



EPI Surveillance Bulletin

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Bangladesh introduces new vaccine to prevent severe forms of child pneumonia and meningitis 4 million children to be vaccinated annually with new combination vaccine protecting against 5 killer diseases

Bangladesh EPI has introduced a new combination vaccine that will protect its children against five killer diseases in one injection, including, for the first time, the deadly bacterium *Haemophilus influenzae* type b (Hib) that causes some severe forms of pneumonia and meningitis. The new combination or 5-in-1 vaccine will protect children against Hib and four other **deadly diseases: diphtheria, tetanus, pertussis, and hepatitis B.**

The Launching ceremony for introduction of Hib vaccine in the form of Pentavalent vaccine (DPT, Hep-B and Hib) held on 15 January 2009 at Khulna City Corporation. In the launching ceremony, the Honb'le Minister, Ministry of Health and Family Welfare, Prof A.F.M Ruhal Haque was the Chief Guest. In this occasion, the State Minister of the Ministry of Labour and Employment, the Mayor of Khulna City Corporation, the Secretary of Ministry of Health and Family Welfare, the WHO Representative to Bangladesh and Chief, Health and Nutrition, UNICEF were also present as Special Guests. The meeting was chaired by Director General of Health Services. Following the speeches, the Chief Guest along with Special Guests and Representatives of other UN agencies and partners administered the first shots of the combination vaccine to the children.

Each year, Hib is estimated to cause millions of serious illnesses and 400,000 deaths globally, the majority of them among children under five years of age. Even with treatment, thousands of children die of Hib disease every year. Survivors are often permanently disabled, paralyzed, deafened or brain damaged. The vaccine will be provided under the routine immunization programme to nearly four million children born in Bangladesh every year. In the first phase, the new vaccine is being administered in Khulna City Corporation and Khulna District. EPI has planned to introduce this Hib pentavalent vaccine phase wise all over the country by July 2009. As Bangladesh records high routine immunization coverage, it is estimated that Hib vaccine can save about 20,000 children's lives annually.

Hib vaccine is a safe, effective and highly cost-effective intervention. Instead of three different injections (DPT, Hepatitis B and Hib), children will only need one injection at three different times during their first year of life: at the age of 6 weeks, 10 weeks and 14 weeks. This will make it easier for health workers who will need less time and less logistics to immunize all children. At the same time, the use of the combination vaccine containing five antigens in one shot will increase the Routine Immunization Coverage.

The introduction of the 5-in-1 Hib pentavalent vaccine in Bangladesh is carried out with the financial and technical support from the GAVI Alliance and its key partners including UNICEF, WHO and the Hib Initiative. GAVI is supporting the training of about 60,000 health and family planning workers together with WHO and UNICEF for introduction of this vaccine.

This life-saving vaccine represents an important step forward in preventing childhood diseases in Bangladesh. It will greatly help our country to achieve Millennium Development Goal 4 which aims at reducing under-five mortality.



Surveillance Summary

| Description | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 ¹ |
|--|------|------|------|------|------|------|------|------|-------------------|
| Number of AFP cases | 1287 | 1365 | 1128 | 1301 | 1458 | 1619 | 1844 | 1790 | 183 |
| No. of compatible cases according to virologic classification system | 36 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 |
| No. of cases with isolation of wild poliovirus | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 |
| No. of discarded polio cases (i.e., non-polio AFP) | 1251 | 1365 | 1128 | 1299 | 1458 | 1599 | 1844 | 1774 | 122 |
| No. of cases pending classification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 61 |
| Expected annual number of non-polio AFP cases (1/100,000 children <15 yr)* | 533 | 549 | 556 | 563 | 1094 | 1114 | 1135 | 1153 | 1178 |

AFP Surveillance Performance Indicators

| Indicators | Target | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 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 | 3.07 | 1.35 |
| 02 Completeness of passive reporting from facilities | ≥ 90% | 65% | 62% | 67% | 82% | 91% | 89% | 90% | 93% | 91% |
| 03 Timeliness of passive reporting from facilities | ≥ 80% | 38% | 36% | 62% | 75% | 84% | 83% | 85% | 87% | 86% |
| 04 Suspected AFP cases investigated within 48 hours of notification | ≥ 80% | 96% | 96% | 98% | 98% | 99% | 100% | 99% | 99% | 96% |
| 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% |
| 06 Stool specimens arriving at laboratory within 3 days after collection | ≥ 80% | 97% | 98% | 99% | 99% | 98% | 99% | 100% | 100% | 100% |
| 07 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% | 100% | 99% | 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% | 97% ² | - |
| 09 Stool specimens with laboratory results: - 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% | 96% |
| 10 Stool specimens from which non-polio enterovirus (NPEV) was isolated | ≥ 10% | 29% | 28% | 23% | 20% | 20% | 15% | 15% | 23% | 14% |

¹ Data as of February 21, 2009; ² among cases occurring up to December 7, 2008; * Prior to 2005 NPAFP rate calculated as 1/100,000 under 15 children

AFP Surveillance Performance Indicators, 2008 - 2009

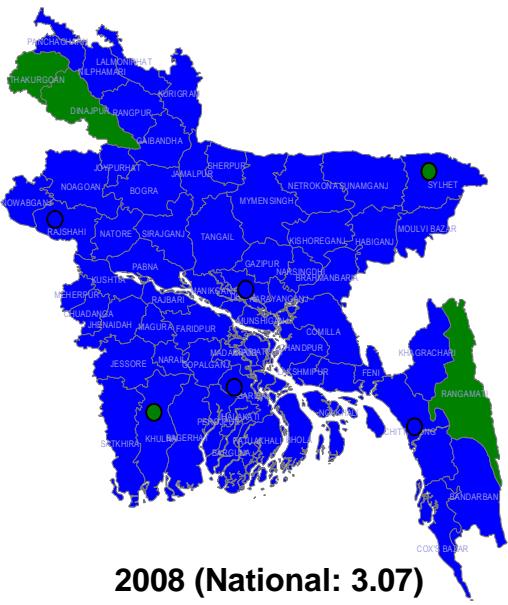
| District | Minimum operational target of non-polio AFP | | Total # AFP ¹ | | Wild polio-virus isolated | | Compatible cases [#] | | Non- Polio AFP cases ¹ | | Pending final classif. ¹ | | Annualized AFP Rate ¹ | | Annualized Non-polio AFP Rate ¹ | | Notification within 10 d after paralysis onset ¹ | | 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 | | | | | |
|-------------------------|---|------------|--------------------------|-----------|---------------------------|----------|-------------------------------|----------|-----------------------------------|-----------|-------------------------------------|-----------|----------------------------------|-------------|--|-------------|---|------------|---|-------------|---|-------------|---|-------------|--------------------------------------|-----------|------|----|------|--|
| | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | | | | |
| Barisal Division | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barguna | 7 | 7 | 12 | 0 | | | | | 12 | 0 | 0 | 0 | 3.23 | 0.00 | 3.23 | 0.00 | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | |
| Barisal (non BCC) | 18 | 18 | 51 | 4 | | | | | 50 | 2 | 1 | 2 | 5.61 | 2.84 | 5.50 | 1.42 | 94% | 100% | 98% | 100% | 92% | 100% | 100% | 100% | 100% | 93% | NA | | | |
| BCC only | 2 | 2 | 4 | 0 | | | | | 4 | 0 | 0 | 0 | 3.80 | 0.00 | 3.80 | 0.00 | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | NA | 100% | |
| Bhola | 16 | 16 | 62 | 9 | | | | | 61 | 7 | 1 | 2 | 7.95 | 7.39 | 7.82 | 5.75 | 94% | 100% | 100% | 100% | 97% | 89% | 100% | 100% | 95% | NA | | | | |
| Jhalakati | 6 | 6 | 13 | 1 | | | | | 13 | 1 | 0 | 0 | 4.42 | 2.20 | 4.42 | 2.20 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 67% | NA | | | |
| Patuakhali | 13 | 14 | 25 | 2 | | | | | 24 | 2 | 1 | 0 | 3.73 | 1.91 | 3.58 | 1.91 | 88% | 50% | 100% | 100% | 88% | 100% | 100% | 100% | 100% | 100% | NA | | | |
| Perojpur | 10 | 10 | 21 | 0 | | | | | 21 | 0 | 0 | 0 | 4.38 | 0.00 | 4.38 | 0.00 | 90% | NA | 100% | NA | 90% | NA | 100% | NA | 100% | NA | 100% | NA | | |
| Total_BAR | 72 | 73 | 188 | 16 | 0 | 0 | 0 | 0 | 185 | 12 | 3 | 4 | 5.21 | 2.85 | 5.13 | 2.14 | 94% | 94% | 99% | 100% | 94% | 94% | 100% | 100% | 95% | NA | | | | |
| CTG Division | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bandarban | 3 | 3 | 4 | 1 | | | | | 4 | 1 | 0 | 0 | 2.71 | 4.29 | 2.71 | 4.29 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | | |
| Brahmanbaria | 21 | 22 | 35 | 2 | | | | | 34 | 2 | 1 | 0 | 3.29 | 1.21 | 3.20 | 1.21 | 94% | 100% | 97% | 0% | 97% | 100% | 100% | 100% | 91% | NA | | | | |
| Chandpur | 22 | 23 | 34 | 4 | | | | | 34 | 2 | 0 | 2 | 3.04 | 2.25 | 3.04 | 1.13 | 94% | 75% | 100% | 100% | 88% | 50% | 100% | 100% | 100% | NA | | | | |
| Chittagong (non CCC) | 39 | 40 | 43 | 3 | | | | | 41 | 1 | 2 | 2 | 2.19 | 0.98 | 2.09 | 0.33 | 86% | 100% | 100% | 100% | 84% | 100% | 100% | 100% | 100% | NA | | | | |
| CCC only | 22 | 23 | 23 | 5 | | | | | 23 | 4 | 0 | 1 | 2.07 | 2.83 | 2.07 | 2.26 | 87% | 100% | 100% | 100% | 87% | 100% | 100% | 100% | 80% | NA | | | | |
| Comilla | 42 | 42 | 61 | 5 | | | | | 61 | 4 | 0 | 1 | 2.93 | 1.54 | 2.93 | 1.23 | 100% | 100% | 100% | 100% | 98% | 100% | 100% | 100% | 94% | NA | | | | |
| Cox's Bazar | 17 | 17 | 20 | 6 | | | | | 20 | 4 | 0 | 2 | 2.35 | 4.49 | 2.35 | 2.99 | 95% | 100% | 100% | 100% | 95% | 100% | 100% | 100% | 100% | NA | | | | |
| Feni | 11 | 11 | 18 | 1 | | | | | 18 | 0 | 0 | 1 | 3.28 | 1.16 | 3.28 | 0.00 | 100% | 100% | 100% | 100% | 94% | 100% | 100% | 100% | 100% | NA | | | | |
| Khagrachari | 6 | 6 | 7 | 0 | | | | | 7 | 0 | 0 | 0 | 2.40 | 0.00 | 2.40 | 0.00 | 100% | NA | 100% | NA | 86% | NA | 100% | NA | NA | NA | NA | | | |
| Lakshmipur | 13 | 14 | 20 | 1 | | | | | 20 | 1 | 0 | 0 | 2.98 | 0.96 | 2.98 | 0.96 | 90% | 100% | 100% | 100% | 85% | 100% | 100% | 100% | 100% | NA | | | | |
| Noakhali | 24 | 24 | 27 | 2 | | | | | 26 | 1 | 1 | 1 | 2.28 | 1.08 | 2.20 | 0.54 | 96% | 100% | 96% | 100% | 85% | 100% | 100% | 100% | 100% | NA | | | | |
| Rangamati | 5 | 5 | 3 | 1 | | | | | 3 | 1 | 0 | 0 | 1.13 | 2.39 | 1.13 | 2.39 | 67% | 100% | 100% | 100% | 67% | 100% | 100% | 100% | 100% | NA | | | | |
| Total-CTG | 225 | 230 | 295 | 31 | 0 | 0 | 0 | 0 | 291 | 21 | 4 | 10 | 2.61 | 1.75 | 2.58 | 1.19 | 94% | 97% | 99% | 94% | 91% | 94% | 100% | 100% | 96% | NA | | | | |
| Dhaka Division | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 28 | 30 | 46 | 8 | | | | | 46 | 8 | 0 | 0 | 3.23 | 3.47 | 3.23 | 3.47 | 89% | 100% | 100% | 100% | 87% | 88% | 100% | 100% | 100% | NA | | | | |
| DCC only | 71 | 74 | 88 | 6 | | | | | 88 | 4 | 0 | 2 | 2.50 | 1.05 | 2.50 | 0.70 | 86% | 83% | 100% | 100% | 90% | 100% | 100% | 100% | 93% | NA | | | | |
| Faridpur | 16 | 16 | 34 | 1 | | | | | 34 | 1 | 0 | 0 | 4.25 | 0.80 | 4.25 | 0.80 | 88% | 100% | 97% | 100% | 88% | 100% | 100% | 100% | 88% | NA | | | | |
| Gazipur | 19 | 19 | 27 | 2 | | | | | 27 | 1 | 0 | 1 | 2.92 | 1.38 | 2.92 | 0.69 | 93% | 100% | 100% | 100% | 93% | 100% | 100% | 100% | 100% | NA | | | | |
| Gopalganj | 10 | 10 | 31 | 7 | | | | | 30 | 4 | 1 | 3 | 6.13 | 8.91 | 5.93 | 5.09 | 74% | 86% | 94% | 100% | 74% | 71% | 100% | 100% | 100% | NA | | | | |
| Jamalpur | 19 | 20 | 53 | 8 | | | | | 52 | 5 | 1 | 3 | 5.51 | 5.33 | 5.41 | 3.33 | 96% | 100% | 92% | 100% | 98% | 100% | 100% | 100% | 86% | NA | | | | |
| Kishoreganj | 23 | 23 | 40 | 2 | | | | | 39 | 2 | 1 | 0 | 3.51 | 1.13 | 3.42 | 1.13 | 93% | 100% | 100% | 100% | 95% | 100% | 100% | 100% | 100% | NA | | | | |
| Madaripur | 10 | 10 | 20 | 2 | | | | | 20 | 0 | 0 | 2 | 4.08 | 2.64 | 4.08 | 0.00 | 100% | 100% | 100% | 100% | 0% | 95% | 100% | 100% | 100% | NA | | | | |
| Manikganj | 12 | 12 | 18 | 4 | | | | | 18 | 2 | 0 | 2 | 3.11 | 4.44 | 3.11 | 2.22 | 94% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | | | | |
| Munshiganj | 11 | 11 | 28 | 4 | | | | | 28 | 2 | 0 | 2 | 4.97 | 4.57 | 4.97 | 2.29 | 100% | 100% | 96% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | | | |
| Mymensingh | 40 | 41 | 47 | 2 | | | | | 46 | 1 | 1 | 1 | 2.34 | 0.64 | 2.29 | 0.32 | 83% | 100% | 98% | 100% | 87% | 100% | 100% | 100% | 100% | NA | | | | |
| Narayanganj | 20 | 21 | 27 | 2 | | | | | 27 | 1 | 0 | 1 | 2.64 | 1.25 | 2.64 | 0.62 | 93% | 100% | 100% | 100% | 93% | 100% | 100% | 100% | 100% | NA | | | | |
| Narsingdhi | 18 | 18 | 25 | 2 | | | | | 25 | 2 | 0 | 0 | 2.76 | 1.41 | 2.76 | 1.41 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | | | | |
| Netrokona | 18 | 18 | 28 | 0 | | | | | 27 | 0 | 1 | 0 | 3.13 | 0.00 | 3.01 | 0.00 | 89% | NA | 100% | NA | 96% | NA | 100% | NA | 100% | NA | | | | |
| Rajbari | 9 | 9 | 14 | 1 | | | | | 14 | 0 | 0 | 1 | 3.24 | 1.49 | 3.24 | 0.00 | 86% | 100% | 93% | 100% | 86% | 100% | 100% | 100% | 80% | NA | | | | |
| Sariatpur | 10 | 10 | 29 | 3 | | | | | 29 | 2 | 0 | 1 | 5.91 | 3.92 | 5.91 | 2.61 | 86% | 100% | 97% | 100% | 93% | 100% | 100% | 100% | 100% | NA | | | | |
| Sherpur | 11 | 11 | 18 | 3 | | | | | 18 | 1 | 0 | 2 | 3.18 | 3.41 | 3.18 | 1.14 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | NA | | | | |
| Tangail | 29 | 29 | 46 | 2 | | | | | 46 | 0 | 0 | 2 | 3.21 | 0.90 | 3.21 | 0.00 | 87% | 100% | 100% | 100% | 91% | 100% | 100% | 100% | 100% | NA | | | | |
| Total-DHAKA | 374 | 382 | 619 | 59 | 0 | 0 | 0 | 0 | 614 | 36 | 5 | 23 | 3.32 | 2.01 | 3.29 | 1.23 | 90% | 97% | 97% | 98% | 92% | 100% | 100% | 98% | NA | | | | | |
| Khulna Division | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bagerhat | 13 | 13 | 19 | 4 | | | | | 19 | 1 | 0 | 3 | 2.90 | 3.95 | 2.90 | 0.99 | 100% | 100% | 100% | 100% | 87% | 100% | 100% | 100% | 100% | NA | | | | |
| Chuadanga | 10 | 10 | 23 | 2 | | | | | 23 | 1 | 0 | 1 | 4.73 | 2.61 | 4.73 | 1.31 | 96% | 100% | 100% | 100% | 87% | 100% | 100% | 100% | 100% | NA | | | | |
| Jessore | 23 | 23 | 34 | 3 | | | | | 34 | 3 | 0 | 0 | 2.98 | 1.68 | 2.98 | 1.68 | 88% | 100% | 100% | 100% | 82% | 100% | 100% | 100% | 100% | NA | | | | |
| Jhenaidah | 14 | 15 | 20 | 3 | | | | | 20 | 1 | 0 | 2 | 2.79 | 2.68 | 2.79 | 0.89 | 95% | 67% | 100% | 100% | 85% | 100% | 100% | 100% | 10 | | | | | |

Disease Surveillance, 2008 - 2009

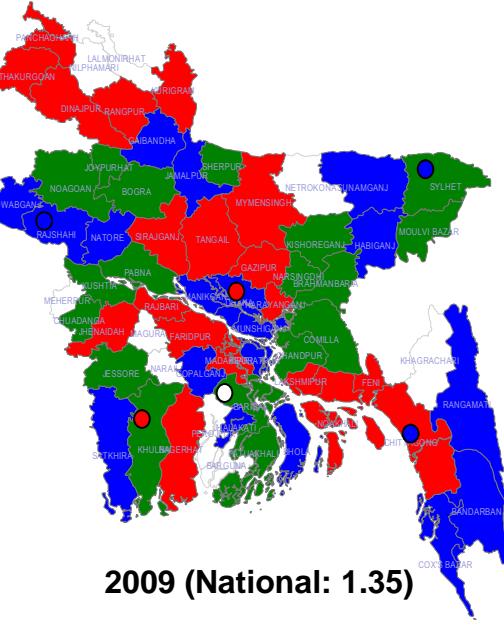
| District | Neonatal Tetanus | | | | | | Measles | | | | | | AEFI | | | |
|-------------------------|---|------|--|------|------------------------|------|---|------|--|---------|-------------------------------------|------------|--------------------|----|-------|----|
| | # of case reported by Active 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 | | | |
| | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | 2008 | 2009 | Number of Outbreak (% Investigated) | # of cases | | | | |
| Barisal Division | | | | | | | | | | | | | | | | |
| Barguna | | | 1 | | | | 1 | | 18 | 1 | | | | 15 | | |
| Barisal (non BCC) | 2 | | 7 | 1 | 2 | | 2 | | 22 | | | | | 45 | | |
| BCC only | | | | | | | | | | | | | | 1 | | |
| Bhola | 3 | | 8 | | 6 | | | | 5 | | | | | 14 | | |
| Jhalakhati | 3 | | 2 | | 3 | | 2 | | 2 | | | | | 7 | | |
| Patuakhali | | | | | | | 4 | | 15 | | | | | 6 | | |
| Pirojpur | | | 1 | | | | | | 9 | | | | | 17 | | |
| Total BAR | 8 | 0 | 19 | 1 | 11 | 0 | 9 | 0 | 71 | 1 | | | 0 | 0 | 105 | 3 |
| CTG Division | | | | | | | | | | | | | | | | |
| Bandarban | | | | | | | | | | | 1 | | | | 6 | 2 |
| Brahmanbaria | 5 | | 5 | | 7 | | | | 18 | 1 | | | | | 25 | |
| Chandpur | | | 2 | | 2 | | 3 | | 46 | 2 | | | | | 48 | |
| Chittagong (non CCC) | 1 | | | 1 | | | 4 | | 10 | 1 | | | | | 10 | |
| CCC only | 2 | | 3 | | 2 | | 8 | | 6 | | | | | | 7 | |
| Comilla | 1 | | | | 1 | | 1 | | 12 | | | | | | 10 | |
| Cox's Bazar | | | 1 | | | | | | | | | | | | 5 | 2 |
| Feni | | | | | | | | | 19 | | | | | | 17 | |
| Khagrachari | 1 | 1 | 1 | | | | | | 1 | | | | | | 4 | |
| Laxmipur | 3 | | 3 | | 3 | | | | 46 | | | | | | 22 | 2 |
| Noakhali | 4 | | 3 | | 4 | | 2 | | 9 | | | | | | 12 | |
| Rangamati | | | | | | | | | 1 | | | | | | | |
| Total-CTG | 17 | 1 | 18 | 1 | 19 | 0 | 18 | 0 | 168 | 5 | | | 0 | 0 | 166 | 6 |
| Dhaka Division | | | | | | | | | | | | | | | | |
| Dhaka (non DCC) | 2 | | 2 | | 1 | 1 | 1 | | 63 | 1 | | | | | 40 | |
| DCC only | 2 | | 4 | | 5 | | 25 | | 594 | 9 | | | | | 171 | 19 |
| Faridpur | 1 | | 1 | | | | | | 29 | | | | | | 85 | 1 |
| Gazipur | 3 | | 1 | | 3 | | 3 | | 3 | | | | | | 17 | 2 |
| Gopalganj | 2 | | 5 | | 3 | | 1 | | 22 | | | | | | 26 | |
| Jamalpur | 2 | | 5 | | 2 | | | | 58 | 7 | | | | | 41 | 1 |
| Kishoreganj | 7 | 1 | 9 | 1 | 3 | | 13 | 2 | 31 | 1 | | | | | 46 | 1 |
| Madaripur | 4 | | 3 | | 4 | | 3 | 1 | 48 | 1 | | | | | 79 | 1 |
| Manikganj | 2 | | 1 | | 1 | | | | 89 | 1 | | | | | 43 | |
| Munshiganj | 2 | | 1 | | 1 | | 2 | | 176 | 5 | | | | | 69 | 3 |
| Mymensingh | 4 | 1 | 5 | | 5 | 1 | 1 | | 73 | 1 | | | | | 82 | 2 |
| Narayanganj | 1 | | | | | | | | 1 | 68 | | | | | 38 | 1 |
| Narsinghdi | 4 | | 2 | | 3 | | 3 | | 3 | | | | | | 11 | |
| Netrokona | 1 | | 5 | 1 | 2 | | | | 33 | | | | | | 36 | 2 |
| Rajbari | | | | | | | | | 40 | 1 | | | | | 109 | 2 |
| Shariatpur | 1 | | 1 | | | | 2 | | 23 | | | | | | 63 | |
| Sherpur | | | 2 | | | | | | 30 | 1 | | | | | 26 | 2 |
| Tangail | 4 | | 8 | | 6 | | 9 | | 19 | 1 | | | | | 67 | 5 |
| Total-DHAKA | 42 | 2 | 55 | 2 | 39 | 2 | 64 | 3 | 1,402 | 29 | | | 0 | 0 | 1,049 | 42 |
| Khulna Division | | | | | | | | | | | | | | | | |
| Bagerhat | 3 | | 5 | | 2 | | 2 | | 51 | 1 | | | | | 41 | 1 |
| Chuadanga | 1 | | 1 | 1 | 1 | 1 | 2 | | 31 | | | | | | 22 | |
| Jessore | | | | | | | 14 | 1 | 63 | | | | | | 23 | 1 |
| Jhenaidah | | | | | | | | | 22 | 1 | | | | | 26 | |
| Khulna (non KCC) | 1 | | 1 | | 1 | | 1 | | 11 | | | | | | 34 | |
| KCC only | 1 | | | | | | 1 | 3 | 8 | | | | | | 16 | 3 |
| Kushtia | 3 | | 1 | | 3 | | | | 45 | | | | | | 25 | |
| Magura | | | | | | | 5 | | 76 | | | | | | 21 | |
| Meherpur | | | | | | | | | 11 | 1 | | | | | 5 | 2 |
| Narail | 3 | | 3 | | 4 | | 1 | | 14 | | | | | | 13 | |
| Satkhira | 2 | | 1 | | 3 | | | | 7 | | | | | | 26 | |
| Total-KHU | 14 | 0 | 12 | 1 | 15 | 1 | 28 | 1 | 339 | 3 | | | 0 | 0 | 252 | 7 |
| Raj Division | | | | | | | | | | | | | | | | |
| Bogra | 2 | | 3 | | 3 | | 2 | | 24 | 1 | | | | | 119 | 5 |
| Dinajpur | 4 | | 4 | | 4 | | 6 | | 19 | | | | | | 55 | 1 |
| Gaibandha | 1 | | 2 | | 4 | | | | 3 | | | | | | 44 | |
| Joypurhat | | | | | | | 2 | | 14 | | | | | | 25 | 1 |
| Kurigram | | | | | | | 3 | | 7 | | | | | | 16 | 1 |
| Lalmonirhat | 2 | | | | 1 | 1 | 1 | | 1 | | | | | | 23 | 1 |
| Natore | 4 | | 3 | | 4 | | 5 | | 74 | 1(100%) | | | 132 | | 50 | 2 |
| Nilphamari | 1 | | 1 | | 2 | | | | | | | | | | 25 | |
| Noagoan | 2 | | 3 | | 2 | | 7 | | 90 | 1 | | | | | 42 | 3 |
| Novabganj | 2 | | 2 | | 2 | | 4 | | 38 | 1 | | | | | 24 | |
| Pabna | 3 | | 2 | | 1 | | 19 | | 65 | 4 | | | | | 44 | 1 |
| Panchagarh | 1 | | 2 | | 1 | | 2 | | 5 | | | | | | 19 | 1 |
| Rajshahi (non RCC) | 3 | | 3 | | 3 | | 8 | | 31 | 1 | | | | | 43 | 1 |
| RCC only | | | | | | | 3 | | 64 | 1 | | | | | 48 | |
| Rangpur | 3 | | | | 3 | 1 | 1 | | 2 | | | | | | 32 | 2 |
| Sirajganj | | | | | | | | | 3 | | | | | | 15 | |
| Thakurgaon | 1 | | 1 | | 1 | 1 | 4 | | 5 | | | | | | 35 | |
| Total-RAJ | 29 | 0 | 26 | 0 | 31 | 3 | 67 | 0 | 445 | 9 | 1(100%) | | 132 | 0 | 659 | 19 |
| Sylhet Division | | | | | | | | | | | | | | | | |
| Habiganj | 3 | | 4 | | 6 | | | | 10 | | | | | | 25 | |
| Maulvibazar | 7 | | 6 | | 5 | | | | 15 | | | | | | 10 | |
| Sunamganj | 8 | | 7 | | 8 | | 28 | | 40 | | | | | | 20 | 1 |
| Sylhet (non SCC) | 5 | | 5 | | 7 | | 6 | | 32 | | | | | | 7 | 1 |
| SCC only | 1 | | | | | | 18 | 1 | 6 | | | | | | 4 | |
| Total-SYL | 24 | 0 | 22 | 0 | 26 | 0 | 52 | 1 | 103 | 0 | | | 0 | 0 | 66 | 2 |
| National | 134 | 3 | 152 | 5 | 141 | 6 | 238 | 5 | 2,528 | 47 | 1(100%) | | 132 | 0 | 2,297 | 79 |

Data as of 17 February 2009, * Only Lab Confirmed Measles and Mixed Type outbreak Cases

Annualized Non-Polio AFP Rate, by District, Bangladesh 2008-2009*

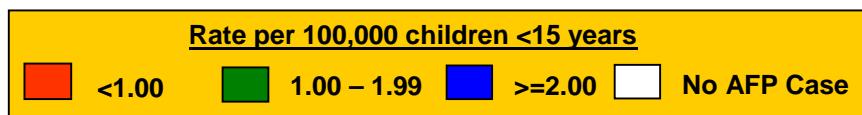


2008 (National: 3.07)

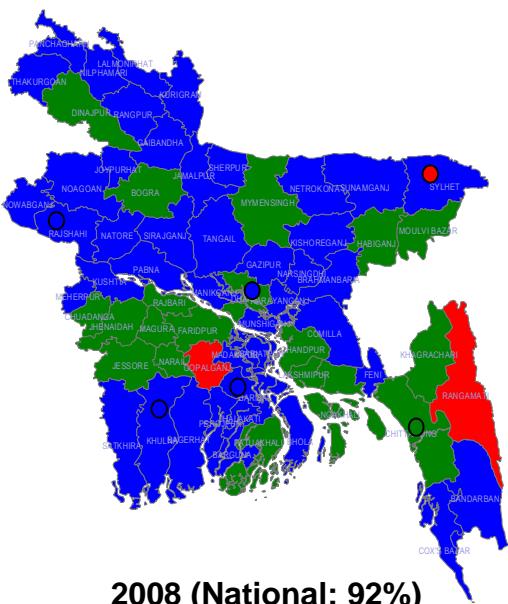


2009 (National: 1.35)

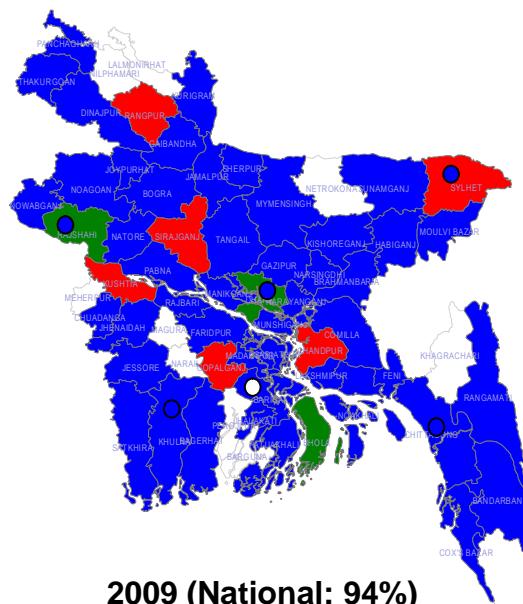
*Data as of 21 February 2009



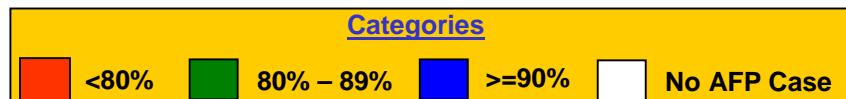
Percentage of AFP Cases with Two Stool Samples Collected within 14 days of Paralysis Onset, by District, Bangladesh 2008-2009*



2008 (National: 92%)



2009 (National: 94%)



*Data as of 21 February 2009

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