



## Monthly summary report

# Hospital-Based Human Influenza Surveillance in Bangladesh

**March 2025**

**Hospital based influenza surveillance**  
**Monthly hospital-wise influenza lab results**  
**March 2025**

| Hospital | District    | Sample     | Flu       | Flu %    | Flu A    | Flu B    | Flu A+B  | Flu A/H1 | Flu A/H3 | Flu A/H5 | Flu A/H7 | Flu A/<br>(H1N1)pdm09 | Flu B<br>Yamagata | Flu B<br>Victoria |
|----------|-------------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------------|-------------------|-------------------|
| JIMCH    | Kishoregonj | 72         | 5         | 7        | 3        | 2        | 0        | 0        | 2        | 0        | 0        | 1                     | 0                 | 2                 |
| RMCH     | Rajshahi    | 25         | 1         | 4        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0                     | 0                 | 1                 |
| CuMCH    | Cumilla     | 28         | 1         | 4        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0                     | 0                 | 0                 |
| KMCH     | Khulna      | 15         | 1         | 7        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0                     | 0                 | 0                 |
| JGH      | Jashore     | 63         | 4         | 6        | 2        | 2        | 0        | 0        | 0        | 0        | 0        | 2                     | 0                 | 2                 |
| JRRMCH   | Sylhet      | 58         | 2         | 3        | 1        | 1        | 0        | 0        | 1        | 0        | 0        | 0                     | 0                 | 1                 |
| SBMCH    | Barishal    | 34         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0                     | 0                 | 0                 |
| CMCH     | Chattogram  | 77         | 2         | 3        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 1                     | 0                 | 1                 |
| DjMCH    | Dinajpur    | 65         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0                     | 0                 | 0                 |
|          |             | <b>437</b> | <b>16</b> | <b>4</b> | <b>9</b> | <b>7</b> | <b>0</b> | <b>0</b> | <b>5</b> | <b>0</b> | <b>0</b> | <b>4</b>              | <b>0</b>          | <b>7</b>          |

**Hospital based influenza surveillance**  
**Monthly enrollment by different wards (Medicine, Pediatrics and CCU)**  
**March 2025**

| Hospital | District    | Medicine ward |          |          | Pediatrics ward (≤12 years of age) |          |          | Coronary Care Unit (CCU) |          |          |
|----------|-------------|---------------|----------|----------|------------------------------------|----------|----------|--------------------------|----------|----------|
|          |             | Sample        | Flu      | Flu %    | Sample                             | Flu      | Flu %    | Sample                   | Flu      | Flu %    |
| JIMCH    | Kishoregonj | 39            | 4        | 10       | 29                                 | 1        | 3        | 4                        | 0        | 0        |
| RMCH     | Rajshahi    | 9             | 0        | 0        | 16                                 | 1        | 6        | 0                        | 0        | 0        |
| CuMCH    | Cumilla     | 16            | 1        | 6        | 12                                 | 0        | 0        | 0                        | 0        | 0        |
| KMCH     | Khulna      | 4             | 0        | 0        | 11                                 | 1        | 9        | 0                        | 0        | 0        |
| JGH      | Jashore     | 34            | 1        | 3        | 28                                 | 3        | 11       | 1                        | 0        | 0        |
| JRRMCH   | Sylhet      | 35            | 0        | 0        | 23                                 | 2        | 9        | 0                        | 0        | 0        |
| SBMCH    | Barishal    | 23            | 0        | 0        | 11                                 | 0        | 0        | 0                        | 0        | 0        |
| CMCH     | Chattogram  | 44            | 2        | 5        | 33                                 | 0        | 0        | 0                        | 0        | 0        |
| DjMCH    | Dinajpur    | 31            | 0        | 0        | 34                                 | 0        | 0        | 0                        | 0        | 0        |
|          |             | <b>235</b>    | <b>8</b> | <b>3</b> | <b>197</b>                         | <b>8</b> | <b>4</b> | <b>5</b>                 | <b>0</b> | <b>0</b> |

**Hospital based influenza surveillance**  
**Monthly enrollment by different surveillance groups**  
**March 2025**

| Hospital | District    | SARI (aged $\geq$ 5 years) |          |          | SARI (aged < 5 years) |          |          | ILI <sup>‡</sup> |          |          |
|----------|-------------|----------------------------|----------|----------|-----------------------|----------|----------|------------------|----------|----------|
|          |             | Sample                     | Flu      | Flu %    | Sample                | Flu      | Flu %    | Sample           | Flu      | Flu %    |
| JIMCH    | Kishoregonj | 24                         | 3        | 13       | 6                     | 0        | 0        | 42               | 2        | 5        |
| RMCH     | Rajshahi    | 11                         | 0        | 0        | 14                    | 1        | 7        | -                | -        | -        |
| CuMCH    | Cumilla     | 17                         | 1        | 6        | 11                    | 0        | 0        | -                | -        | -        |
| KMCH     | Khulna      | 6                          | 1        | 17       | 9                     | 0        | 0        | -                | -        | -        |
| JGH      | Jashore     | 11                         | 1        | 9        | 9                     | 0        | 0        | 43               | 3        | 7        |
| JRRMCH   | Sylhet      | 11                         | 0        | 0        | 11                    | 2        | 18       | 36               | 0        | 0        |
| SBMCH    | Barishal    | 24                         | 0        | 0        | 10                    | 0        | 0        | -                | -        | -        |
| CMCH     | Chattogram  | 20                         | 1        | 5        | 11                    | 0        | 0        | 46               | 1        | 2        |
| DjMCH    | Dinajpur    | 11                         | 0        | 0        | 10                    | 0        | 0        | 44               | 0        | 0        |
|          |             | <b>135</b>                 | <b>7</b> | <b>5</b> | <b>91</b>             | <b>3</b> | <b>3</b> | <b>211</b>       | <b>6</b> | <b>3</b> |

**Hospital based influenza surveillance**  
**Influenza results by different age groups**  
**March 2025**

| Age groups  | March 2025            |          |          |                  |          |          |                       |          |          | Initiation—March 2025 |              |           |                  |              |           |                       |              |          |
|-------------|-----------------------|----------|----------|------------------|----------|----------|-----------------------|----------|----------|-----------------------|--------------|-----------|------------------|--------------|-----------|-----------------------|--------------|----------|
|             | SARI (aged ≥ 5 years) |          |          | ILI <sup>‡</sup> |          |          | SARI (aged < 5 years) |          |          | SARI (aged ≥ 5 years) |              |           | ILI <sup>‡</sup> |              |           | SARI (aged < 5 years) |              |          |
|             | Sample                | Flu      | Flu %    | Sample           | Flu      | Flu %    | Sample                | Flu      | Flu %    | Sample                | Flu          | Flu %     | Sample           | Flu          | Flu %     | Sample                | Flu          | Flu %    |
| <1 Year     | -                     | -        | -        | 13               | 0        | 0        | 61                    | 1        | 2        | -                     | -            | -         | 2,982            | 196          | 7         | 12,086                | 734          | 6        |
| 1-4 Years   | -                     | -        | -        | 41               | 2        | 5        | 30                    | 2        | 7        | -                     | -            | -         | 5,165            | 733          | 14        | 5,595                 | 833          | 15       |
| 5-14 Years  | 32                    | 3        | 9        | 26               | 0        | 0        | -                     | -        | -        | 5,852                 | 1232         | 21        | 3,456            | 748          | 22        | -                     | -            | -        |
| 15-24 Years | 20                    | 0        | 0        | 36               | 3        | 8        | -                     | -        | -        | 5,794                 | 1310         | 23        | 3,558            | 650          | 18        | -                     | -            | -        |
| 25-39 Years | 18                    | 0        | 0        | 45               | 1        | 2        | -                     | -        | -        | 6,077                 | 1161         | 19        | 2,914            | 445          | 15        | -                     | -            | -        |
| 40-59 Years | 28                    | 3        | 11       | 34               | 0        | 0        | -                     | -        | -        | 7,705                 | 1218         | 16        | 2,001            | 267          | 13        | -                     | -            | -        |
| ≥ 60 Years  | 37                    | 1        | 3        | 16               | 0        | 0        | -                     | -        | -        | 7,831                 | 1195         | 15        | 674              | 70           | 10        | -                     | -            | -        |
|             | <b>135</b>            | <b>7</b> | <b>5</b> | <b>211</b>       | <b>6</b> | <b>3</b> | <b>91</b>             | <b>3</b> | <b>3</b> | <b>33,259</b>         | <b>6,116</b> | <b>18</b> | <b>20,750</b>    | <b>3,109</b> | <b>15</b> | <b>17,681</b>         | <b>1,567</b> | <b>9</b> |

<sup>‡</sup>Outpatient ILI surveillance reinitiated at JIMCH (Kishoregonj), JGH (Jashore), JRRMCH (Sylhet), CMCH (Chattogram) and MARMCH (Dinajpur) in November 2023.

# Hospital based influenza surveillance

## Hospital-wise influenza lab results

### Surveillance initiation—March 2025

| Hospital            | District    | Initiation | Sample        | Flu           | Flu %     | Flu A <sup>ψ</sup> | Flu B <sup>λ</sup> | Flu A+B <sup>τ</sup> | Flu A/H1   | Flu A/H3     | Flu A/H5 | Flu A/H7 | Flu A/<br>(H1N1)pdm09 | Flu B<br>Yamagata | Flu B<br>Victoria |
|---------------------|-------------|------------|---------------|---------------|-----------|--------------------|--------------------|----------------------|------------|--------------|----------|----------|-----------------------|-------------------|-------------------|
| DNMCH <sup>γ</sup>  | Dhaka       | Jun 2007   | 2,061         | 312           | 15        | 201                | 111                | 0                    | 15         | 84           | 0        | 0        | 102                   | 13                | 7                 |
| CBMCH <sup>γ</sup>  | Mymensingh  | Oct 2007   | 2,053         | 302           | 15        | 206                | 96                 | 0                    | 7          | 107          | 1        | 0        | 91                    | 16                | 10                |
| JIMCH               | Kishoregonj | Sep 2007   | 9,275         | 1,607         | 17        | 1092               | 514                | 1                    | 9          | 598          | 0        | 0        | 483                   | 64                | 280               |
| RMCH                | Rajshahi    | May 2007   | 5,743         | 641           | 11        | 445                | 196                | 0                    | 14         | 272          | 0        | 0        | 157                   | 39                | 96                |
| SZRMCH <sup>γ</sup> | Bogra       | Sep 2007   | 3,865         | 653           | 17        | 439                | 213                | 1                    | 12         | 256          | 0        | 0        | 170                   | 29                | 39                |
| LAMB <sup>†</sup>   | Dinajpur    | Oct 2007   | 1,171         | 112           | 10        | 72                 | 40                 | 0                    | 7          | 41           | 0        | 0        | 24                    | 1                 | 0                 |
| BBMH <sup>†</sup>   | Chattogram  | Aug 2007   | 1,440         | 157           | 11        | 118                | 39                 | 0                    | 13         | 42           | 0        | 0        | 63                    | 3                 | 0                 |
| CuMCH <sup>†</sup>  | Cumilla     | Oct 2007   | 7,287         | 886           | 12        | 611                | 272                | 3                    | 9          | 327          | 0        | 0        | 274                   | 28                | 94                |
| KMCH                | Khulna      | Jul 2007   | 4,894         | 684           | 14        | 492                | 191                | 1                    | 16         | 267          | 0        | 0        | 204                   | 17                | 113               |
| JGH <sup>γ†</sup>   | Jashore     | Sep 2007   | 7,093         | 1438          | 20        | 982                | 453                | 3                    | 10         | 542          | 0        | 0        | 430                   | 26                | 289               |
| JRRMCH              | Sylhet      | Jul 2007   | 6,960         | 1085          | 16        | 732                | 351                | 2                    | 16         | 384          | 0        | 0        | 331                   | 34                | 174               |
| SBMCH               | Barishal    | Aug 2007   | 8,398         | 1171          | 14        | 796                | 371                | 4                    | 7          | 411          | 0        | 0        | 374                   | 56                | 166               |
| CMCH                | Chattogram  | Apr 2014   | 6,839         | 1061          | 16        | 781                | 276                | 4                    | 0          | 395          | 0        | 0        | 385                   | 41                | 215               |
| DjMCH               | Dinajpur    | Apr 2014   | 4,611         | 683           | 15        | 461                | 222                | 0                    | 0          | 268          | 0        | 0        | 190                   | 28                | 173               |
|                     |             |            | <b>71,690</b> | <b>10,792</b> | <b>15</b> | <b>7,428</b>       | <b>3,345</b>       | <b>19</b>            | <b>135</b> | <b>3,994</b> | <b>1</b> | <b>0</b> | <b>3,278</b>          | <b>395</b>        | <b>1,656</b>      |

<sup>λ</sup> Influenza B lineages initiated in January 2016

<sup>ψ</sup> rRT-PCR result of four samples were equivocal positive for Influenza A.

<sup>γ</sup> Three samples were co-infected with both A(H3) and A(H1N1)pdm09.

<sup>λ</sup> Three samples were co-infected with both Influenza B (Yamagata lineage) and Influenza B (Victoria lineage), another ten samples were unsubtypeable.

<sup>τ</sup> Three samples were co-infected with both Influenza A(H1N1)pdm09 and Influenza B (Victoria lineage).

<sup>†</sup> Nine samples were co-infected with both Influenza A(H3) and Influenza B (Victoria lineage).

<sup>†</sup> Surveillance activities ended at LAMB (Dinajpur) and BBMH (Chittagong) in May 2016.

Outpatient ILI surveillance discontinued in October 2017.

<sup>γ</sup> Surveillance activities ended at DNMCH (Dhaka), CBMCH (Mymensingh), SZRMCH (Bogra) and JGH (Jessore) in October 2017.

<sup>†</sup> Surveillance activities reinitiated at Cumilla Medical College Hospital (CuMCH), Cumilla in January 2018.

<sup>†</sup> Surveillance activities reinitiated at Jashore 250 bed General Hospital (JGH), Jashore in December 2018.

Note: Surveillance activities extended to the intensive care units (ICU) and coronary care unit (CCU) of the participating hospitals in January 2018.

<sup>φ</sup> Intensive care units (ICU) surveillance discontinued in January 2019.

\* One sample from CuMCH (Cumilla) and two samples from KMCH (Khulna) collected in November 2019 were not true positive for influenza A and were considered as inconclusive result. The result will be confirmed with further test through viral culture.

<sup>†</sup> Nine samples (one each from JIMCH, JRRMCH and DjMCH and two each from RMCH, KMCH and SBMCH) collected in December 2019 were not true positive for influenza A and were considered as inconclusive result. The result will be confirmed with further test through viral culture.

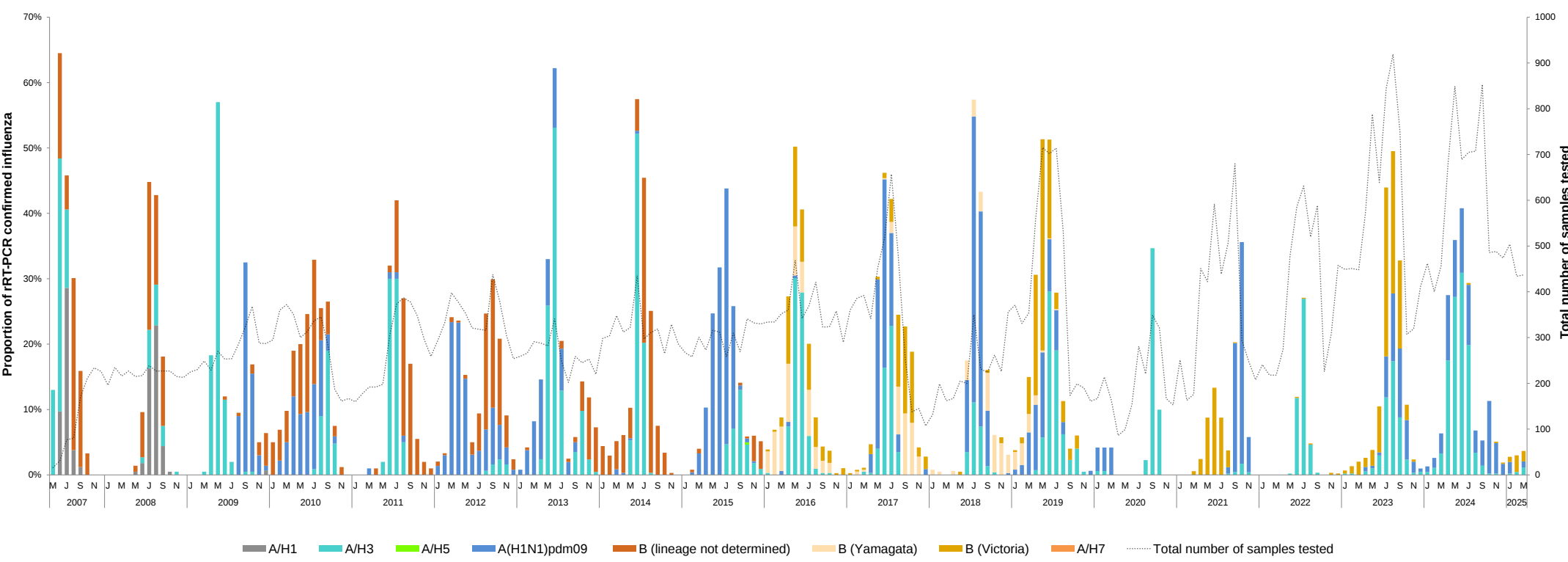
Outpatient ILI surveillance reinitiated at JRRMCH (Sylhet), CMCH (Chattogram) and DjMCH (Dinajpur) in November 2022.

Outpatient ILI surveillance reinitiated at JIMCH (Kishoregonj) and JGH (Jashore) in December 2022.

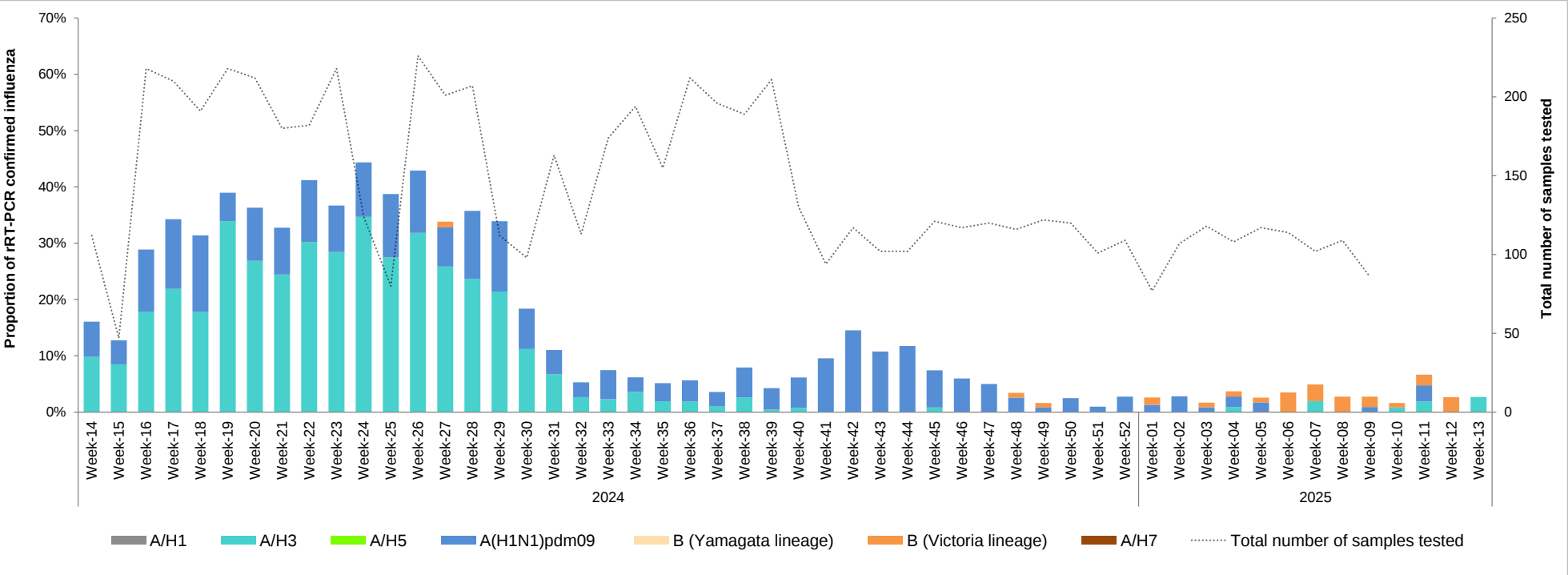
Outpatient ILI surveillance discontinued in October 2023.

Outpatient ILI surveillance reinitiated at JIMCH (Kishoregonj), JGH (Jashore), JRRMCH (Sylhet), CMCH (Chattogram) and DjMCH (Dinajpur) in November 2023.

## May 2007—March 2025



Hospital based influenza surveillance  
Influenza seasonality graph  
Week 14 of 2024 to week 13 of 2025



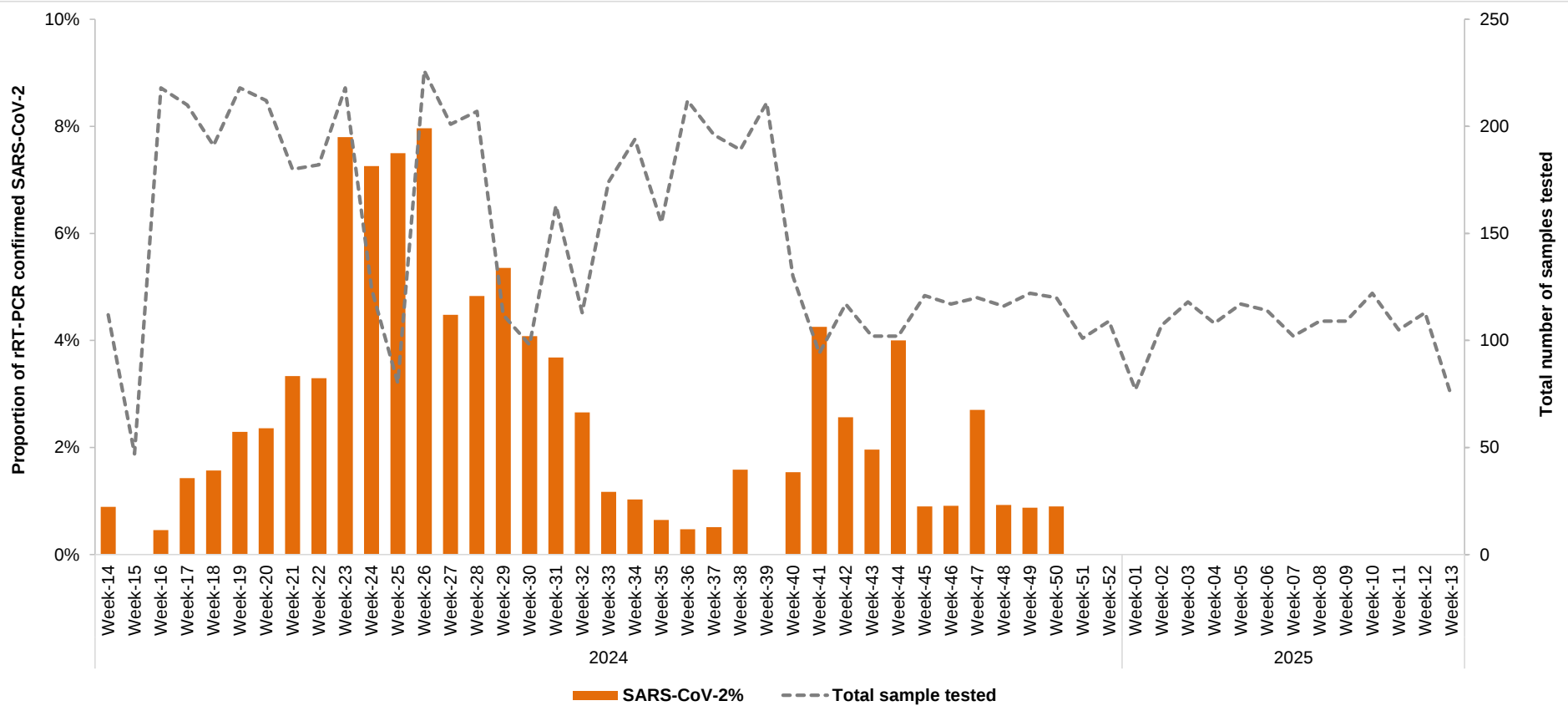
**Hospital based influenza surveillance**  
**Hospital-wise SARS-CoV-2 lab results**  
**March 2025**

| Hospital | District    | March 2025 |            |              | March 2020—March 2025 |              |              |
|----------|-------------|------------|------------|--------------|-----------------------|--------------|--------------|
|          |             | Sample     | SARS-CoV-2 | SARS-CoV-2 % | Sample                | SARS-CoV-2   | SARS-CoV-2 % |
| JIMCH    | Kishoregonj | 72         | 0          | 0            | 3,882                 | 172          | 4            |
| RMCH     | Rajshahi    | 25         | 0          | 0            | 2,276                 | 149          | 7            |
| CuMCH    | Cumilla     | 28         | 0          | 0            | 2,309                 | 138          | 6            |
| KMCH     | Khulna      | 15         | 0          | 0            | 1,915                 | 219          | 11           |
| JGH      | Jashore     | 63         | 0          | 0            | 3,209                 | 228          | 7            |
| JRRMCH   | Sylhet      | 58         | 0          | 0            | 3,127                 | 193          | 6            |
| SBMCH    | Barishal    | 34         | 0          | 0            | 2,791                 | 186          | 7            |
| CMCH     | Chattogram  | 77         | 0          | 0            | 4,298                 | 285          | 7            |
| DjMCH    | Dinajpur    | 65         | 0          | 0            | 2,948                 | 153          | 5            |
|          |             | <b>437</b> | <b>0</b>   | <b>0</b>     | <b>26,755</b>         | <b>1,723</b> | <b>6</b>     |

**Hospital based influenza surveillance**  
**SARS-CoV-2 results by different age groups**  
**March 2025**

| Age groups  | March 2025 |            |              | March 2020—March 2025 |              |              |
|-------------|------------|------------|--------------|-----------------------|--------------|--------------|
|             | Sample     | SARS-CoV-2 | SARS-CoV-2 % | Sample                | SARS-CoV-2   | SARS-CoV-2 % |
| <1 Year     | 74         | 0          | 0            | 5766                  | 185          | 3            |
| 1-4 Years   | 71         | 0          | 0            | 4103                  | 50           | 1            |
| 5-14 Years  | 58         | 0          | 0            | 3,588                 | 70           | 2            |
| 15-24 Years | 56         | 0          | 0            | 3,104                 | 150          | 5            |
| 25-39 Years | 63         | 0          | 0            | 3,093                 | 309          | 10           |
| 40-59 Years | 62         | 0          | 0            | 3,799                 | 513          | 14           |
| ≥ 60 Years  | 53         | 0          | 0            | 3,302                 | 446          | 14           |
|             | <b>437</b> | <b>0</b>   | <b>0</b>     | <b>26,755</b>         | <b>1,723</b> | <b>6</b>     |

Hospital based influenza surveillance  
SARS-CoV-2 positivity trend by week  
Week 14 of 2024 to week 13 of 2025



Hospital based influenza surveillance  
Influenza and SARS-CoV-2 positivity graph  
March 2020—March 2025

