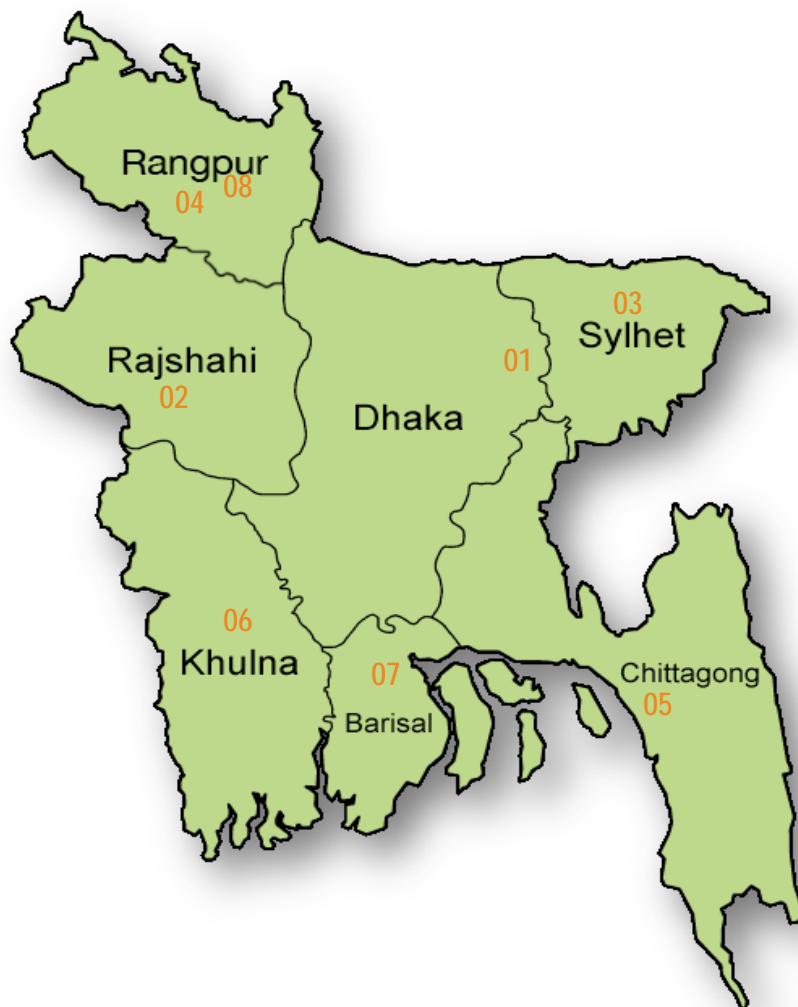




## Hospital Based Rotavirus & Intussusception Surveillance in Bangladesh (HBRIS)

Monthly Report, November 2018



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👉 Name, location and starting month of HBRIS hospitals

| Sl.no. | Name of the hospitals                                    | Location    | Surveillance start | Current status    |
|--------|--|-------------|--------------------|-------------------|
| 01.    | Jahurul Islam Medical College Hospital (JIMCH)           | Kishoregonj | July'12            | Ongoing           |
| 02.    | Rajshahi Medical College Hospital (RMCH)                 | Rajshahi    | July'12            | Ongoing           |
| 03.    | Jalalabad Ragib-Rabeya Medical College Hospital (JRRMCH) | Sylhet      | July'12            | Ongoing           |
| 04.    | World Mission Prayer League (LAMB)                       | Dinajpur    | February'13        | Closed in June'15 |
| 05.    | Bangabandhu Memorial Hospital (BBMH)                     | Chittagong  | February'13        | Ongoing           |
| 06.    | Jessore General Hospital (JGH)                           | Jessore     | August'13          | Ongoing           |
| 07.    | Sher-e-Bangla Medical College Hospital (SBMCH)           | Barisal     | August'13          | Ongoing           |
| 08.    | Rangpur Medical College Hospital (RpMCH)                 | Rangpur     | January'16         | Ongoing           |

👉 Proportion of children aged <5 years hospitalized with acute gastroenteritis (AGE) with evidence of rotavirus infection and number of intussusception cases aged <2 years during November 2018, by hospital

| Hospital name           | Rotavirus        |                      |                | Intussusception confirmed <sup>‡</sup> |
|-------------------------|------------------|----------------------|----------------|--|
|                         | AGE <sup>¶</sup> | Sampled <sup>‡</sup> | Positive (%)   |  |
| RMCH                    | 192              | 48                   | 18(38%)        | 2                                      |
| JIMCH                   | 100              | 25                   | 13(52%)        | -                                      |
| JRRMCH                  | 82               | 20                   | 19(95%)        | 1                                      |
| BBMH                    | 55               | 13                   | 09(69%)        | 1                                      |
| JGH                     | 60               | 15                   | 06(40%)        | -                                      |
| SBMCH                   | 82               | 20                   | 11(55%)        | -                                      |
| RpMCH                   | 39               | 9                    | 02(22%)        | 1                                      |
| <b>Cumulative Total</b> | <b>610</b>       | <b>150</b>           | <b>78(52%)</b> | <b>5</b>                               |

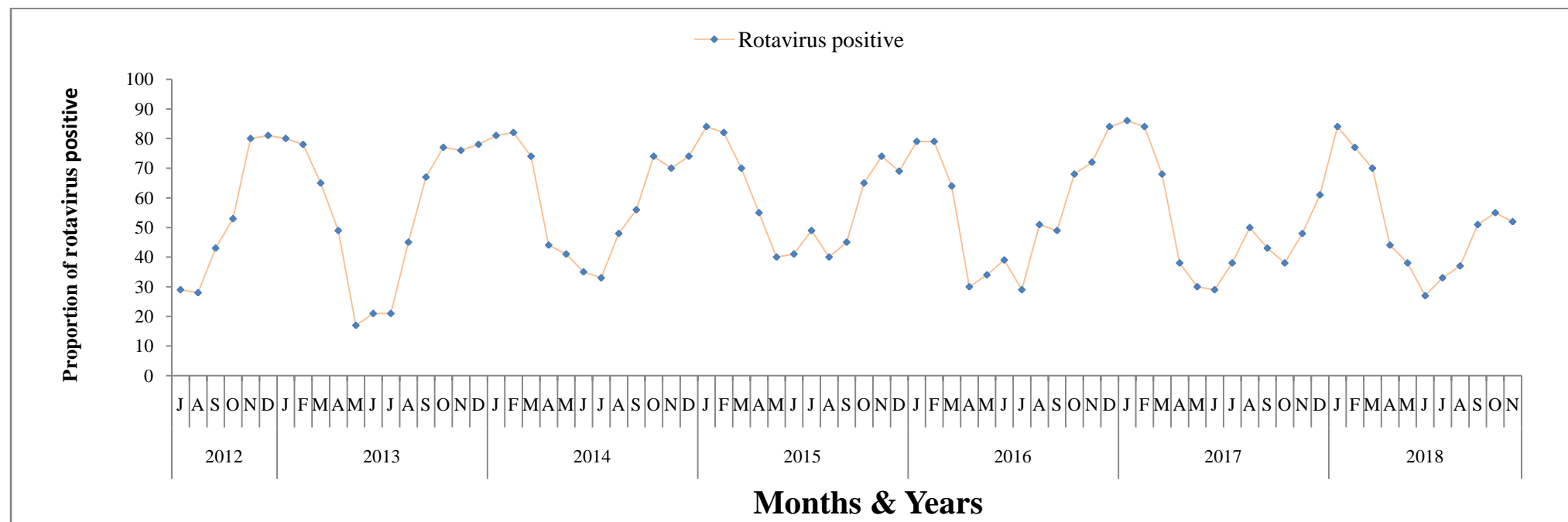
👉 Distribution of acute gastroenteritis (AGE), rotavirus and intussusception cases, by age group and sex, November 2018

|                       | Rotavirus    |                  |                      | Intussusception confirmed<br>N=05 |
|-----------------------|--------------|------------------|----------------------|-----------------------------------|
|                       | AGE<br>N=610 | Sampled<br>N=150 | Positive (%)<br>N=78 |                                   |
| Age groups(in months) |              |                  |                      |                                   |
| 0-5                   | 66           | 15               | 05(33%)              | 02                                |
| 6-11                  | 213          | 66               | 33(50%)              | 01                                |
| 12-17                 | 198          | 54               | 34(63%)              | 01                                |
| 18-23                 | 62           | 08               | 04(50%)              | 01                                |
| 24-59                 | 71           | 07               | 02(29%)              | -                                 |
| Male sex              | 395          | 102              | 61(60%)              | 04(80%)                           |

¶ Acute Gastroenteritis (AGE) - ≥3 watery or looser-than-normal stools or ≥1 episode of forceful vomiting, within a 24 hour period, with symptoms lasting ≤7 days

‡ Every 4<sup>th</sup> suspected cases (in case of LAMB hospital every patient)

‡ Child under 2 years who is admitted in selected hospitals & meet the Level 1 or 2 or 3, Brighton Collaboration diagnostic criteria (either by clinical/surgical and/or radiological and/or autopsy criteria)



👉 Proportion of children aged <5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of death and number of intussusception cases aged <2 years, by hospital  
July'12- November'18

| Hospital name           | Rotavirus     |              |                   |                             | Intussusception confirmed |
|-------------------------|---------------|--------------|-------------------|-----------------------------|---------------------------|
|                         | AGE           | Sampled      | Positive (%)      | Rotavirus associated deaths |                           |
| RMCH                    | 10,905        | 2,721        | 1,617(59%)        | 3                           | 154                       |
| JIMCH                   | 6,179         | 1,543        | 993(64%)          | 1                           | 16                        |
| JRRMCH                  | 6,068         | 1,501        | 983(65%)          | -                           | 54                        |
| LAMB                    | 178           | 142          | 89(63%)           | 1                           | -                         |
| BBMH                    | 1,949         | 481          | 308(64%)          | -                           | 9                         |
| JGH                     | 3,303         | 818          | 449(55%)          | -                           | 2                         |
| SBMCH                   | 7,900         | 1,973        | 1,245(63%)        | -                           | 27                        |
| RpMCH                   | 1,810         | 444          | 282(64%)          | -                           | 16                        |
| <b>Cumulative Total</b> | <b>38,292</b> | <b>9,623</b> | <b>5,966(62%)</b> | <b>5</b>                    | <b>278</b>                |