1	2	1	1	227	7(100%)	850	8
Mymensingh	8	4	6	21	72	2(100%)	217	38
Narayanganj				51	53	2(100%)	102	8
Narsingdhi				12	29	2(100%)	102	5
Netrokona	1	2	1	5	98	5(100%)	482	15
Rajbari					35	1(100%)	18	1
Shariatpur	1	2	1	3	93	3(100%)	182	26
Sherpur	2	4	3		57	2(100%)	311	9
Tangail	1	2	3	6	20	2(100%)	283	12
Total-DHAKA	**34**	**37**	**30**	**310**	**1325**	**76(100%)**	**9021**	**254**
CTG Division								
CCC only	5	1	4	42	34	2(100%)	161	4
Chittagong (non CCC)		2		7	24			1
Bandarban				2	6			1
Brahmanbaria	4	7	4	1	17			3
Chandpur	3	3	2	3	58	3(100%)	34	21
Comilla	2	2	2	6	114	8(100%)	1204	1
Cox's Bazar	3	4	3	3	18	1(100%)	183	4
Feni	2	2	1	1	177	8(100%)	514	5
Khagrachari					23			
Laxmipur	1	2	3	3	61	1(100%)	14	23
Noakhali	1	2	2	3	40	5(100%)	320	9
Rangamati				1	37			1
Total-CTG	**21**	**25**	**21**	**72**	**609**	**28(100%)**	**2430**	**73**
Sylhet Division								
SCC	1		1	152	159			
Sylhet (non SCC)	2	3		127	219			7
Habiganj	1	1		22	101	5(100%)	258	12
Maulvibazar	2	2	1	10	109	2(100%)	70	10
Sunamganj	4	5	3	249	288	2(100%)	720	12
Total-SYL	**10**	**11**	**5**	**560**	**876**	**9(100%)**	**1048**	**41**
Raj Division								
RCC only				14	226	15(100%)	993	9
Rajshahi (non RCC)	3	4	3	2	9	1(100%)	266	1
Bogra				4	16	2(100%)	75	49
Dinajpur	5	5	4	1	12	4(100%)	377	34
Gaibandha		3	4		24	3(100%)	122	24
Joypurhat	1		1	3	12			19
Kurigram		3	2		3	1(100%)	38	11
Lalmonirhat	1	1	1		13	1(100%)	50	2
Natore	4	2	4	14	138	8(100%)	675	12
Nilphamari				1	7			7
Noagoan	2	2	3	3	94	5(100%)	750	24
Nowabganj	4	3	3	6	7	1(100%)	61	7
Pabna				9	30			7
Panchagarh	1	3	2	1	64	5(100%)	1076	2
Rangpur	5	7	5	6	6	2(100%)	25	17
Sirajganj				3	14	1(100%)	127	8
Thakurgaon				15	17	7(100%)	671	5
Total-RAJ	**26**	**33**	**32**	**82**	**692**	**57(100%)**	**5306**	**238**
Khulna Division								
KCC only					100	16(100%)	1229	4
Khulna (non KCC)	1	2	1	2	483	12(100%)	648	34
Bagerhat	1	1	1	5	250	13(100%)	636	13
Chuadanga	2	3	3		11			11
Jessore	1	1	2	4	25			33
Jhenaidah	2	1	3	3	16	2(100%)	96	17
Kushtia	2		1	3	32	1(100%)	91	3
Magura		1		1	9			12
Meherpur	1	2		3	34	2(100%)	235	2
Narail	5	3	3		7	1(100%)	66	9
Satkhira					13	2(100%)	123	19
Total-KHU	**15**	**14**	**14**	**21**	**980**	**49(100%)**	**3124**	**157**
Barisal Division								
BCC	1			1	11			
Barisal (non BCC)				36	49	1(100%)	48	5
Barguna		1		6	44			3
Bhola		1	3	3	65	1(100%)	108	14
Jhalakhati				13	10	1(100%)	68	3
Patuakhali	2		2	25	41	3(100%)	572	1
Pirojpur				12	24	5(100%)	665	13
Total_BAR	**3**	**2**	**5**	**96**	**244**	**11(100%)**	**1461**	**39**
National	**109**	**122**	**107**	**1141**	**4726**	**230(100%)**	**22390**	**802**

Data as of Epidemiologic Week 30, July 23, 2005

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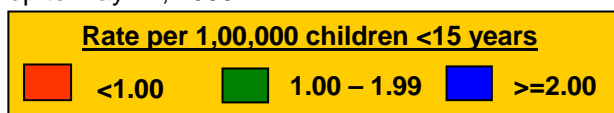

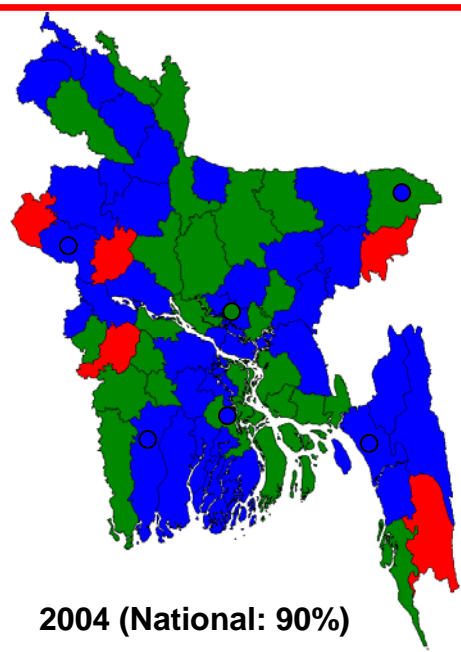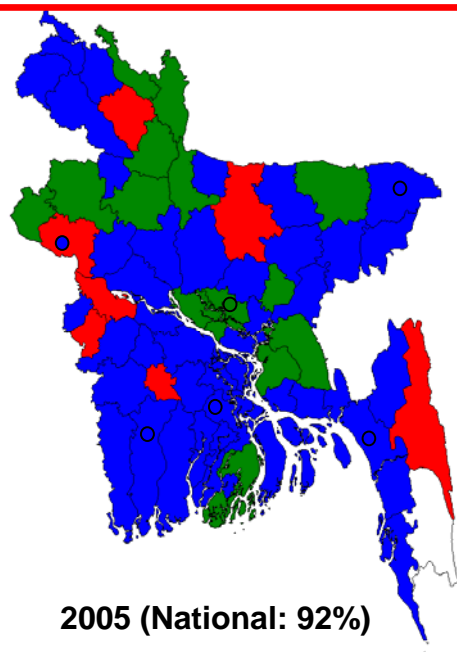**2004 (National: 2.31)**   **2005 (National: 2.54)**

*NPAFP Rate annualized up to May 21, 2005

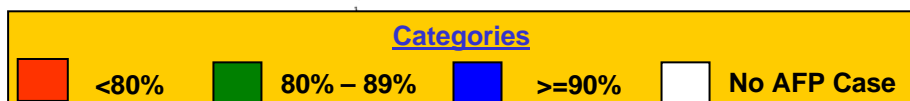| Rate per 1,00,000 children <15 years		
<1.00	1.00 – 1.99	>=2.00

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

2004 (National: 90%)   **2005 (National: 92%)**

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

*Data as of Epidemiologic Week 30, July 23, 2005