# EPI Surveillance Bulletin

**Vol. 14  No.1**

## Coverage Evaluation Survey 2010: A way for forward stepping

Since 1991, a total of 17 Coverage Evaluation surveys (CES) have been conducted. The objectives of the CES are to monitor and analysis the quality and coverage of EPI services at the national, district and city corporation levels. The 2010 CES dissemination meeting was held on the 23 March 2011 in BCPS hall room, Mohakhali, Dhaka. The chief guest was the Honorable State Minister, Ministry of Health and Family Welfare (MOH&FW), Dr. Capt. (Rtd) Mozibur Rahman Fakir.

The survey was carried out in collaboration with EPI, WHO and UNICEF and implemented by Nielsen Bangladesh with the main objective of assessing the Childhood vaccination coverage (seven antigens: BCG, DPT, OPV, HepB and Measles);TT vaccination coverage among women with children aged 0-11 months to asses the status of protection at birth; TT5 coverage among 18-49 years old women to evaluate the progress of TT5 program through routine EPI. The CES also evaluated the 18 National immunization day Held between 10-14 January 2010 and measles follow-up campaign carried out in between 14-28 February, 2010.



**Dissemination of EPI-CES 2010** : The Honorable State Minister, Ministry of Health and Family Welfare(MOH&FW), Dr. Capt. (Rtd) Mozibur Rahman Fakir, deliberating his speech, Chief of Health & Nutrition-UNICEF, WHO Country Representative to Bangladesh, Secretary, Ministry of Health and Family Welfare, Director General of Health services from left to right

The key findings of the CES, indicated that 79 percent of the surveyed children aged between 12-23 months were found to be fully vaccinated before observing their first birthday along with the highest coverage 99% for BCG, 98% for DPT1, OPV1 and Hep-B1, 97% for DPT2, OPV2 and Hep-B2 and 89% , 94% , 89% for DPT3, OPV3, Hep-B3 respectively and 85% for measles. Seventy nine percent of urban children were found to be fully vaccinated as against 80% of children residing in rural areas. Thirty nine percent of surveyed mothers received 5 doses of TT vaccination nationally. According to base of TT vaccination status of mother 92% percent children was protected at birth against tetanus. While the results for the 18th NID and Measles follow-up campaign revealed that the OPV, vitamin-A and antihelmenthic coverage in 18 NID were 97%,96%and 92% respectively whereas the measles and OPV coverage in measles follow-up campaign were 88% and 93% respectively.

The annual trend in valid childhood vaccination coverage was found to be highest in Rajshahi division 83% and lowest in Sylhet division 74% which was being followed by Chittagong 76%, Dhaka 78%, Khulna and Barisal 81% and Rangpur78%. As per CES findings the Rajshahi division, Rajshahi district and Rajshahi City Corporation were the best performing Division, District and City Corporation in the country. The Honorable State Minister, Ministry of Health and Family Welfare awarded them by handing over EPI crest to the respective managers for their outstanding performance. Bogra district was also awarded for its highest performance among the low performing 23 districts. The Honorable State Minister and Secretary of Ministry of Health and Family Welfare expressed their satisfaction regarding the performance. They appreciated the contribution of all health and family planning field workers and managers for this achievement. They also committed to continue their cooperation to run the program all over the country so that we can reach the MDGs and Digital Bangladesh.

**Surveillance Summary**

| Description | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 [1] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of AFP cases | 1287 | 1365 | 1128 | 1301 | 1458 | 1619 | 1844 | 1790 | 1502 | 1537 | 307 |
| No. of compatible cases according to virologic classification system | 36 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| No. of cases with isolation of wild poliovirus | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 |
| No. of discarded polio cases (i.e., non-polio AFP) | 1251 | 1365 | 1128 | 1299 | 1458 | 1599 | 1844 | 1790 | 1502 | 1531 | 234 |
| No. of cases pending classification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 73 |
| Expected annual number of non-polio AFP cases (2/100,000 children <15 yr)* | 533 | 549 | 556 | 563 | 1094 | 1114 | 1135 | 1153 | 1151 | 1203 | 1220 |

**AFP Surveillance Performance Indicators**

| Indicators | Target | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 [1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 Annual Non-Polio AFP rate in children < 15 years old | ≥ 2.0 | 2.34 | 2.49 | 2.03 | 2.31 | 2.66 | 2.87 | 3.25 | 3.10 | 2.61 | 2.62 | 1.71 |
| 02 Completeness of passive reporting from facilities | ≥ 90% | 65% | 62% | 67% | 82% | 91% | 89% | 90% | 93% | 91% | 91% | 91% |
| 03 Timeliness of passive reporting from facilities | ≥ 80% | 38% | 36% | 62% | 75% | 84% | 83% | 85% | 87% | 86% | 84% | 85% |
| 04 Suspected AFP cases investigated within 48 hours of notification | ≥ 80% | 96% | 96% | 98% | 98% | 99% | 100% | 99% | 99% | 99% | 98% | 99% |
| 05 Confirmed AFP cases with 2 stool specimens collected within 14 days after paralysis onset | ≥ 80% | 80% | 89% | 90% | 90% | 92% | 93% | 92% | 92% | 94% | 95% | 95% |
| 06 Stool specimens arriving at laboratory within 3 days after collection | ≥ 80% | 97% | 98% | 99% | 99% | 98% | 99% | 100% | 100% | 100% | 100% | 100% |
| 07 Stool specimens arriving at laboratory in "good" condition<br>"good" = 1. Presence of unmelted ice or temperature <8°C<br>2. Adequate volume (≥ 8 grams or size of ½ thumb)<br>3. No evidence of leakage<br>4. No evidence of desiccation (drying) | ≥ 90% | 100% | 99% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| 08 Confirmed AFP cases receiving a follow-up exam at least 60 days after paralysis onset | ≥ 80% | 93% | 99% | 100% | 98% | 99% | 100% | 100% | 99% | 99% | 98% | 56%[2] |
| 09 Stool specimens with laboratory results:<br> - Within 28 days after specimen receipt (old algorithm) | ≥ 80% | 99% | 100% | 100% | 100% | 100% | 98% | 100% | - | - | - | - |
|  - Within 14 days after specimen receipt (new algorithm) | ≥ 80% |  |  |  |  |  |  | 80% | 93% | 95% | 96% | 97% |
| 10 Stool specimens from which non-polio enterovirus (NPEV) was isolated | ≥ 10% | 29% | 28% | 23% | 20% | 20% | 15% | 15% | 23% | 19% | 19% | 9% |

[1] Data as of March 26, 2011; [2] among cases occurring up to January 9, 2011; * Prior to 2005 NPAFP rate calculated as 1/100,000 under 15 children

# AFP Surveillance Performance Indicators, 2010 - 2011

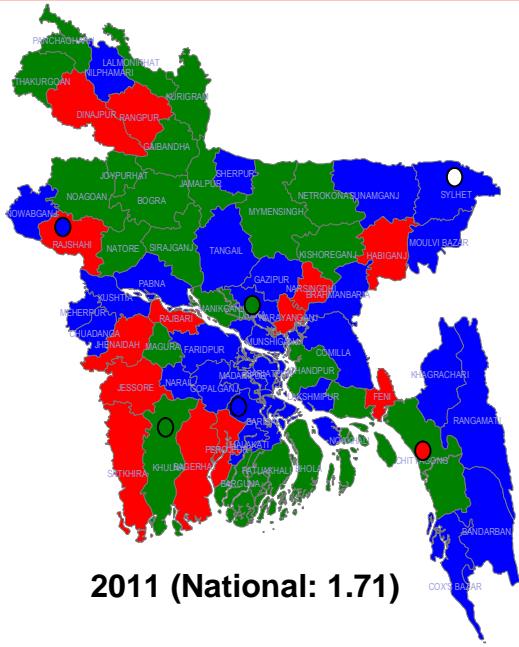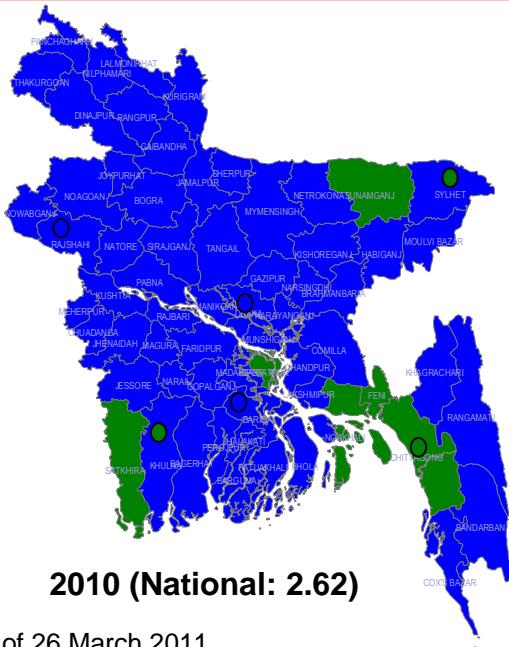| District | Minimum operational target of non-polio AFP[1] | | Total # AFP[1] | | Wild polio-virus isolated | | # Compatible cases | | Non- Polio AFP cases[1] | | Pending final classif.[1] | | Annualized Non-polio AFP Rate[1] | | Notification within 10 d after paralysis onset[1] | | Investigation within 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] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| **Barisal Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Barguna | 8 | 9 | 8 | 3 | | | | | 8 | 1 | 0 | 2 | 2.01 | 1.07 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Barisal (non BCC) | 21 | 21 | 29 | 6 | | | | | 29 | 6 | 0 | 0 | 2.90 | 2.56 | 100% | 100% | 100% | 100% | 97% | 100% | 100% | 100% | 100% | NA |
| BCC only | 3 | 3 | 4 | 2 | | | | | 4 | 2 | 0 | 0 | 3.78 | 8.07 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Bhola | 17 | 17 | 25 | 5 | | | | | 25 | 3 | 0 | 2 | 3.12 | 1.60 | 96% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Jhalakati | 7 | 7 | 11 | 4 | | | | | 11 | 4 | 0 | 0 | 3.37 | 5.24 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Patuakhali | 14 | 15 | 15 | 4 | | | | | 15 | 3 | 0 | 1 | 2.17 | 1.86 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Perojpur | 11 | 11 | 19 | 3 | | | | | 19 | 1 | 0 | 2 | 3.67 | 0.82 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| *Total_BAR* | *81* | *83* | *111* | *27* | *0* | *0* | *0* | *0* | *111* | *20* | *0* | *7* | *2.89* | *2.22* | *99%* | *100%* | *100%* | *100%* | *99%* | *100%* | *100%* | *100%* | *100%* | *NA* |
| **CTG Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Bandarban | 3 | 3 | 5 | 1 | | | | | 5 | 1 | 0 | 0 | 3.53 | 3.01 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Brahmanbaria | 23 | 23 | 30 | 9 | | | | | 30 | 7 | 0 | 2 | 2.68 | 2.67 | 100% | 100% | 100% | 100% | 97% | 100% | 98% | 100% | 100% | NA |
| Chandpur | 22 | 22 | 23 | 5 | | | | | 23 | 3 | 0 | 2 | 2.18 | 1.21 | 91% | 80% | 100% | 100% | 91% | 80% | 100% | 100% | 100% | NA |
| Chittagong (non CCC) | 42 | 42 | 42 | 7 | | | | | 41 | 6 | 1 | 1 | 1.99 | 1.24 | 83% | 100% | 100% | 100% | 83% | 100% | 100% | 100% | 87% | 0% |
| CCC only | 21 | 21 | 18 | 1 | | | | | 18 | 1 | 0 | 0 | 1.76 | 0.42 | 94% | 100% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | NA |
| Comilla | 44 | 44 | 63 | 15 | | | | | 63 | 12 | 0 | 3 | 2.91 | 2.37 | 97% | 100% | 100% | 100% | 97% | 100% | 100% | 100% | 100% | NA |
| Cox's Bazar | 17 | 17 | 20 | 6 | | | | | 19 | 4 | 1 | 2 | 2.29 | 2.06 | 95% | 100% | 100% | 100% | 95% | 100% | 100% | 100% | 100% | 100% |
| Feni | 12 | 12 | 7 | 2 | | | | | 7 | 1 | 0 | 1 | 1.23 | 0.75 | 100% | 100% | 86% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Khagrachari | 5 | 5 | 8 | 3 | | | | | 8 | 2 | 0 | 1 | 3.29 | 3.51 | 88% | 67% | 100% | 100% | 88% | 67% | 100% | 100% | 100% | NA |
| Lakshmipur | 15 | 15 | 17 | 4 | | | | | 17 | 4 | 0 | 0 | 2.43 | 2.44 | 94% | 100% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | 100% |
| Noakhali | 25 | 25 | 17 | 6 | | | | | 17 | 5 | 0 | 1 | 1.40 | 1.76 | 100% | 83% | 71% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Rangamati | 5 | 6 | 7 | 2 | | | | | 7 | 2 | 0 | 0 | 2.83 | 3.45 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | NA |
| *Total-CTG* | *234* | *235* | *257* | *61* | *0* | *0* | *0* | *0* | *255* | *48* | *2* | *13* | *2.24* | *1.80* | *94%* | *95%* | *98%* | *100%* | *94%* | *97%* | *100%* | *100%* | *98%* | *75%* |
| **Dhaka Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 24 | 24 | 45 | 11 | | | | | 45 | 8 | 0 | 3 | 3.84 | 2.92 | 93% | 91% | 100% | 100% | 98% | 91% | 99% | 100% | 82% | NA |
| DCC only | 58 | 59 | 70 | 10 | | | | | 70 | 7 | 0 | 3 | 2.42 | 1.03 | 96% | 100% | 100% | 100% | 94% | 90% | 100% | 100% | 100% | 0% |
| Faridpur | 17 | 17 | 17 | 7 | | | | | 17 | 7 | 0 | 0 | 2.07 | 3.64 | 94% | 86% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | NA |
| Gazipur | 20 | 20 | 27 | 7 | | | | | 27 | 5 | 0 | 2 | 2.83 | 2.24 | 100% | 86% | 100% | 100% | 96% | 86% | 100% | 100% | 80% | NA |
| Gopalganj | 11 | 12 | 16 | 5 | | | | | 16 | 4 | 0 | 1 | 2.95 | 3.15 | 88% | 100% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | NA |
| Jamalpur | 20 | 21 | 36 | 4 | | | | | 36 | 3 | 0 | 1 | 3.63 | 1.29 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Kishoreganj | 25 | 25 | 42 | 6 | | | | | 42 | 5 | 0 | 1 | 3.49 | 1.77 | 90% | 83% | 93% | 100% | 93% | 67% | 100% | 100% | 92% | NA |
| Madaripur | 11 | 11 | 12 | 4 | | | | | 12 | 4 | 0 | 0 | 2.25 | 3.21 | 100% | 100% | 92% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Manikganj | 13 | 13 | 23 | 4 | | | | | 23 | 2 | 0 | 2 | 3.75 | 1.39 | 100% | 100% | 100% | 100% | 100% | 100% | 98% | 100% | 100% | NA |
| Munshiganj | 13 | 13 | 20 | 3 | | | | | 19 | 3 | 1 | 0 | 3.13 | 2.11 | 100% | 100% | 100% | 100% | 95% | 100% | 100% | 83% | 100% | NA |
| Mymensingh | 43 | 43 | 48 | 10 | | | | | 48 | 7 | 0 | 3 | 2.28 | 1.42 | 88% | 90% | 100% | 100% | 96% | 90% | 100% | 100% | 100% | NA |
| Narayanganj | 21 | 21 | 24 | 2 | | | | | 24 | 2 | 0 | 0 | 2.35 | 0.84 | 100% | 100% | 100% | 100% | 96% | 100% | 100% | 100% | 100% | NA |
| Narsingdhi | 18 | 19 | 25 | 2 | | | | | 25 | 1 | 0 | 1 | 2.79 | 0.48 | 92% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Netrokona | 19 | 19 | 31 | 6 | | | | | 30 | 3 | 1 | 3 | 3.23 | 1.38 | 87% | 83% | 100% | 100% | 94% | 83% | 100% | 100% | 100% | NA |
| Rajbari | 9 | 10 | 11 | 1 | | | | | 10 | 1 | 1 | 0 | 2.23 | 0.95 | 91% | 100% | 100% | 100% | 91% | 100% | 100% | 100% | 100% | NA |
| Sariatpur | 11 | 11 | 10 | 3 | | | | | 10 | 3 | 0 | 0 | 1.96 | 2.52 | 90% | 100% | 100% | 100% | 90% | 100% | 100% | 100% | 100% | NA |
| Sherpur | 12 | 13 | 15 | 3 | | | | | 15 | 3 | 0 | 0 | 2.51 | 2.15 | 87% | 100% | 100% | 100% | 93% | 100% | 100% | 100% | 100% | NA |
| Tangail | 31 | 32 | 35 | 10 | | | | | 35 | 9 | 0 | 1 | 2.28 | 2.50 | 97% | 90% | 100% | 100% | 91% | 100% | 100% | 100% | 89% | NA |
| *Total-DHAKA* | *376* | *383* | *507* | *98* | *0* | *0* | *0* | *0* | *504* | *77* | *3* | *21* | *2.74* | *1.79* | *94%* | *93%* | *99%* | *100%* | *95%* | *93%* | *100%* | *99%* | *96%* | *0%* |
| **Khulna Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Bagerhat | 15 | 15 | 16 | 1 | | | | | 16 | 1 | 0 | 0 | 2.24 | 0.60 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Chuadanga | 10 | 10 | 20 | 5 | | | | | 20 | 4 | 0 | 1 | 4.22 | 3.61 | 100% | 100% | 90% | 80% | 85% | 100% | 100% | 100% | 100% | NA |
| Jessore | 24 | 24 | 33 | 4 | | | | | 33 | 2 | 0 | 2 | 2.84 | 0.73 | 94% | 75% | 100% | 100% | 97% | 75% | 100% | 100% | 100% | NA |
| Jhenaidah | 15 | 15 | 18 | 1 | | | | | 18 | 0 | 0 | 1 | 2.44 | 0.00 | 89% | 100% | 100% | 100% | 89% | 100% | 100% | 100% | 100% | NA |
| Khulna (non KCC) | 14 | 15 | 22 | 2 | | | | | 22 | 2 | 0 | 0 | 3.18 | 1.23 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| KCC only | 9 | 9 | 8 | 1 | | | | | 8 | 1 | 0 | 0 | 1.91 | 1.02 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Kushtia | 17 | 17 | 17 | 6 | | | | | 17 | 5 | 0 | 1 | 2.08 | 2.61 | 100% | 100% | 88% | 83% | 88% | 100% | 100% | 100% | 100% | NA |
| Magura | 8 | 8 | 10 | 2 | | | | | 10 | 1 | 0 | 1 | 2.58 | 1.10 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Meherpur | 6 | 6 | 10 | 2 | | | | | 10 | 2 | 0 | 0 | 3.61 | 3.09 | 90% | 100% | 100% | 100% | 70% | 100% | 100% | 100% | 100% | NA |
| Narail | 7 | 7 | 7 | 2 | | | | | 7 | 2 | 0 | 0 | 2.14 | 2.61 | 86% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Satkhira | 18 | 18 | 17 | 2 | | | | | 17 | 1 | 0 | 1 | 1.96 | 0.49 | 100% | 50% | 100% | 100% | 94% | 50% | 100% | 100% | 100% | NA |
| *Total-KHU* | *143* | *144* | *178* | *28* | *0* | *0* | *0* | *0* | *178* | *21* | *0* | *7* | *2.59* | *1.30* | *97%* | *93%* | *98%* | *93%* | *93%* | *93%* | *100%* | *100%* | *100%* | *NA* |
| **Raj Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Bogra | 29 | 29 | 29 | 6 | | | | | 29 | 6 | 0 | 0 | 2.04 | 1.80 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Dinajpur | 25 | 26 | 36 | 2 | | | | | 36 | 2 | 0 | 0 | 2.89 | 0.69 | 92% | 100% | 100% | 100% | 92% | 50% | 100% | 100% | 100% | NA |
| Gaibandha | 21 | 21 | 24 | 5 | | | | | 24 | 4 | 0 | 1 | 2.39 | 1.70 | 96% | 80% | 100% | 80% | 96% | 80% | 100% | 100% | 100% | NA |
| Joypurhat | 9 | 9 | 11 | 3 | | | | | 10 | 1 | 1 | 2 | 2.48 | 1.06 | 91% | 100% | 91% | 100% | 91% | 100% | 100% | 100% | 100% | 100% |
| Kurigram | 17 | 17 | 25 | 3 | | | | | 25 | 2 | 0 | 1 | 3.01 | 1.03 | 100% | 100% | 96% | 100% | 96% | 100% | 100% | 100% | 100% | 100% |
| Lalmonirhat | 11 | 11 | 16 | 2 | | | | | 16 | 2 | 0 | 0 | 3.08 | 1.64 | 94% | 50% | 94% | 50% | 100% | 100% | 100% | 100% | 100% | NA |
| Natore | 15 | 15 | 31 | 2 | | | | | 31 | 2 | 0 | 0 | 4.34 | 1.20 | 97% | 100% | 100% | 100% | 97% | 100% | 100% | 100% | 100% | NA |
| Nilphamari | 15 | 15 | 19 | 5 | | | | | 19 | 5 | 0 | 0 | 2.58 | 2.90 | 89% | 100% | 100% | 100% | 89% | 100% | 100% | 100% | 100% | NA |
| Noagoan | 23 | 23 | 30 | 6 | | | | | 30 | 5 | 0 | 1 | 2.67 | 1.90 | 97% | 100% | 100% | 100% | 97% | 100% | 100% | 100% | 100% | NA |
| Nowabganj | 14 | 14 | 31 | 4 | | | | | 31 | 4 | 0 | 0 | 4.63 | 2.55 | 97% | 75% | 100% | 100% | 97% | 75% | 100% | 100% | 100% | NA |
| Pabna | 21 | 21 | 26 | 7 | | | | | 26 | 5 | 0 | 2 | 2.55 | 2.09 | 92% | 88% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | NA |
| Panchagharh | 8 | 9 | 15 | 1 | | | | | 15 | 1 | 0 | 0 | 3.80 | 1.08 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Rajshahi (non RCC) | 18 | 19 | 26 | 3 | | | | | 26 | 1 | 0 | 2 | 2.93 | 0.48 | 96% | 100% | 100% | 100% | 92% | 100% | 98% | 100% | 100% | NA |
| RCC only | 4 | 4 | 6 | 1 | | | | | 6 | 1 | 0 | 0 | 3.28 | 2.34 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Rangpur | 24 | 25 | 26 | 3 | | | | | 26 | 0 | 0 | 3 | 2.18 | 0.00 | 100% | 100% | 100% | 100% | 88% | 67% | 100% | 100% | 100% | NA |
| Sirajganj | 26 | 26 | 26 | 8 | | | | | 26 | 3 | 0 | 5 | 2.06 | 1.02 | 100% | 88% | 96% | 100% | 96% | 88% | 100% | 100% | 100% | NA |
| Thakurgoan | 12 | 12 | 18 | 4 | | | | | 18 | 2 | 0 | 2 | 3.15 | 1.49 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| *Total-RAJ* | *292* | *296* | *395* | *65* | *0* | *0* | *0* | *0* | *394* | *46* | *1* | *19* | *2.78* | *1.39* | *96%* | *94%* | *99%* | *97%* | *95%* | *94%* | *100%* | *100%* | *100%* | *100%* |
| **Sylhet Division** | | | | | | | | | | | | | | | | | | | | | | | | |
| Habiganj | 17 | 17 | 28 | 2 | | | | | 28 | 1 | 0 | 1 | 3.40 | 0.52 | 96% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Moulvi Bazar | 16 | 16 | 18 | 7 | | | | | 18 | 6 | 0 | 1 | 2.37 | 3.38 | 83% | 71% | 100% | 100% | 89% | 100% | 97% | 100% | 100% | NA |
| Sunamganj | 19 | 20 | 17 | 10 | | | | | 17 | 7 | 0 | 3 | 1.81 | 3.19 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA |
| Sylhet (non SCC) | 21 | 22 | 23 | 9 | | | | | 23 | 8 | 0 | 1 | 2.19 | 3.26 | 100% | 89% | 100% | 89% | 100% | 89% | 100% | 100% | 100% | NA |
| SCC only | 4 | 4 | 3 | 0 | | | | | 3 | 0 | 0 | 0 | 1.99 | 0.00 | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | NA |
| *Total-SYL* | *77* | *79* | *89* | *28* | *0* | *0* | *0* | *0* | *89* | *22* | *0* | *6* | *2.39* | *2.53* | *96%* | *89%* | *100%* | *96%* | *98%* | *96%* | *99%* | *100%* | *100%* | *NA* |
| *National* | *1203* | *1220* | *1537* | *307* | *0* | *0* | *0* | *0* | *1531* | *234* | *6* | *73* | *2.62* | *1.71* | *95%* | *94%* | *99%* | *98%* | *95%* | *95%* | *100%* | *100%* | *98%* | *56%* |

[1]Data as of Epidemiologic Week 12, March 26, 2011, [2] for cases occuring upto 9 January, 2011 which has inadeqate stool or positive isolate at NPL or NPEV
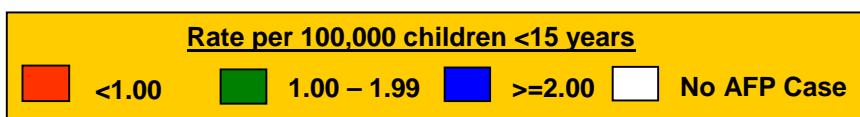
# Disease Surveillance, 2010 - 2011

| 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 | | | |
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| **Barisal Division** | | | | | | | | | | | | | | | | |
| Barguna | 1 | | 2 | | | | 1 | 2 | 8 | 7 | | | | | 10 | 1 |
| Barisal (non BCC) | 2 | 1 | 3 | 2 | | | | | 4 | | | | | | 63 | 4 |
| BCC only | | | | | | | 2 | | 2 | | | | | | 4 | |
| Bhola | 2 | | 4 | | 3 | | | | 2 | | | | | | 2 | |
| Jhalakhati | | | | | | | 1 | | 1 | | | | | | 28 | |
| Patuakhali | 4 | | 3 | | 4 | | 1 | 4 | 7 | 4 | | | | | 1 | 1 |
| Pirojpur | | | | | | | 1 | | 13 | 1 | | | | | 13 | |
| *Total_BAR* | 9 | 1 | 12 | 2 | 7 | 0 | 6 | 6 | 37 | 12 | | | 0 | 0 | 121 | 6 |
| **CTG Division** | | | | | | | | | | | | | | | | |
| Bandarban | | | | | | | | | 1 | | | | | | 2 | |
| Brahmanbaria | 4 | | 2 | | 1 | | | | 11 | 2 | | | | | 13 | |
| Chandpur | 2 | | 1 | | 2 | | 3 | | 44 | | 1 (100%) | 1 (100%) | 18 | 24 | 16 | 2 |
| Chittagong (non CCC) | | 1 | | | | | 2 | 2 | 9 | 3 | | | | | 11 | |
| CCC only | 6 | | 5 | | 6 | | 9 | 9 | 3 | 7 | | | | | 1 | |
| Comilla | 4 | | | | 5 | | 1 | | 29 | | | | | | 13 | |
| Cox's Bazar | 1 | | 1 | | 1 | | 1 | 1 | 7 | | | | | | 2 | |
| Feni | 4 | | 3 | | 4 | | | 1 | 2 | 3 | | | | | 6 | |
| Khagrachari | | | | | | | | | 10 | 1 | | | | | 3 | |
| Laxmipur | 5 | | 11 | 1 | 6 | | 2 | 1 | 46 | 3 | | | | | 16 | 1 |
| Noakhali | 4 | | 4 | | 5 | | | 1 | 5 | 7 | | | | | 9 | 1 |
| Rangamati | | | | | | | 5 | 4 | 15 | 3 | | | | | 6 | |
| Total-CTG | 30 | 0 | 28 | 1 | 30 | 0 | 25 | 19 | 182 | 29 | 1 (100%) | 1 (100%) | 18 | 24 | 98 | 4 |
| **Dhaka Division** | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 3 | | 1 | | 4 | | 1 | 8 | 39 | 3 | 1 (100%) | | 87 | | 28 | |
| DCC only | 4 | 1 | 2 | | 3 | 1 | 19 | 20 | 230 | 16 | | | | | 36 | 3 |
| Faridpur | 4 | | 7 | | 3 | | | | 6 | | | | | | 58 | 3 |
| Gazipur | 1 | | 1 | | 1 | | 6 | 1 | 28 | 3 | | | | | 21 | 4 |
| Gopalganj | | 2 | | 3 | | | 2 | 1 | 1 | | | 1 (100%) | | 11 | 18 | 1 |
| Jamalpur | 2 | | 1 | | 1 | | | | 109 | 8 | | | | | 19 | 2 |
| Kishoreganj | 5 | 1 | 8 | 3 | 5 | 2 | 1 | | 56 | 3 | | | | | 22 | |
| Madaripur | | 3 | | 3 | | | 2 | | 6 | | | | | | 52 | 6 |
| Manikganj | | | | | | | | | 15 | | | | | | 24 | |
| Munshiganj | | | | | | | 2 | | 91 | 2 | 1 (100%) | | 46 | | 28 | 1 |
| Mymensingh | 4 | 3 | 9 | 1 | 3 | 4 | 4 | 1 | 45 | 5 | | | | | 52 | 1 |
| Narayanganj | 1 | | | | 1 | | 1 | | 23 | 2 | | | | | 27 | 2 |
| Narsingdhi | | | | | | | | | 15 | 2 | | | | | 41 | 5 |
| Netrokona | 1 | | 4 | | | | | | 36 | 6 | | | | | 3 | 1 |
| Rajbari | 1 | | 1 | | 1 | | | | 10 | 3 | | | | | 30 | 4 |
| Shariatpur | | | 1 | | | | | | 21 | 4 | | | | | 22 | 1 |
| Sherpur | | | 3 | | | | | 1 | 21 | 2 | | | | | 12 | |
| Tangail | 4 | 1 | 3 | | 4 | 1 | 11 | | 20 | 2 | | | | | 58 | 3 |
| Total-DHAKA | 30 | 11 | 41 | 10 | 26 | 8 | 49 | 32 | 772 | 61 | 2 (100%) | 1 (100%) | 133 | 11 | 551 | 37 |
| **Khulna Division** | | | | | | | | | | | | | | | | |
| Bagerhat | 2 | 1 | 3 | 1 | 2 | | | | 7 | 3 | 1(100%) | | 12 | | 97 | 5 |
| Chuadanga | 2 | | 2 | | 1 | | | | 3 | 2 | | | | | 10 | 2 |
| Jessore | 2 | | 2 | | 2 | | 5 | | 21 | | | | | | 31 | |
| Jhenaidah | 1 | | 1 | | 1 | | 2 | 2 | 7 | 6 | | | | | 8 | 1 |
| Khulna (non KCC) | | | | | | | | | 19 | 1 | | | | | 43 | 5 |
| KCC only | 1 | | 1 | 1 | 1 | | | | 1 | | | | | | 24 | 2 |
| Kushtia | 1 | 1 | | | 1 | 1 | 2 | 3 | 16 | 4 | | | | | 9 | 3 |
| Magura | | | | | | | | | 10 | | | | | | 20 | 2 |
| Meherpur | | | | | | | 2 | 1 | 20 | 8 | | | | | 2 | |
| Narail | 1 | | 3 | | 1 | | 1 | 1 | 15 | 1 | | | | | 6 | 1 |
| Satkhira | 1 | | 1 | | 1 | | 2 | | 10 | 1 | | | | | 28 | |
| Total-KHU | 11 | 2 | 13 | 3 | 10 | 0 | 14 | 7 | 129 | 26 | 1(100%) | | 12 | 0 | 278 | 21 |
| **Raj Division** | | | | | | | | | | | | | | | | |
| Bogra | 2 | | 1 | | 2 | | 3 | | 36 | 6 | | | | | 125 | 4 |
| Dinajpur | 1 | | 2 | | 1 | | 1 | 1 | 25 | 2 | | | | | 51 | 3 |
| Gaibandha | 1 | | 1 | | 1 | | | | 4 | 3 | | | | | 28 | 1 |
| Joypurhat | | | | | | | | | 1 | 7 | | | | | 27 | |
| Kurigram | 2 | | | | 2 | | 1 | 1 | 1 | | | | | | 12 | |
| Lalmonirhat | | | | | | | | 1 | 1 | | | | | | 24 | 3 |
| Natore | 1 | | 1 | | 1 | | 1 | | 39 | 3 | | | | | 28 | 2 |
| Nilphamari | | | | | | | 1 | | 1 | | | | | | 31 | |
| Noagaon | | 1 | | | | 1 | 11 | 6 | 41 | 5 | | | | | 51 | 2 |
| Nowabganj | 1 | | 1 | | 1 | | 2 | 1 | 20 | 5 | | | | | 7 | 1 |
| Pabna | 1 | 1 | 1 | | 1 | 1 | 3 | | 113 | 13 | | | | | 24 | |
| Panchagarh | | | | | | | 1 | | 3 | | | | | | 17 | |
| Rajshahi (non RCC) | 2 | | 1 | | 2 | | 3 | 1 | 14 | 4 | 1(100%) | | 57 | | 37 | 3 |
| RCC only | | | | | | | 3 | 9 | 22 | 11 | 1(100%) | | 40 | | 42 | 1 |
| Rangpur | 1 | | 1 | | 1 | | | | | | | | | | 7 | |
| Sirajganj | 1 | | | | | | | | 1 | 1 | | | | | 9 | |
| Thakurgaon | | | | | | | 4 | | 16 | | | | | | 22 | 1 |
| Total-RAJ | 13 | 2 | 9 | 0 | 13 | 2 | 35 | 20 | 338 | 60 | 2(100%) | | 97 | 0 | 542 | 21 |
| **Sylhet Division** | | | | | | | | | | | | | | | | |
| Habiganj | 7 | 2 | 7 | 3 | 2 | | 5 | 1 | 9 | 1 | | | | | 6 | |
| Maulvibazar | 2 | 1 | 3 | | 1 | | 18 | | 24 | 2 | | | | | 4 | 1 |
| Sunamganj | 5 | | 4 | 1 | 5 | | 6 | 5 | 6 | 14 | | 1 (100%) | | 48 | 20 | |
| Sylhet (non SCC) | | | | | | | 19 | 2 | 29 | 7 | | | | | 2 | 1 |
| SCC only | | | | | | | 16 | 1 | 9 | 1 | | | | | | 1 |
| Total-SYL | 14 | 3 | 14 | 4 | 8 | 0 | 64 | 9 | 77 | 25 | | 1 (100%) | 0 | 48 | 32 | 3 |
| | | | | | | | | | | | | | | | | |
| **National** | 107 | 19 | 117 | 20 | 94 | 10 | 193 | 93 | 1,535 | 213 | 6(100%) | 3 (100%) | 260 | 83 | 1,622 | 92 |

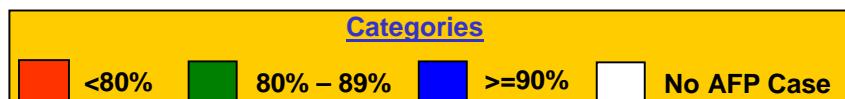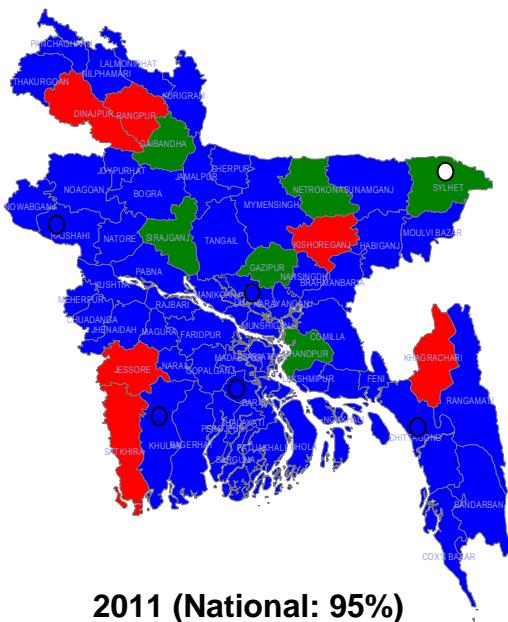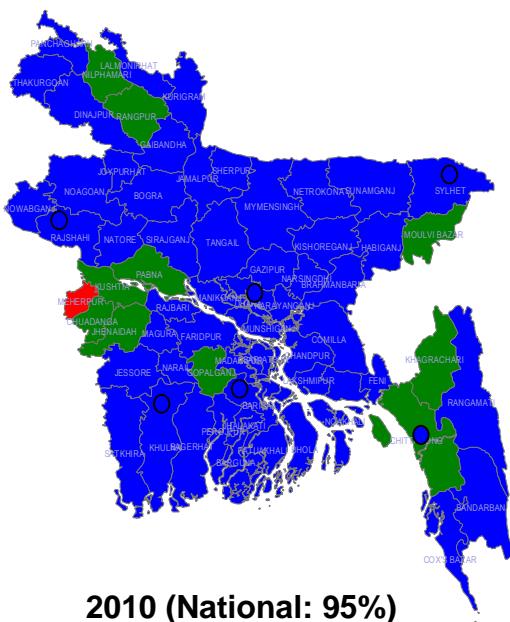Data as of 31 March 2011, * Only Lab Confirmed Measles and Mixed Type outbreak Cases

# Annualized Non-Polio AFP Rate, by District, Bangladesh 2010-2011*

**2010 (National: 2.62)**

**2011 (National: 1.71)**

*Data as of 26 March 2011

| Rate per 100,000 children <15 years | | | |
|---|---|---|---|
| 🟥 <1.00 | 🟩 1.00 – 1.99 | 🟦 >=2.00 | ⬜ No AFP Case |

# Percentage of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2010-2011*

**2010 (National: 95%)**

**2011 (National: 95%)**

| Categories | | | |
|---|---|---|---|
| 🟥 <80% | 🟩 80% – 89% | 🟦 >=90% | ⬜ No AFP Case |

*Data as of 26 March 2011