



EPI Surveillance Bulletin



Vol. 9 No.6

Epidemiologic Week 40: October 1 – 7, 2006

September 2006

NT Elimination Campaign in High Risk Areas-2006

The Government of Bangladesh is pledge-bound to eliminate Neonatal Tetanus (NT) by 2007. NT is one of the public health problems in Bangladesh. In 1985 NT morbidity rate was 41/1000 live births causing more than 100,000 neonatal deaths in a year. Unsafe delivery and low TT coverage among pregnant women are known causes of Neonatal morbidity due to NT. Intensification of EPI in last 16 years has gradually brought down NT death rate. This is evidenced by Disease Incidence Survey, 2000. This survey shows that NT morbidity rate was 6/1000 live births in 1994 while it dropped to 2.3/1000 live births in 2000.

Hospital based surveillance of Neonatal Tetanus is not sensitive enough to find out all NT cases prevailing in the country. In Bangladesh most deliveries occur at home and around 10% deliveries occur in hospitals. Following normal delivery mothers are discharged from hospital very soon. So, most NT cases are occurring in the community and only a few of them end up in hospitals due to social and other reasons. Presently only 13% deliveries are attended by skilled birth attendants leaving majority of neonates vulnerable to develop Neonatal Tetanus. Moreover, Tetanus Toxoid (TT) coverage is low in some areas of the country. All these issues call for holding supplementary immunization activities like NT campaigns to heighten TT coverage.

Beginning in 1995, Bangladesh has conducted 6 rounds of NT Elimination campaigns. First round in 1995 was followed by one round in each consecutive three years of 1999, 2000 and 2001 and 2 rounds in 2005. The last round was conducted from 18 to 30 June 2005 and 2.1 million Women of Child Bearing Age were vaccinated with TT as per their eligibility. This year NT Elimination campaign will be held from 5-16 November in some selected high risk areas. The high risk area has been defined as any union or municipality ward which has reported at least one case of Neonatal Tetanus in last one year.

Identification of high risk areas has been done by the following ways taking into consideration of NT surveillance report from 1 July 2005 to 30 June 2006:

- All unions where NT case or NT death was reported.
- If one union reported NT case or NT death in an Upazila, two adjacent unions of that Upazila are included. Conversely, if two unions of an Upazila reported NT case or NT death, one adjoining union of any of the two unions that reported NT case or NT death is included.

- All municipality/ City Corporation (CC) wards where NT case or NT death was reported.

So, 471 unions of 151 Upazilas under 51 districts, 14 municipalities and some wards of 5 City Corporations (excluding Rajshahi) have been selected as high risk areas for conducting campaign this year. A total of 3 million 15-49 years old women of child bearing age will be vaccinated with TT as per their eligibility in this campaign.

During the campaign, vaccination sites will remain open from 8 am to 4 pm daily from 5 to 16 November except weekly and government holidays without hampering routine EPI sessions. In urban areas, vaccination sites may remain open until evening to vaccinate working women. Upazila/ Municipality/ CC Managers have been instructed to prepare micro plans which will include campaign session plans not compromising with routine EPI sessions. If needed, they may plan for campaign session on the day of routine EPI. The micro plan should include special strategies and plan for reaching the target group in hard-to-reach areas and high risk populations. It should also include supervision plan.

Preparations have already begun to ensure quality in every steps of the campaign. Concerned officials of EPI, District Immunization Medical Officers (DIMOs), Officials from UNICEF and WHO including Divisional Coordinators (DCs) have been trained as National Trainers recently. They will facilitate District/Regional/ CC level Orientation and Planning meetings. This will follow the training for Field Workers, Supervisors, Volunteers and Advocacy meetings. Besides these updating of registration, social mobilization and interpersonal communication will be done before the campaign with active participation of health and family planning workers.

One of the major challenges of the campaign is to ensure safe injection. To ensure injection safety, following steps should be taken: 1. Only AD syringes should be used for vaccination. 2. All used syringes should be collected in the safety boxes. 3. Safety boxes should be disposed as per instruction of injection safety under direct supervision of upazila/ municipality/ CC Managers. 4. Field workers and supervisors should be oriented on AEFI and its management.

It is planned that Bangladesh will be validated whether or not it has eliminated NT in late 2007 by NT Elimination Validation Study. So, we need to increase coverage of TT vaccine and this campaign is an opportunity to heighten the coverage in high risk areas with our all out sincere efforts.

Surveillance Summary for 1999-2006 (through Epidemiologic Week 40, October 1 – 7, 2006)

| | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 ¹ |
|--|------|------|------|------|------|------|------|-------------------|
| Number of AFP cases | 761 | 1138 | 1287 | 1365 | 1128 | 1301 | 1458 | 1267 |
| 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 | 15 |
| No. of discarded polio cases (i.e., non-polio AFP) | 439 | 941 | 1251 | 1365 | 1128 | 1299 | 1458 | 1187 |
| No. of cases pending classification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| 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:

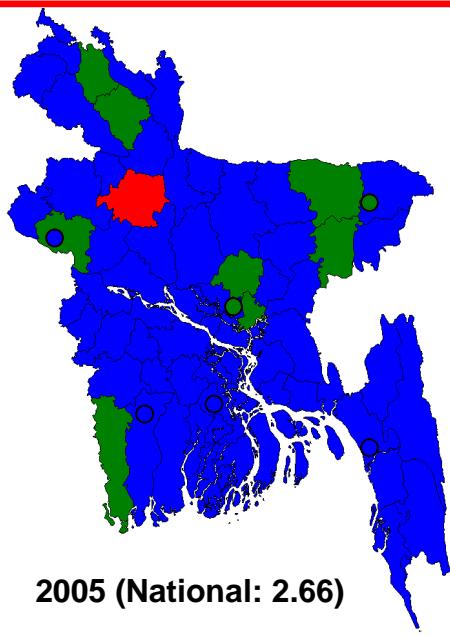
| Indicator | Target | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|------|------|------|------|------|------|------|------------------|
| 1. Annual Non-Polio AFP rate in children < 15 years old | ≥ 2.0 | 0.87 | 1.82 | 2.34 | 2.49 | 2.03 | 2.31 | 2.66 | 2.77 |
| 2. Completeness 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% | 82% |
| 4. Suspected AFP cases investigated within 48 hours of notification | ≥ 80% | 83% | 93% | 96% | 96% | 98% | 98% | 99% | 100% |
| 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% | 95% 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% | 15% |

¹ Data as of October 7, 2006; ² among cases occurring up to July 24, 2006; ³ as of September 9, 2006, * Prior to 2005 NPAFP rate calculated as 1/100,000 children.

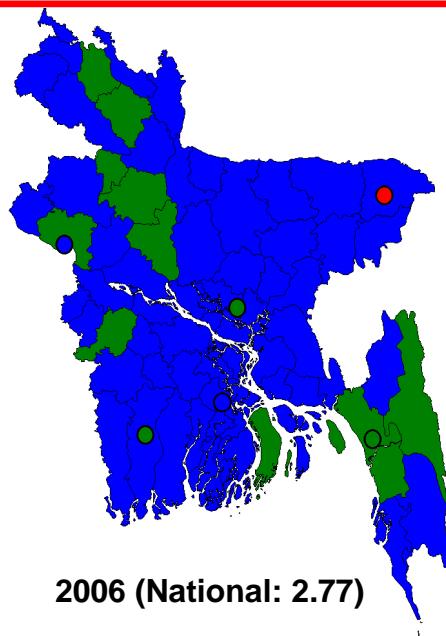
| District | Minimum operational target of non-polio AFP | | Total # AFP ¹ | | Wild polio-virus isolated | | # Compatible cases | Non- Polio AFP cases ¹ | | Pending final classif. ¹ | | Annualized Non-polio AFP Rate ¹ | | Notification within 10 d after paralysis onset ¹ | | Investigation within 48 h 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 | | |
| Dhaka Division | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 25 | 26 | 47 | 37 | | 1 | | 47 | 32 | 0 | 4 | 3.82 | 3.23 | 89% | 95% | 100% | 100% | 87% | 95% | 98% | 97% | 94% | 100% | | |
| DCC only | 61 | 64 | 54 | 38 | | | | 54 | 37 | 0 | 1 | 1.76 | 1.50 | 96% | 92% | 98% | 100% | 93% | 89% | 100% | 97% | 93% | 92% | | |
| Faridpur | 15 | 16 | 23 | 25 | | | | 23 | 24 | 0 | 1 | 3.01 | 4.02 | 96% | 88% | 100% | 100% | 96% | 100% | 100% | 100% | 96% | 96% | 100% | |
| Gazipur | 18 | 18 | 15 | 19 | | | | 15 | 16 | 0 | 3 | 1.70 | 2.32 | 100% | 95% | 100% | 100% | 93% | 95% | 100% | 100% | 95% | 100% | 100% | |
| Gopalganj | 10 | 10 | 24 | 23 | | | | 24 | 22 | 0 | 1 | 4.87 | 5.76 | 100% | 96% | 100% | 100% | 96% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Jamalpur | 18 | 19 | 32 | 18 | | | | 32 | 16 | 0 | 2 | 3.48 | 2.23 | 88% | 89% | 97% | 100% | 88% | 89% | 100% | 100% | 100% | 100% | 100% | |
| Kishoreganj | 22 | 22 | 33 | 36 | 2 | | | 33 | 32 | 0 | 2 | 2.99 | 3.73 | 88% | 94% | 100% | 100% | 94% | 94% | 100% | 100% | 97% | 87% | | |
| Madaripur | 10 | 10 | 22 | 17 | | | | 22 | 16 | 0 | 1 | 4.59 | 4.31 | 91% | 94% | 100% | 100% | 96% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Manikganj | 11 | 11 | 17 | 16 | | | | 17 | 15 | 0 | 1 | 3.03 | 3.44 | 82% | 100% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Munshiganj | 11 | 11 | 31 | 16 | | | | 31 | 15 | 0 | 1 | 5.64 | 3.52 | 97% | 88% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Mymensingh | 39 | 39 | 51 | 40 | | | | 51 | 40 | 0 | 0 | 2.63 | 2.65 | 80% | 93% | 98% | 100% | 84% | 98% | 100% | 100% | 100% | 100% | 100% | |
| Narayanganj | 19 | 20 | 16 | 24 | | | | 16 | 21 | 0 | 3 | 1.66 | 2.77 | 94% | 88% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | 100% | 75% | |
| Narsingdi | 17 | 17 | 19 | 20 | | | | 19 | 19 | 0 | 1 | 2.24 | 2.85 | 90% | 90% | 100% | 100% | 89% | 95% | 100% | 100% | 100% | 100% | 100% | |
| Netrokona | 17 | 17 | 26 | 24 | | | | 26 | 22 | 0 | 2 | 3.03 | 3.28 | 100% | 92% | 100% | 100% | 96% | 96% | 100% | 100% | 100% | 100% | 100% | |
| Rajbari | 8 | 8 | 11 | 16 | | | | 11 | 15 | 0 | 1 | 2.65 | 4.64 | 100% | 88% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Sariatpur | 9 | 10 | 26 | 26 | | | | 26 | 26 | 0 | 0 | 5.52 | 7.08 | 96% | 96% | 100% | 100% | 92% | 96% | 100% | 100% | 100% | 100% | 100% | |
| Sherpur | 11 | 11 | 15 | 19 | | | | 15 | 19 | 0 | 0 | 2.74 | 4.46 | 100% | 89% | 93% | 100% | 95% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Tangail | 28 | 28 | 32 | 33 | | | | 32 | 32 | 0 | 1 | 2.30 | 2.96 | 91% | 91% | 100% | 100% | 91% | 97% | 100% | 100% | 100% | 100% | 86% | |
| Total-DHAKA | 349 | 357 | 494 | 447 | 0 | 3 | 0 | 0 | 494 | 419 | 0 | 25 | 2.83 | 3.05 | 92% | 92% | 99% | 100% | 92% | 95% | 100% | 99% | 98% | 95% | |
| CTG Division | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bandarban | 3 | 3 | 3 | 4 | | | | 3 | 4 | 0 | 0 | 2.19 | 3.70 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Brahmanbaria | 21 | 21 | 25 | 29 | 1 | | | 25 | 28 | 0 | 0 | 2.43 | 3.50 | 92% | 83% | 92% | 100% | 88% | 83% | 100% | 100% | 100% | 100% | 100% | |
| Chandpur | 20 | 21 | 21 | 22 | 1 | | | 21 | 19 | 0 | 2 | 2.06 | 2.35 | 95% | 100% | 95% | 100% | 86% | 95% | 100% | 100% | 95% | 100% | 100% | |
| Chittagong (non CCC) | 38 | 38 | 46 | 30 | 4 | | | 46 | 24 | 0 | 2 | 2.43 | 1.63 | 98% | 100% | 100% | 100% | 96% | 93% | 100% | 100% | 100% | 100% | 100% | |
| CCC only | 20 | 21 | 22 | 12 | | | | 22 | 11 | 0 | 1 | 2.17 | 1.37 | 100% | 92% | 100% | 100% | 96% | 83% | 100% | 100% | 100% | 100% | 100% | |
| Comilla | 40 | 41 | 50 | 56 | | | | 50 | 56 | 0 | 0 | 2.50 | 3.59 | 98% | 93% | 98% | 100% | 90% | 95% | 100% | 100% | 98% | 100% | 100% | |
| Cox's Bazar | 16 | 16 | 19 | 20 | | | | 19 | 19 | 0 | 1 | 2.39 | 3.04 | 90% | 100% | 100% | 100% | 89% | 95% | 100% | 100% | 100% | 100% | 100% | |
| Feni | 10 | 11 | 26 | 11 | | | | 26 | 10 | 0 | 1 | 4.96 | 2.44 | 96% | 91% | 100% | 100% | 92% | 82% | 100% | 100% | 100% | 100% | 100% | |
| Khagrachari | 5 | 5 | 7 | 5 | | | | 7 | 5 | 0 | 0 | 2.75 | 2.44 | 86% | 100% | 100% | 100% | 86% | 100% | 100% | 100% | 100% | 100% | NA | |
| Lakshimpur | 13 | 13 | 24 | 17 | | | | 24 | 16 | 0 | 1 | 3.71 | 3.18 | 88% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 94% | 100% | 96% | |
| Noakhali | 23 | 23 | 43 | 23 | 1 | | | 43 | 22 | 0 | 0 | 3.81 | 2.49 | 95% | 96% | 98% | 100% | 95% | 96% | 100% | 100% | 98% | 100% | 86% | |
| Rangamati | 5 | 5 | 7 | 3 | | | | 7 | 3 | 0 | 0 | 2.89 | 1.56 | 57% | 100% | 100% | 100% | 71% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Total-CTG | 214 | 218 | 293 | 232 | 0 | 7 | 0 | 0 | 293 | 217 | 0 | 8 | 2.74 | 2.59 | 94% | 95% | 98% | 100% | 91% | 92% | 100% | 99% | 98% | | |
| Sylhet Division | | | | | | | | | | | | | | | | | | | | | | | | | |
| Habiganj | 15 | 16 | 14 | 16 | | 1 | | 14 | 15 | 0 | 0 | 1.83 | 2.51 | 100% | 88% | 100% | 100% | 86% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Moulvi Bazar | 14 | 14 | 15 | 15 | | | | 15 | 14 | 0 | 1 | 2.11 | 2.51 | 100% | 93% | 100% | 100% | 93% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Sunamganj | 18 | 18 | 14 | 27 | | | | 14 | 26 | 0 | 1 | 1.60 | 3.80 | 100% | 85% | 100% | 100% | 96% | 93% | 78% | 92% | 96% | 100% | 100% | |
| Sylhet (non SCC) | 19 | 20 | 25 | 33 | | | | 25 | 32 | 0 | 1 | 2.57 | 4.22 | 100% | 97% | 100% | 100% | 88% | 94% | 100% | 100% | 100% | 100% | 100% | |
| SCC only | 4 | 4 | 3 | 1 | | | | 3 | 1 | 0 | 0 | 1.57 | 0.62 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | |
| Total-SYL | 70 | 72 | 71 | 92 | 0 | 1 | 0 | 0 | 71 | 88 | 0 | 3 | 2.02 | 3.19 | 100% | 91% | 100% | 99% | 92% | 90% | 100% | 99% | 100% | | |
| Raj Division | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bogra | 26 | 27 | 13 | 20 | | | | 13 | 18 | 0 | 2 | 0.99 | 1.76 | 85% | 95% | 100% | 100% | 90% | 92% | 100% | 100% | 95% | 100% | 100% | |
| Dinajpur | 23 | 24 | 27 | 22 | | 1 | | 27 | 21 | 0 | 0 | 2.32 | 2.31 | 78% | 77% | 100% | 100% | 89% | 82% | 100% | 100% | 95% | 100% | 100% | |
| Gaibandha | 18 | 18 | 20 | 15 | | | | 20 | 15 | 0 | 0 | 2.19 | 2.12 | 90% | 87% | 100% | 100% | 90% | 87% | 90% | 93% | 100% | 100% | 100% | |
| Joypurhat | 7 | 7 | 13 | 5 | 1 | | | 13 | 4 | 0 | 0 | 3.52 | 1.39 | 85% | 80% | 100% | 100% | 85% | 80% | 100% | 100% | 90% | 100% | 100% | |
| Kurigram | 15 | 15 | 16 | 20 | | | | 16 | 18 | 0 | 2 | 2.11 | 3.05 | 81% | 80% | 100% | 100% | 90% | 94% | 100% | 100% | 100% | 100% | 100% | |
| Lalmonirhat | 10 | 10 | 13 | 10 | | | | 13 | 9 | 0 | 1 | 2.68 | 2.38 | 85% | 80% | 100% | 100% | 77% | 90% | 100% | 100% | 100% | 100% | 80% | |
| Natore | 13 | 13 | 13 | 17 | | | | 13 | 16 | 0 | 1 | 2.00 | 3.16 | 100% | 94% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | 100% | 100% | |
| Nilphamari | 14 | 14 | 12 | 10 | | | | 12 | 10 | 0 | 0 | 1.75 | 1.86 | 100% | 90% | 100% | 100% | 90% | 90% | 100% | 100% | 90% | 100% | 100% | |
| Noagean | 21 | 21 | 31 | 23 | | | | 31 | 20 | 0 | 3 | 3.01 | 2.50 | 100% | 83% | 97% | 91% | 87% | 83% | 96% | 91% | 100% | 100% | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| 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* | | Number of Outbreak (%) Investigated) | # of cases | # of case Reported | | |
| | 2005 | 2006 | 2005 | 2006 | 2005 | 2006 | 2005 | 2006 | 2005 | 2006 | 2005 | 2006 | | | | | |
| Dhaka Division | | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 4 | 2 | 4 | 2 | 4 | 1 | 28 | 16 | 62 | 33 | 3(100%) | 1(100%) | 480 | 191 | 31 | 21 | |
| DCC only | 11 | 5 | 15 | 8 | 11 | | 204 | 95 | 241 | 81 | 20(100%) | 1(100%) | 2791 | 247 | 7 | 26 | |
| Faridpur | 2 | 3 | 5 | 3 | 5 | 3 | 5 | 3 | 58 | 27 | 1(100%) | 1(100%) | 79 | 24 | 80 | 61 | |
| Gazipur | 3 | | 3 | | 2 | | 15 | 21 | 44 | 22 | 1(100%) | 1(100%) | 79 | 80 | 7 | 4 | |
| Gopalganj | 7 | 2 | 8 | | 7 | 2 | 5 | 31 | 157 | 60 | 3(100%) | 1(100%) | 144 | 30 | 51 | 23 | |
| Jamalpur | | | 2 | 2 | | 1 | 4 | 3 | 36 | 8 | | | | | 17 | 40 | |
| Kishoreganj | 26 | 8 | 28 | 7 | 16 | 6 | 58 | 21 | 153 | 21 | 8(100%) | 1(100%) | 431 | 94 | 28 | 37 | |
| Madaripur | | 2 | 1 | 1 | | 2 | 16 | 18 | 183 | 70 | 7(100%) | 6(100%) | 510 | 690 | 61 | 31 | |
| Manikganj | 2 | | 1 | | | 1 | 3 | 6 | 46 | 90 | 7(100%) | 1(100%) | 1211 | 38 | 40 | 20 | |
| Munshiganj | 2 | | 5 | | 2 | | 4 | 2 | 291 | 12 | 3(100%) | | 175 | 18 | 17 | | |
| Mymensingh | 21 | 18 | 12 | 15 | 20 | | 21 | 41 | 31 | 206 | 31 | 6(100%) | | 582 | 82 | 33 | |
| Narayanganj | | | | 1 | | | | 83 | 23 | 84 | 29 | 1(100%) | | 73 | 31 | 54 | |
| Narsinghdhi | 1 | 1 | | | | | 22 | 15 | 46 | 15 | 1(100%) | | 53 | 10 | 25 | | |
| Netrokona | 2 | 6 | 8 | 8 | 6 | | 6 | 2 | 199 | 66 | 8(100%) | | 986 | 28 | 36 | | |
| Rajbari | 1 | | 3 | | 2 | | | 4 | 50 | 19 | | | | 8 | 34 | | |
| Shariatpur | 3 | 2 | 5 | 1 | 3 | 1 | 6 | 1 | 152 | 31 | 5(100%) | | 314 | 52 | 27 | | |
| Sherpur | 3 | 3 | 8 | 9 | 7 | 3 | | 1 | 75 | 14 | 1(100%) | | 146 | 31 | 19 | | |
| Tangail | 4 | 5 | 3 | 2 | 5 | 3 | 15 | 11 | 27 | 22 | | | | 26 | 28 | | |
| Total-DHAKA | 92 | 57 | 112 | 58 | 92 | 50 | 515 | 304 | 2110 | 651 | 75(100%) | 13(100%) | 8054 | 1394 | 608 | 536 | |
| CTG Division | | | | | | | | | | | | | | | | | |
| Bandarban | | | | 4 | | | 2 | 1 | 8 | 5 | | | | | 19 | 13 | |
| Brahmanbaria | 9 | 4 | 18 | | 11 | 4 | 2 | 4 | 61 | 13 | 3(100%) | | 269 | 7 | 13 | | |
| Chandpur | 4 | | 3 | | 3 | | 7 | 6 | 91 | 16 | 4(100%) | 2(100%) | 103 | 57 | 44 | 33 | |
| Chittagong (non CCC) | 1 | 1 | 7 | 2 | 1 | | 17 | 16 | 76 | 20 | 1(100%) | | 17 | 7 | 10 | | |
| CCC only | 8 | 2 | 4 | | 7 | 2 | 78 | 42 | 60 | 42 | 2(100%) | | 161 | 6 | 14 | | |
| Comilla | 8 | 8 | 6 | 3 | 2 | | 9 | 18 | 219 | 66 | 9(100%) | 1(100%) | 1045 | 74 | 6 | 10 | |
| Cox's Bazar | 7 | 1 | 8 | 7 | 7 | 1 | 7 | 14 | 24 | 22 | 1(100%) | 1(100%) | 183 | 42 | 8 | 14 | |
| Feni | 2 | | 4 | 1 | 2 | 1 | 5 | 1 | 211 | 26 | 5(100%) | 1(100%) | 412 | 25 | 11 | 15 | |
| Khagrachari | | | | | | | 2 | | 29 | 1 | | | | 2 | 8 | | |
| Laxmipur | 6 | 12 | 10 | 8 | 6 | 10 | 4 | 11 | 78 | 31 | 2(100%) | 1(100%) | 41 | 31 | 55 | 20 | |
| Noakhali | 7 | 4 | 11 | 4 | 8 | 2 | 27 | 19 | 86 | 18 | 1(100%) | | 80 | 20 | 5 | | |
| Rangamati | | | | | | | 1 | 2 | 53 | 7 | | | | 3 | 2 | | |
| Total-CTG | 52 | 32 | 71 | 29 | 47 | 20 | 161 | 134 | 996 | 267 | 28(100%) | 6(100%) | 2311 | 229 | 188 | 157 | |
| Sylhet Division | | | | | | | | | | | | | | | | | |
| Habiganj | 9 | 6 | 12 | 3 | 2 | 2 | 23 | | 131 | 28 | 5(100%) | | 399 | 38 | 19 | 19 | |
| Maulvibazar | 7 | 3 | 7 | 2 | 1 | | 27 | 6 | 174 | 18 | 3(100%) | | 317 | 16 | 39 | | |
| Sunamganj | 8 | 11 | 12 | 10 | 6 | 6 | 285 | 15 | 354 | 25 | 2(100%) | | 730 | 28 | 30 | | |
| Sylhet (non SCC) | 4 | 2 | 4 | | 6 | 2 | 162 | 27 | 326 | 80 | 4(100%) | | 204 | 20 | 16 | | |
| SCC only | 1 | 1 | 1 | | 2 | 1 | 165 | 20 | 182 | 21 | | | | 1 | 3 | | |
| Total-SYL | 29 | 23 | 36 | 15 | 17 | 11 | 662 | 68 | 1167 | 172 | 14(100%) | 0 | 1650 | 0 | 103 | 107 | |
| Raj Division | | | | | | | | | | | | | | | | | |
| Bogra | 2 | 3 | 6 | 4 | 3 | 1 | 7 | 5 | 28 | 23 | 2(100%) | | 75 | 169 | 78 | | |
| Dinajpur | 7 | 1 | 8 | 1 | 7 | 2 | 3 | 3 | 18 | 42 | 1(100%) | 1(100%) | 63 | 209 | 59 | 39 | |
| Gaibandha | 2 | 1 | 5 | | 8 | | | | 28 | 4 | 1(100%) | 7(100%) | 61 | 541 | 44 | 43 | |
| Joypurhat | 1 | | 1 | | 1 | | 4 | 2 | 28 | 20 | | 1(100%) | | 26 | 27 | 17 | |
| Kurigram | | | 5 | | 7 | 2 | | 1 | 14 | 28 | | 1(100%) | | 52 | 21 | 2 | |
| Lalmonirhat | 1 | | 1 | | 1 | | | | 21 | 4 | | | | 2 | 12 | | |
| Natore | 4 | | 4 | | 4 | | 16 | 3 | 180 | 36 | 7(100%) | | 703 | 27 | 80 | | |
| Nilphamari | 3 | | 1 | 3 | 2 | 2 | 2 | 1 | 10 | 5 | | | | 44 | 57 | | |
| Noagoan | 4 | | 4 | | 5 | | 3 | 2 | 114 | 3 | 3(100%) | | 273 | 42 | 26 | | |
| Nowabganj | 6 | | 3 | | 6 | | 6 | 1 | 8 | 1 | | | | 10 | 24 | | |
| Pabna | 2 | 1 | 2 | | 2 | 1 | 11 | | 42 | 20 | | | | 13 | 9 | | |
| Panchagarh | 1 | 2 | 3 | 2 | 2 | 2 | 2 | | 75 | 3 | | | | 10 | 13 | | |
| Rajshahi (non RCC) | 4 | 2 | 6 | 1 | 5 | 2 | 5 | 8 | 12 | 21 | 1(100%) | 1(100%) | 266 | 223 | 14 | 28 | |
| RCC only | | | | | | | 14 | 5 | 242 | 201 | 5(100%) | 1(100%) | 329 | 50 | 47 | 31 | |
| Rangpur | 10 | 5 | 8 | 2 | 9 | 5 | 7 | 1 | 7 | 1 | 2(100%) | | 47 | 31 | 21 | | |
| Sirajganj | 1 | 3 | 2 | 3 | 1 | 1 | 4 | | 18 | 5 | 1(100%) | | 127 | 17 | 16 | | |
| Thakurgaon | | | | | | | 18 | 3 | 22 | 2 | 3(100%) | | 453 | 7 | 24 | | |
| Total-RAJ | 48 | 18 | 59 | 16 | 63 | 18 | 102 | 35 | 867 | 419 | 26(100%) | 12(100%) | 2397 | 1101 | 584 | 520 | |
| Khulna Division | | | | | | | | | | | | | | | | | |
| Bagerhat | 4 | 1 | 4 | | 2 | 1 | 8 | 9 | 305 | 58 | 13(100%) | 10(100%) | 674 | 480 | 24 | 56 | |
| Chuadanga | 4 | 1 | 6 | 4 | 5 | 1 | 1 | 2 | 24 | 14 | | 2(100%) | | 136 | 38 | 24 | |
| Jessore | 5 | 5 | 4 | 3 | 3 | 4 | 10 | 38 | 44 | 72 | | 1(100%) | | 60 | 62 | 35 | |
| Jhenaidah | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 20 | 13 | 2(100%) | 1(100%) | 99 | 148 | 37 | 15 | |
| Khulna (non KCC) | 2 | 1 | 4 | 2 | 2 | 1 | 6 | 2 | 717 | 162 | 14(100%) | 2(100%) | 918 | 132 | 62 | 41 | |
| KCC only | 1 | | 1 | | 1 | | 3 | 5 | 127 | 19 | 14(100%) | 1(100%) | 1161 | 35 | 11 | 7 | |
| Kushtia | 1 | 1 | | 1 | 1 | 1 | 4 | 3 | 74 | 14 | 2(100%) | 1(100%) | 176 | 251 | 16 | 19 | |
| Magura | 1 | | 2 | 1 | 1 | 1 | 2 | 3 | 18 | 33 | | 1(100%) | | 50 | 20 | 12 | |
| Meherpur | 2 | | 3 | | 2 | | 3 | 4 | 34 | 7 | 1(100%) | | 108 | 9 | 7 | | |
| Narail | 10 | 1 | 9 | 3 | 10 | 1 | 1 | 5 | 22 | 3 | 1(100%) | | 66 | 15 | 13 | | |
| Satkhira | 3 | 2 | 3 | 1 | 2 | 1 | | 1 | 20 | 13 | 2(100%) | 1(100%) | 176 | 47 | 39 | 51 | |
| Total-KHU | 35 | 15 | 38 | 17 | 31 | 13 | 41 | 76 | 1405 | 408 | 49(100%) | 20(100%) | 3378 | 1339 | 333 | 280 | |
| Barisal Division | | | | | | | | | | | | | | | | | |
| Barguna | | 2 | 1 | 1 | | | 9 | 5 | 84 | 34 | | | | 5 | 9 | | |
| Barisal (non BCC) | 4 | 6 | 6 | 5 | 2 | | 33 | 20 | 72 | 14 | 1(100%) | | 48 | 18 | 24 | | |
| BCC only | 2 | | 1 | | 2 | | 29 | 13 | 21 | 10 | | | | 1 | 3 | | |
| Bhola | 4 | 8 | 2 | 6 | 1 | | 3 | 2 | 72 | 11 | 1(100%) | | 108 | 29 | 41 | | |
| Jhalakhati | 3 | 2 | 3 | 2 | 1 | 2 | 24 | 11 | 29 | 10 | 1(100%) | | 68 | 19 | 18 | | |
| Patuakhali | 3 | 3 | 3 | 2 | 2 | 2 | 41 | 28 | 70 | 42 | 3(100%) | | 331 | 6 | 12 | | |
| Pirojpur | | 2 | 3 | | 2 | | 15 | 2 | 32 | 7 | 5(100%) | | 665 | 33 | 26 | | |
| Total-BAR | 16 | 15 | 25 | 12 | 15 | 5 | 154 | 81 | 380 | 128 | 11(100%) | 0 | 1220 | 0 | 111 | 133 | |
| National | 272 | 160 | 341 | 147 | 265 | 117 | 1,635 | 698 | 6,925 | 2,045 | 203(100%) | 51(100%) | 19,010 | 4,063 | 1,927 | 1,733 | |

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

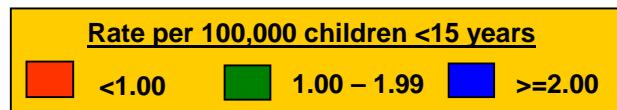


2005 (National: 2.66)

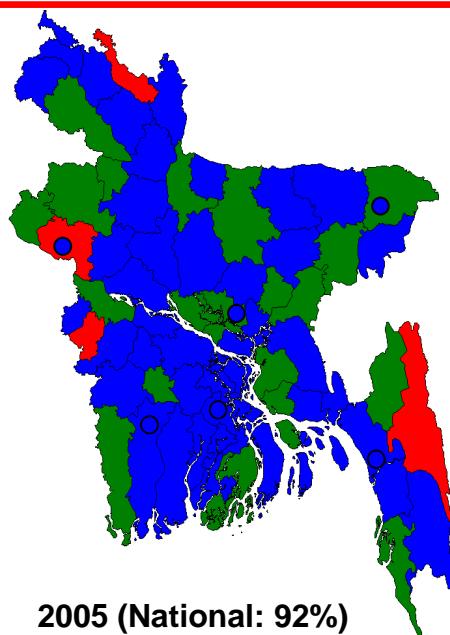


2006 (National: 2.77)

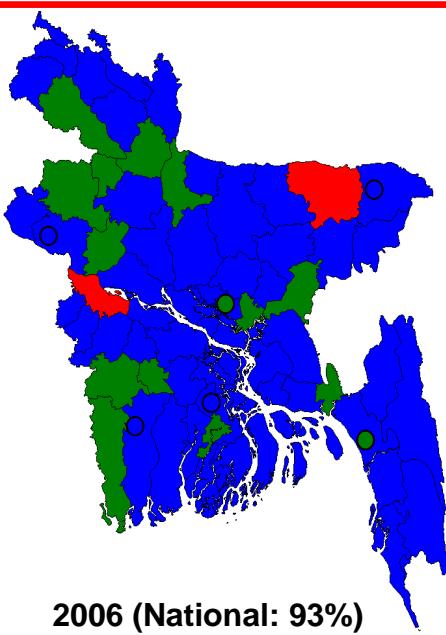
*Data as of Epidemiologic Week 40, October 7, 2006



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%)



*Data as of Epidemiologic Week 40, October 7, 2006

International Developmental 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