



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

July 2013

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
July 2013

| Hospital | District | Sample | Flu | Flu % | Flu A | Flu B | Flu A+B | Flu A/H1 | Flu A/H3 | Flu A/H5 | (H1N1)pdm09 |
|----------|-------------|------------|-----------|--------------|-----------|----------|----------|----------|-----------|----------|-------------|
| DNMCH | Dhaka | 8 | 1 | 13% | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| CBMCH | Mymensingh | 11 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JIMCH | Kishoregonj | 30 | 6 | 20% | 6 | 0 | 0 | 0 | 5 | 0 | 1 |
| RMCH | Rajshahi | 16 | 3 | 19% | 3 | 0 | 0 | 0 | 3 | 0 | 0 |
| SZRMCH | Bogra | 27 | 6 | 22% | 6 | 0 | 0 | 0 | 2 | 0 | 4 |
| LAMB | Dinajpur | 7 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BBMH | Chittagong | 10 | 1 | 10% | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| CoMCH | Comilla | 40 | 8 | 20% | 5 | 3 | 0 | 0 | 3 | 0 | 2 |
| KMCH | Khulna | 14 | 1 | 7% | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| JGH | Jessore | 27 | 6 | 22% | 6 | 0 | 0 | 0 | 4 | 0 | 2 |
| JRRMCH | Sylhet | 20 | 6 | 30% | 6 | 0 | 0 | 0 | 6 | 0 | 0 |
| SBMCH | Barisal* | 39 | 13 | 33% | 13 | 0 | 0 | 0 | 6 | 0 | 7 |
| | | 249 | 51 | 20.5% | 48 | 3 | 0 | 0 | 32 | 0 | 16 |

Hospital based influenza surveillance
Monthly enrollement by different surveillance groups
July 2013

| Hospital | District | SARI [†] | | | ILI [‡] | | | Severe Pneumonia [¥] | | |
|----------|-------------|-------------------|-----------|------------|------------------|-----------|------------|-------------------------------|----------|------------|
| | | Sample | Flu | Flu % | Total | Flu | Flu % | Total | Flu | Flu % |
| DNMCH | Dhaka | 5 | 0 | 0% | - | - | - | 3 | 1 | 33% |
| CBMCH | Mymensingh | 6 | 0 | 0% | - | - | - | 5 | 0 | 0% |
| JIMCH | Kishoregonj | 10 | 2 | 20% | 15 | 4 | 27% | 5 | 0 | 0% |
| RMCH | Rajshahi | 11 | 2 | 18% | - | - | - | 5 | 1 | 20% |
| SZRMCH | Bogra | 7 | 3 | 43% | 15 | 3 | 20% | 5 | 0 | 0% |
| LAMB | Dinajpur | 2 | 0 | 0% | - | - | - | 5 | 0 | 0% |
| BBMH | Chittagong | 5 | 1 | 20% | - | - | - | 5 | 0 | 0% |
| CoMCH | Comilla | 8 | 2 | 25% | 27 | 5 | 19% | 5 | 1 | 20% |
| KMCH | Khulna | 10 | 0 | 0% | - | - | - | 4 | 1 | 25% |
| JGH | Jessore | 11 | 3 | 27% | 11 | 2 | 18% | 5 | 1 | 20% |
| JRRMCH | Sylhet | 4 | 2 | 50% | 11 | 3 | 27% | 5 | 1 | 20% |
| SBMCH | Barisal | 11 | 6 | 55% | 20 | 7 | 35% | 8 | 0 | 0% |
| | | 90 | 21 | 23% | 99 | 24 | 24% | 60 | 6 | 10% |

[†] All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatric inpatients.

[‡] All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

[¥] First five Severe Pneumonia samples (aged < 5 years) collected from pediatric inpatients. More than five severe pneumonia cases belong to the cluster.

Hospital based influenza surveillance
Influenza results by different age groups
July 2013

| Age groups | July 2013 | | | | | | | | | Initiation - July 2013 | | | | | | | | |
|-------------|-------------------|-----------|------------|------------------|-----------|------------|-------------------------------|----------|------------|------------------------|-------------|------------|------------------|-------------|------------|-------------------------------|------------|-----------|
| | SARI [†] | | | ILI [‡] | | | Severe Pneumonia [¥] | | | SARI [†] | | | ILI [‡] | | | Severe Pneumonia [¥] | | |
| | Sample | Flu | Flu % | Sample | Flu | Flu % | Sample | Flu | Flu % | Sample | Flu | Flu % | Sample | Flu | Flu % | Sample | Flu | Flu % |
| <1 Year | - | - | - | 25 | 5 | 20% | 44 | 3 | 7% | - | - | - | 1745 | 123 | 7% | 2512 | 106 | 4% |
| 1-4 Years | - | - | - | 29 | 9 | 31% | 16 | 3 | 19% | - | - | - | 2740 | 393 | 14% | 737 | 76 | 10% |
| 5-14 Years | 15 | 1 | 7% | 17 | 7 | 41% | - | - | - | 974 | 199 | 20% | 1591 | 350 | 22% | - | - | - |
| 15-24 Years | 16 | 3 | 19% | 9 | 0 | 0% | - | - | - | 1282 | 269 | 21% | 1561 | 290 | 19% | - | - | - |
| 25-39 Years | 16 | 5 | 31% | 9 | 1 | 11% | - | - | - | 1361 | 272 | 20% | 1372 | 220 | 16% | - | - | - |
| 40-59 Years | 24 | 5 | 21% | 9 | 2 | 22% | - | - | - | 1394 | 238 | 17% | 835 | 118 | 14% | - | - | - |
| ≥ 60 Years | 19 | 7 | 37% | 1 | 0 | 0% | - | - | - | 1381 | 223 | 16% | 277 | 30 | 11% | - | - | - |
| | 90 | 21 | 23% | 99 | 24 | 24% | 60 | 6 | 10% | 6392 | 1201 | 19% | 10121 | 1524 | 15% | 3249 | 182 | 6% |

[†] All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatric inpatients.

[‡] All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

[¥] First five Severe Pneumonia samples (aged < 5 years) collected from pediatric inpatients. More than five severe pneumonia cases belong to the cluster.

Hospital based influenza surveillance
Hospitalwise influenza lab results
Surveillance initiation - July 2013

| Hospital | District | Initiation | Sample | Flu | Flu % | Flu A | Flu B | Flu A+B | Flu A/H1 | Flu A/H3 | Flu A/H5 | (H1N1)pdm09 |
|----------|--------------------------|------------|--------------|-------------|--------------|-------------|------------|----------|------------|------------|----------|-------------|
| DNMCH | Dhaka | Jun 2007 | 1291 | 186 | 14% | 118 | 68 | 0 | 15 | 42 | 0 | 61 |
| CBMCH | Mymensingh* | Oct 2007 | 1229 | 179 | 15% | 121 | 58 | 0 | 7 | 59 | 0 | 55 |
| JIMCH | Kishoregonj [‡] | Sep 2007 | 2061 | 391 | 19% | 272 | 119 | 0 | 9 | 138 | 0 | 124 |
| RMCH | Rajshahi | May 2007 | 1468 | 144 | 10% | 99 | 45 | 0 | 14 | 51 | 0 | 34 |
| SZRMCH | Bogra | Sep 2007 | 2104 | 292 | 14% | 194 | 98 | 0 | 12 | 92 | 0 | 90 |
| LAMB | Dinajpur | Oct 2007 | 915 | 86 | 9% | 57 | 29 | 0 | 7 | 35 | 0 | 15 |
| BBMH | Chittagong | Aug 2007 | 1181 | 136 | 12% | 102 | 34 | 0 | 13 | 35 | 0 | 54 |
| CoMCH | Comilla | Oct 2007 | 2427 | 349 | 14% | 242 | 106 | 1 | 9 | 110 | 0 | 124 |
| KMCH | Khulna | Jul 2007 | 1357 | 187 | 14% | 134 | 53 | 0 | 16 | 70 | 0 | 48 |
| JGH | Jessore | Sep 2007 | 1793 | 327 | 18% | 220 | 107 | 0 | 10 | 109 | 0 | 101 |
| JRRMCH | Sylhet | Jul 2007 | 1752 | 308 | 18% | 200 | 108 | 0 | 16 | 87 | 0 | 97 |
| SBMCH | Barisal | Aug 2007 | 2184 | 322 | 15% | 221 | 98 | 3 | 9 | 100 | 0 | 115 |
| | | | 19762 | 2907 | 14.7% | 1980 | 923 | 4 | 137 | 928 | 0 | 918 |

[‡]One sample co-infected with both A(H3) and A(H1N1)pdm09

*One sample will be repeated

Hospital based influenza surveillance
Influenza seasonality graph
May 2007 - July 2013

