

## Monthly summary report

# Hospital-Based Human Influenza Surveillance in Bangladesh

**January 2025**

**Hospital based influenza surveillance**  
**Monthly hospital-wise influenza lab results**  
**January 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/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
JIMCH	Kishoregonj	83	3	4	3	0	0	0	1	0	0	2	0	0
RMCH	Rajshahi	27	0	0	0	0	0	0	0	0	0	0	0	0
CuMCH	Cumilla	31	0	0	0	0	0	0	0	0	0	0	0	0
KMCH	Khulna	25	2	8	1	1	0	0	0	0	0	1	0	1
JGH	Jashore	70	5	7	5	0	0	0	0	0	0	5	0	0
JRRMCH	Sylhet	77	2	3	0	2	0	0	0	0	0	0	0	2
SBMCH	Barishal	38	1	3	1	0	0	0	0	0	0	1	0	0
CMCH	Chattogram	83	1	1	0	1	0	0	0	0	0	0	0	1
DjMCH	Dinajpur	70	0	0	0	0	0	0	0	0	0	0	0	0
		<b>504</b>	<b>14</b>	<b>3</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>4</b>

**Hospital based influenza surveillance**  
**Monthly enrollment by different wards (Medicine, Pediatrics and CCU)**  
**January 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	43	3	7	39	0	0	1	0	0
RMCH	Rajshahi	15	0	0	12	0	0	0	0	0
CuMCH	Cumilla	15	0	0	14	0	0	2	0	0
KMCH	Khulna	19	1	5	6	1	17	0	0	0
JGH	Jashore	36	3	8	33	2	6	1	0	0
JRRMCH	Sylhet	42	1	2	35	1	3	0	0	0
SBMCH	Barishal	27	1	4	11	0	0	0	0	0
CMCH	Chattogram	43	0	0	40	1	3	0	0	0
DjMCH	Dinajpur	33	0	0	36	0	0	1	0	0
		<b>273</b>	<b>9</b>	<b>3</b>	<b>226</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>

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

Hospital	District	SARI (aged ≥ 5 years)			SARI (aged < 5 years)			ILI <sup>‡</sup>		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
JIMCH	Kishoregonj	22	1	5	10	0	0	51	2	4
RMCH	Rajshahi	17	0	0	10	0	0	-	-	-
CuMCH	Cumilla	21	0	0	10	0	0	-	-	-
KMCH	Khulna	20	2	10	5	0	0	-	-	-
JGH	Jashore	11	1	9	10	0	0	49	4	8
JRRMCH	Sylhet	17	1	6	10	0	0	50	1	2
SBMCH	Barishal	28	1	4	10	0	0	-	-	-
CMCH	Chattogram	24	0	0	10	0	0	49	1	2
DjMCH	Dinajpur	15	0	0	10	0	0	45	0	0
		<b>175</b>	<b>6</b>	<b>3</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>244</b>	<b>8</b>	<b>3</b>

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

Age groups	January 2025									Initiation—January 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	-	-	-	9	0	0	52	0	0	-	-	-	2,958	196	7	11,982	733	6
1-4 Years	-	-	-	46	1	2	33	0	0	-	-	-	5,082	730	14	5,536	831	15
5-14 Years	35	2	6	55	2	4	-	-	-	5,788	1226	21	3,391	747	22	-	-	-
15-24 Years	13	1	8	51	2	4	-	-	-	5,759	1310	23	3,484	644	18	-	-	-
25-39 Years	39	1	3	41	2	5	-	-	-	6,039	1160	19	2,830	442	16	-	-	-
40-59 Years	36	0	0	31	1	3	-	-	-	7,644	1213	16	1,919	267	14	-	-	-
≥ 60 Years	52	2	4	11	0	0	-	-	-	7,750	1193	15	647	70	11	-	-	-
	<b>175</b>	<b>6</b>	<b>3</b>	<b>244</b>	<b>8</b>	<b>3</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>32,980</b>	<b>6,102</b>	<b>19</b>	<b>20,311</b>	<b>3,096</b>	<b>15</b>	<b>17,518</b>	<b>1,564</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—January 2025**

Hospital	District	Initiation	Sample	Flu	Flu %	Flu A <sup>ψ</sup>	Flu B <sup>λ</sup>	Flu A+B <sup>‡</sup>	Flu A/H1	Flu A/H3	Flu A/H5	Flu A/H7	Flu A/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
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	9,125	1,597	18	1087	508	1	9	595	0	0	481	64	274
RMCH	Rajshahi	May 2007	5,698	640	11	445	195	0	14	272	0	0	157	39	95
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	7,237	883	12	610	270	3	9	326	0	0	274	28	92
KMCH	Khulna	Jul 2007	4,858	682	14	490	191	1	16	266	0	0	203	17	113
JGH <sup>γ†</sup>	Jashore	Sep 2007	6,966	1431	21	979	449	3	10	541	0	0	428	26	285
JRRMCH	Sylhet	Jul 2007	6,833	1081	16	731	348	2	16	383	0	0	331	34	171
SBMCH	Barishal	Aug 2007	8,333	1171	14	796	371	4	7	411	0	0	374	56	166
CMCH	Chattogram	Apr 2014	6,687	1058	16	780	274	4	0	395	0	0	384	41	213
DjMCH <sup>2</sup>	Dinajpur	Apr 2014	4,482	683	15	461	222	0	0	268	0	0	190	28	173
			<b>70,809</b>	<b>10,762</b>	<b>15</b>	<b>7,415</b>	<b>3,327</b>	<b>19</b>	<b>135</b>	<b>3,987</b>	<b>1</b>	<b>0</b>	<b>3,272</b>	<b>395</b>	<b>1,638</b>

<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>‡</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.

<sup>2</sup>Dinajpur Medical College Hospital (DjMCH) has been renamed as M Abdur Rahim Medical College Hospital (MARMCH).

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 MARMCH 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 MARMCH (Dinajpur) in November 2022.

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

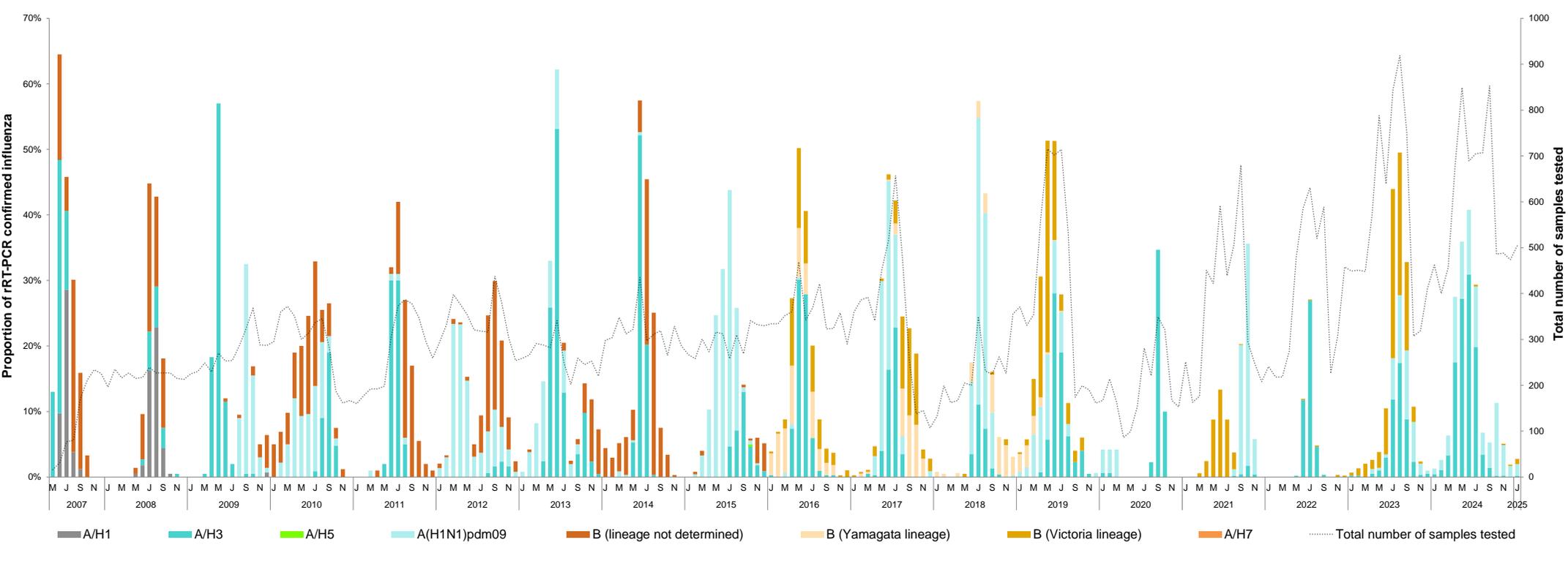
Outpatient ILI surveillance discontinued in October 2023.

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

# Hospital based influenza surveillance

## Influenza seasonality graph

### May 2007—January 2025

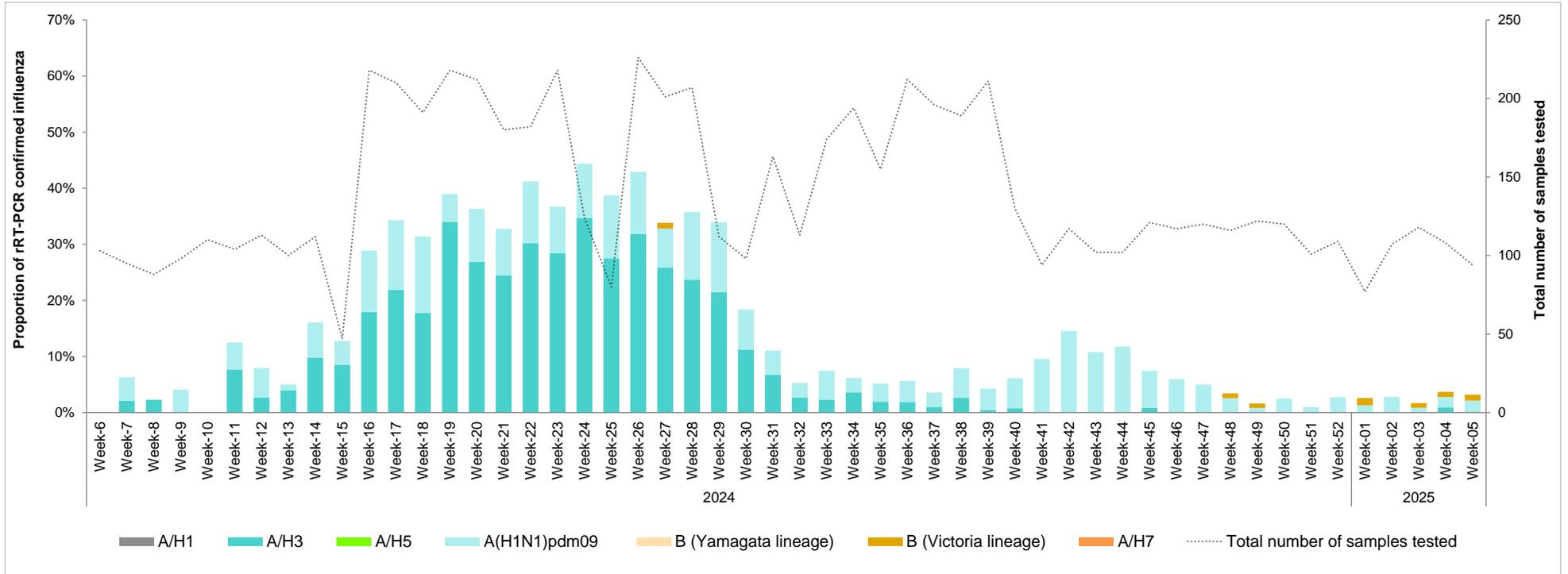


Note: Influenza B lineages initiated in January 2016

# Hospital based influenza surveillance

## Influenza seasonality graph

### Week 06 of 2024 to week 05 of 2025



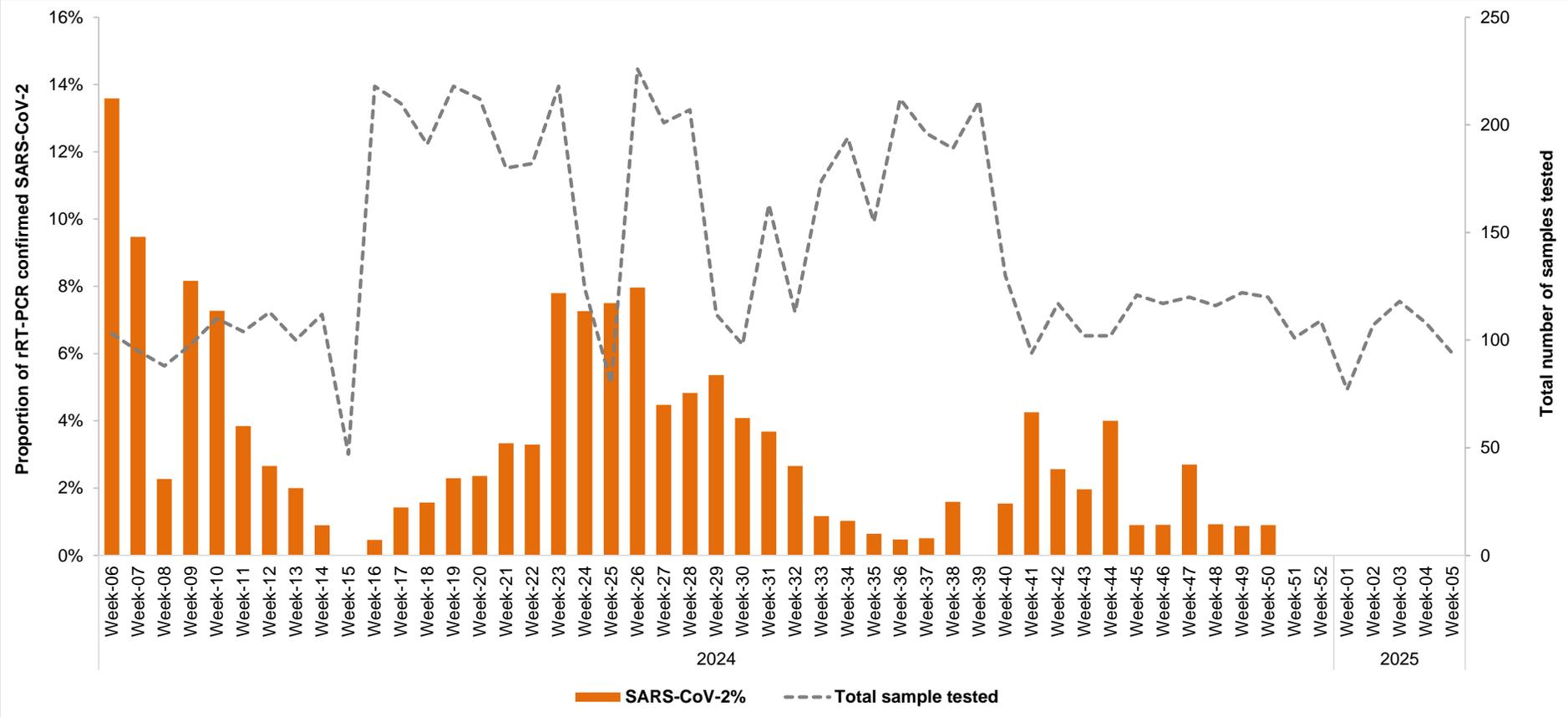
**Hospital based influenza surveillance**  
**Hospital-wise SARS-CoV-2 lab results**  
**January 2025**

Hospital	District	January 2025			March 2020—January 2025		
		Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
JIMCH	Kishoregonj	83	0	0	3,732	172	5
RMCH	Rajshahi	27	0	0	2,231	149	7
CuMCH	Cumilla	31	0	0	2,259	138	6
KMCH	Khulna	25	0	0	1,879	219	12
JGH	Jashore	70	0	0	3,082	228	7
JRRMCH	Sylhet	77	0	0	3,000	193	6
SBMCH	Barishal	38	0	0	2,726	186	7
CMCH	Chattogram	83	0	0	4,146	285	7
DjMCH	Dinajpur	70	0	0	2,819	153	5
		<b>504</b>	<b>0</b>	<b>0</b>	<b>25,874</b>	<b>1,723</b>	<b>7</b>

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

Age groups	January 2025			March 2020—January 2025		
	Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
<1 Year	61	0	0	5638	185	3
1-4 Years	79	0	0	3961	50	1
5-14 Years	90	0	0	3,459	70	2
15-24 Years	64	0	0	2,995	150	5
25-39 Years	80	0	0	2,971	309	10
40-59 Years	67	0	0	3,656	513	14
≥ 60 Years	63	0	0	3,194	446	14
	<b>504</b>	<b>0</b>	<b>0</b>	<b>25,874</b>	<b>1,723</b>	<b>7</b>

**Hospital based influenza surveillance  
SARS-CoV-2 positivity trend by week  
Week 06 of 2024 to week 05 of 2025**



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

