



# Monthly Summary Report

National Influenza Surveillance, Bangladesh  
(NISB)



August 2024

Institute of Epidemiology, Disease Control & Research (IEDCR)  
National Influenza Centre (NIC)







**National Influenza Surveillance, Bangladesh (NISB)**  
**Monthly Enrolment by Different Age Groups**  
**August 2024**

| Age Group<br>(In Year) | ILI    |     |      |          |           | SARI   |     |      |          |           |
|------------------------|--------|-----|------|----------|-----------|--------|-----|------|----------|-----------|
|                        | Sample | Flu | Flu% | Covid-19 | Covid-19% | Sample | Flu | Flu% | Covid-19 | Covid-19% |
| <1                     | 112    | 01  | 0.89 | 3        | 2.68      | 151    | 04  | 2.65 | 1        | 0.66      |
| 1 to <5                | 191    | 10  | 5.24 | 0        | 0.00      | 131    | 05  | 3.82 | 2        | 1.53      |
| 5 to <15               | 95     | 05  | 5.26 | 0        | 0.00      | 44     | 02  | 4.55 | 0        | 0.00      |
| 15 to<25               | 80     | 04  | 5.00 | 1        | 1.25      | 36     | 02  | 5.56 | 4        | 11.11     |
| 25 to<40               | 65     | 04  | 6.15 | 0        | 0.00      | 32     | 01  | 3.13 | 1        | 3.13      |
| 40 to<60               | 37     | 00  | 0.00 | 0        | 0.00      | 39     | 02  | 5.13 | 0        | 0.00      |
| ≥60                    | 23     | 01  | 4.35 | 0        | 0.00      | 47     | 00  | 0.00 | 1        | 2.13      |
| <b>Total</b>           | 603    | 25  | 4.15 | 04       | 0.66      | 480    | 16  | 3.33 | 09       | 1.88      |

**National Influenza Surveillance, Bangladesh (NISB)  
Sentinel Site wise Influenza Lab Results (ILI & SARI)  
September 2023 – August 2024**

| District (Site)   | Sample       | Flu         | Flu%         | Flu A       | Flu B     | Flu A+B   | AH1      | AH3        | AH1pdm09   | AH5      | AH3v     | AH7      | H1pd m09+ H3,VI C | H1pd m09, H3 | H1pd m09, VIC | H3, VIC  | B/Vi c    | B/Y am a |
|-------------------|--------------|-------------|--------------|-------------|-----------|-----------|----------|------------|------------|----------|----------|----------|-------------------|--------------|---------------|----------|-----------|----------|
| Thakurgaon (TDH)  | 1174         | 185         | 15.76        | 173         | 10        | 2         | 0        | 130        | 43         | 0        | 0        | 0        | 0                 | 1            | 0             | 1        | 10        | 0        |
| Naogaon (NDH)     | 1343         | 97          | 7.22         | 86          | 11        | 0         | 0        | 70         | 16         | 0        | 0        | 0        | 0                 | 0            | 0             | 0        | 11        | 0        |
| Satkhira (SDH)    | 1241         | 114         | 9.19         | 113         | 1         | 0         | 0        | 73         | 40         | 0        | 0        | 0        | 0                 | 0            | 0             | 0        | 1         | 0        |
| Narshingdi (NDH)  | 1229         | 95          | 7.73         | 91          | 1         | 3         | 0        | 61         | 30         | 0        | 0        | 0        | 0                 | 0            | 0             | 3        | 1         | 0        |
| Habiganj (HDH)    | 1261         | 212         | 16.81        | 201         | 10        | 1         | 0        | 129        | 72         | 0        | 0        | 0        | 0                 | 0            | 0             | 1        | 10        | 0        |
| Cox's Bazar (CDH) | 1381         | 88          | 6.37         | 86          | 2         | 0         | 0        | 55         | 31         | 0        | 0        | 0        | 0                 | 0            | 0             | 0        | 2         | 0        |
| Joypurhat (JDH)   | 1420         | 124         | 8.73         | 111         | 12        | 1         | 0        | 88         | 23         | 0        | 0        | 0        | 0                 | 0            | 1             | 0        | 12        | 0        |
| DMCH (DMC)        | 1241         | 108         | 8.70         | 105         | 2         | 1         | 0        | 63         | 42         | 0        | 0        | 0        | 0                 | 1            | 0             | 0        | 2         | 0        |
| Patuakhali (PDH)  | 1430         | 226         | 15.80        | 214         | 11        | 1         | 0        | 182        | 32         | 0        | 0        | 0        | 0                 | 0            | 1             | 0        | 11        | 0        |
| Gazipur (GMCH)    | 1392         | 178         | 12.79        | 171         | 5         | 2         | 0        | 130        | 41         | 0        | 0        | 0        | 0                 | 0            | 2             | 0        | 5         | 0        |
| <b>Total</b>      | <b>13112</b> | <b>1427</b> | <b>10.88</b> | <b>1351</b> | <b>65</b> | <b>11</b> | <b>0</b> | <b>981</b> | <b>370</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>          | <b>2</b>     | <b>4</b>      | <b>5</b> | <b>65</b> | <b>0</b> |

## National Influenza Surveillance, Bangladesh (NISB)

### COVID-19 Lab Results of ILI & SARI

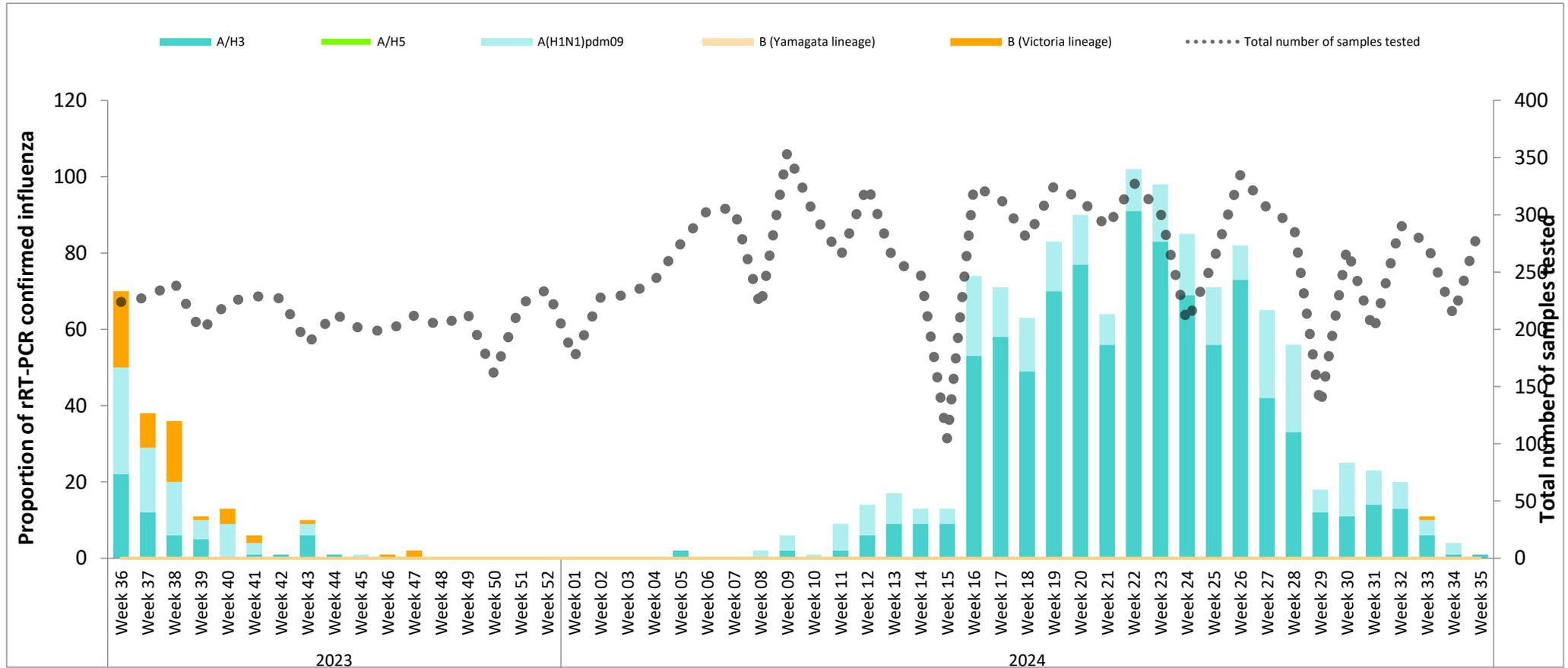
September 2023 – August 2024

| District (Site)   | ILI    |          |           | SARI   |          |           |
|-------------------|--------|----------|-----------|--------|----------|-----------|
|                   | Sample | Covid-19 | Covid-19% | Sample | Covid-19 | Covid-19% |
| Thakurgaon (TDH)  | 625    | 22       | 3.52      | 549    | 13       | 2.37      |
| Naogaon (NDH)     | 711    | 21       | 2.95      | 632    | 13       | 2.06      |
| Satkhira (SDH)    | 650    | 29       | 4.46      | 591    | 23       | 3.89      |
| Narshingdi (NDH)  | 703    | 19       | 2.70      | 526    | 5        | 0.95      |
| Habiganj (HDH)    | 629    | 16       | 2.54      | 632    | 10       | 1.58      |
| Cox's Bazar (CDH) | 713    | 17       | 2.38      | 668    | 22       | 3.29      |
| Joypurhat (JDH)   | 771    | 18       | 2.33      | 649    | 11       | 1.69      |
| DMCH (DMC)        | 665    | 13       | 1.95      | 576    | 12       | 2.08      |
| Patuakhali (PDH)  | 811    | 30       | 3.70      | 619    | 24       | 3.88      |
| Gazipur (GMCH)    | 769    | 20       | 2.60      | 623    | 17       | 2.73      |
| <b>Total</b>      | 7047   | 205      | 2.91      | 6065   | 150      | 2.47      |

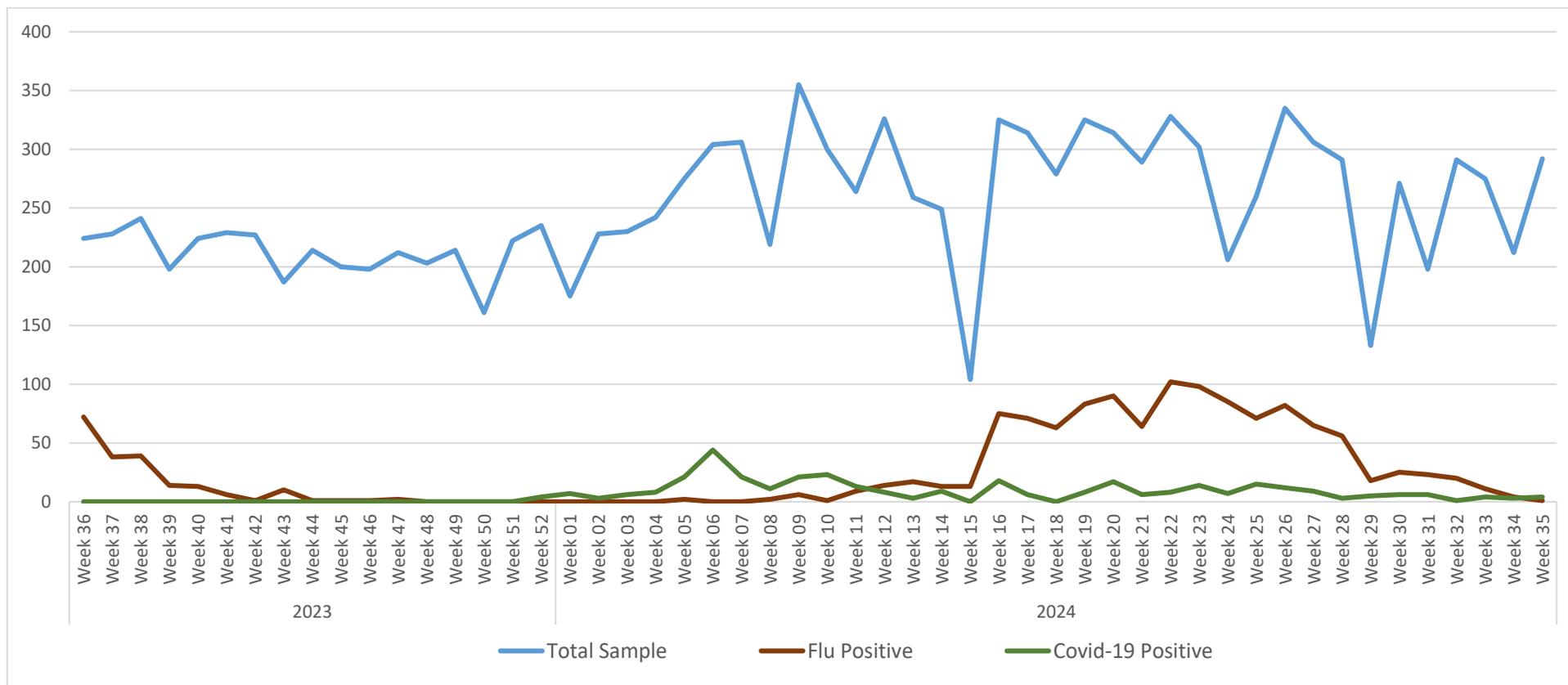
**National Influenza Surveillance, Bangladesh (NISB)**  
**Influenza Lab & Covid-19 Results by Different Age Groups**  
**September 2023 – August 2024**

| Age Group<br>(In Year) | ILI    |     |       |          |           | SARI   |     |       |          |           |
|------------------------|--------|-----|-------|----------|-----------|--------|-----|-------|----------|-----------|
|                        | Sample | Flu | Flu%  | Covid-19 | Covid-19% | Sample | Flu | Flu%  | Covid-19 | Covid-19% |
| <1                     | 1220   | 79  | 6.48  | 50       | 4.10      | 1938   | 103 | 5.31  | 48       | 2.48      |
| 1 to <5                | 2430   | 368 | 15.14 | 53       | 2.18      | 1475   | 196 | 13.29 | 27       | 1.83      |
| 5 to <15               | 1474   | 252 | 17.10 | 29       | 1.97      | 515    | 65  | 12.62 | 7        | 1.36      |
| 15 to<25               | 628    | 85  | 13.54 | 25       | 3.98      | 421    | 43  | 10.21 | 17       | 4.04      |
| 25 to<40               | 549    | 59  | 10.75 | 18       | 3.28      | 475    | 41  | 8.63  | 9        | 1.89      |
| 40 to<60               | 438    | 35  | 7.99  | 16       | 3.65      | 546    | 38  | 6.96  | 17       | 3.11      |
| ≥60                    | 308    | 18  | 5.84  | 14       | 4.55      | 695    | 45  | 6.47  | 25       | 3.60      |
| <b>Total</b>           | 7047   | 896 | 12.71 | 205      | 2.91      | 6065   | 531 | 8.76  | 150      | 2.47      |

**National Influenza Surveillance, Bangladesh (NISB)**  
**Influenza Seasonality Graph (Weekly)**  
**Week 36 (2023) - Week 35 (2024)**



**National Influenza Surveillance, Bangladesh (NISB)**  
**Influenza & Covid-19 Seasonality Graph (Weekly)**  
**Week 36 (2023) - Week 35 (2024)**



**Sentinel Site wise Influenza Lab Results (ILI & SARI)  
Surveillance Initiation – August 2024**

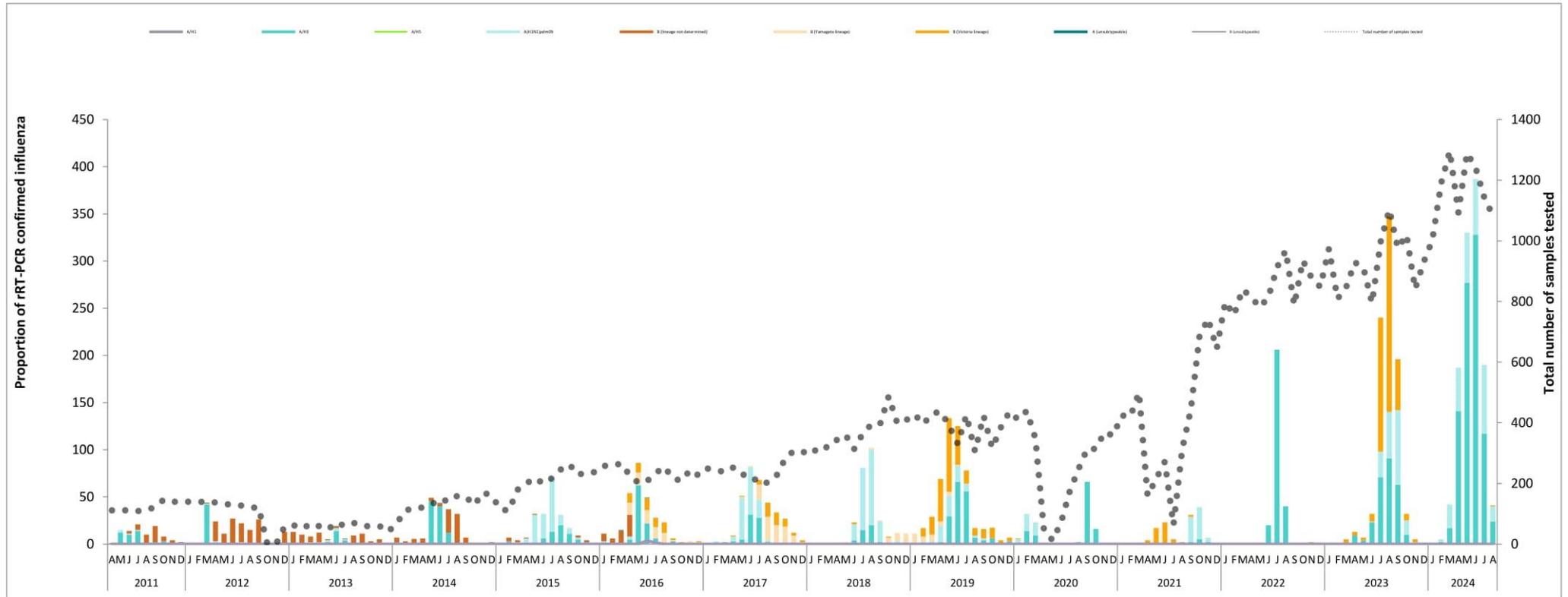
| District (Site)          |            | Initiation | Sample | Flu   | Flu%  | Flu A | Flu B | Flu A+B | AH1 | AH3  | AH1pd m09 | AH5 | AH3v | AH7 | H1pd m09+ H3 | H1pd m09+ H3,VI C | H1pd m09+ VIC | H3, VIC | B/Vic | B/Y ama |
|--------------------------|------------|------------|--------|-------|-------|-------|-------|---------|-----|------|-----------|-----|------|-----|--------------|-------------------|---------------|---------|-------|---------|
| <b>Thakurgaon(TDH)</b>   | April-2010 | 5905       | 628    | 10.64 | 474   | 209   | 4     | 1       | 342 | 131  | 0         | 0   | 0    | 3   | 0            | 0                 | 1             | 120     | 20    |         |
| <b>Gaibandha*( GDH)</b>  | April-2010 | 189        | 21     | 11.11 | 9     | 12    | 0     | 0       | 6   | 3    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Naogaon (NDH)</b>     | April-2010 | 6295       | 439    | 6.97  | 251   | 185   | 3     | 1       | 174 | 78   | 0         | 0   | 0    | 2   | 0            | 0                 | 1             | 108     | 27    |         |
| <b>Sirajganj* (SDH)</b>  | April-2010 | 283        | 38     | 13.43 | 14    | 24    | 0     | 0       | 12  | 2    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Kushtia* (KDH)</b>    | April-2010 | 157        | 17     | 10.83 | 4     | 13    | 0     | 0       | 1   | 3    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Satkhira (SDH)</b>    | April-2010 | 5714       | 394    | 6.90  | 301   | 92    | 1     | 0       | 198 | 103  | 0         | 0   | 0    | 1   | 0            | 0                 | 1             | 55      | 4     |         |
| <b>Netrokona* (NDH)</b>  | April-2010 | 268        | 32     | 11.94 | 15    | 17    | 0     | 0       | 11  | 4    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Narshindi (NDH)</b>   | April-2010 | 6182       | 400    | 6.47  | 269   | 124   | 7     | 1       | 157 | 111  | 0         | 0   | 0    | 0   | 2            | 1                 | 4             | 78      | 16    |         |
| <b>Faridpur* (FDH)</b>   | April-2010 | 290        | 34     | 11.72 | 11    | 23    | 0     | 0       | 6   | 5    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Habiganj (HDH)</b>    | April-2010 | 6809       | 597    | 8.78  | 440   | 153   | 4     | 0       | 267 | 173  | 0         | 0   | 0    | 0   | 0            | 1                 | 3             | 96      | 17    |         |
| <b>Jhalokathi* (JDH)</b> | April-2010 | 280        | 40     | 14.29 | 9     | 31    | 0     | 0       | 7   | 2    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Feni* (FDH)</b>       | April-2010 | 284        | 37     | 13.03 | 19    | 18    | 0     | 1       | 13  | 5    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Rangamati* (RDH)</b>  | April-2010 | 256        | 39     | 15.23 | 17    | 22    | 0     | 1       | 9   | 7    | 0         | 0   | 0    | 0   | 0            | 0                 | 0             | 0       | 0     |         |
| <b>Cox's Bazar (CDH)</b> | April-2010 | 5829       | 402    | 6.90  | 295   | 106   | 1     | 0       | 190 | 103  | 0         | 0   | 0    | 1   | 0            | 0                 | 0             | 43      | 14    |         |
| <b>Joypurhat (JDH)</b>   | April-2014 | 5537       | 369    | 6.66  | 239   | 128   | 2     | 0       | 163 | 76   | 0         | 0   | 0    | 0   | 0            | 2                 | 0             | 95      | 15    |         |
| <b>Patuakhali (PDH)</b>  | April-2014 | 6370       | 553    | 8.68  | 418   | 129   | 6     | 0       | 281 | 93   | 0         | 0   | 0    | 3   | 0            | 1                 | 2             | 99      | 14    |         |
| <b>DMCH (DMC)</b>        | Jan-2015   | 5524       | 326    | 5.90  | 247   | 76    | 3     | 0       | 156 | 133  | 0         | 0   | 0    | 1   | 0            | 0                 | 2             | 76      | 9     |         |
| <b>Gazipur (GMCH)</b>    | Aug-2015   | 5722       | 516    | 9.02  | 388   | 126   | 2     | 0       | 280 | 107  | 0         | 0   | 0    | 0   | 0            | 2                 | 0             | 100     | 26    |         |
| <b>Total</b>             |            |            | 61894  | 4882  | 07.89 | 3430  | 1488  | 28      | 5   | 2272 | 1139      | 0   | 0    | 0   | 11           | 2                 | 7             | 14      | 870   | 162     |

**\*Surveillance Sites have been closed**

# National Influenza Surveillance, Bangladesh (NISB)

## Influenza Seasonality Graph

### April 2011 – August 2024



#### Summary: August 2024

- Weekly Sample Transportation: Done
- Total Sample Collected ILI: 603 SARI: 480
- Total flu positive: 41
- Flu positivity: 03.79%
- Total Covid-19 Positive: 13
- Covid-19 Positivity: 01.20%