



Monthly summary report

Hospital-Based Human Influenza Surveillance in Bangladesh

February 2025

Hospital based influenza surveillance
Monthly hospital-wise influenza lab results
February 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	Flu B Victoria
JIMCH	Kishoregonj	76	5	7	1	4	0	0	1	0	0	0	0	4
RMCH	Rajshahi	19	0	0	0	0	0	0	0	0	0	0	0	0
CuMCH	Cumilla	21	2	10	0	2	0	0	0	0	0	0	0	2
KMCH	Khulna	20	0	0	0	0	0	0	0	0	0	0	0	0
JGH	Jashore	64	3	5	1	2	0	0	1	0	0	0	0	2
JRRMCH	Sylhet	69	2	3	0	2	0	0	0	0	0	0	0	2
SBMCH	Barishal	31	0	0	0	0	0	0	0	0	0	0	0	0
CMCH	Chattogram	74	1	1	0	1	0	0	0	0	0	0	0	1
DjMCH	Dinajpur	60	0	0	0	0	0	0	0	0	0	0	0	0
		434	13	3	2	11	0	0	2	0	0	0	0	11

Hospital based influenza surveillance
Monthly enrollment by different wards (Medicine, Pediatrics and CCU)
February 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	37	1	3	37	4	11	2	0	0
RMCH	Rajshahi	10	0	0	9	0	0	0	0	0
CuMCH	Cumilla	12	2	17	8	0	0	1	0	0
KMCH	Khulna	10	0	0	10	0	0	0	0	0
JGH	Jashore	35	2	6	29	1	3	0	0	0
JRRMCH	Sylhet	40	2	5	27	0	0	2	0	0
SBMCH	Barishal	21	0	0	10	0	0	0	0	0
CMCH	Chattogram	44	1	2	29	0	0	1	0	0
DjMCH	Dinajpur	34	0	0	26	0	0	0	0	0
		243	8	3	185	5	3	6	0	0

Hospital based influenza surveillance
Monthly enrollment by different surveillance groups
February 2025

Hospital	District	SARI (aged ≥ 5 years)			SARI (aged < 5 years)			ILI [‡]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
JIMCH	Kishoregonj	24	2	8	8	0	0	44	3	7
RMCH	Rajshahi	11	0	0	8	0	0	-	-	-
CuMCH	Cumilla	14	2	14	7	0	0	-	-	-
KMCH	Khulna	12	0	0	8	0	0	-	-	-
JGH	Jashore	10	1	10	8	0	0	46	2	4
JRRMCH	Sylhet	16	1	6	7	0	0	46	1	2
SBMCH	Barishal	23	0	0	8	0	0	-	-	-
CMCH	Chattogram	20	0	0	8	0	0	46	1	2
DjMCH	Dinajpur	7	0	0	7	0	0	46	0	0
		137	6	4	69	0	0	228	7	3

Hospital based influenza surveillance
Influenza results by different age groups
February 2025

Age groups	February 2025									Initiation—February 2025								
	SARI (aged ≥ 5 years)			ILI [†]			SARI (aged < 5 years)			SARI (aged ≥ 5 years)			ILI [†]			SARI (aged < 5 years)		
	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
<1 Year	-	-	-	11	0	0	43	0	0	-	-	-	2,969	196	7	12,025	733	6
1-4 Years	-	-	-	42	1	2	26	0	0	-	-	-	5,124	731	14	5,565	831	15
5-14 Years	32	3	9	39	1	3	-	-	-	5,820	1229	21	3,430	748	22	-	-	-
15-24 Years	15	0	0	38	3	8	-	-	-	5,774	1310	23	3,522	647	18	-	-	-
25-39 Years	19	1	5	39	2	5	-	-	-	6,059	1161	19	2,869	444	15	-	-	-
40-59 Years	31	2	6	48	0	0	-	-	-	7,677	1215	16	1,967	267	14	-	-	-
≥ 60 Years	40	0	0	11	0	0	-	-	-	7,794	1194	15	658	70	11	-	-	-
	137	6	4	228	7	3	69	0	0	33,124	6,109	18	20,539	3,103	15	17,590	1,564	9

[†]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—February 2025

Hospital	District	Initiation	Sample	Flu	Flu %	Flu A ^ψ	Flu B ^λ	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
DNMCH ^γ	Dhaka	Jun 2007	2,061	312	15	201	111	0	15	84	0	0	102	13	7
CBMCH ^γ	Mymensingh	Oct 2007	2,053	302	15	206	96	0	7	107	1	0	91	16	10
JIMCH	Kishoregonj	Sep 2007	9,203	1,602	17	1089	512	1	9	596	0	0	482	64	278
RMCH	Rajshahi	May 2007	5,718	640	11	445	195	0	14	272	0	0	157	39	95
SZRMCH ^γ	Bogra	Sep 2007	3,865	653	17	439	213	1	12	256	0	0	170	29	39
LAMB [†]	Dinajpur	Oct 2007	1,171	112	10	72	40	0	7	41	0	0	24	1	0
BBMH [†]	Chattogram	Aug 2007	1,440	157	11	118	39	0	13	42	0	0	63	3	0
CuMCH [‡]	Cumilla	Oct 2007	7,259	885	12	610	272	3	9	326	0	0	274	28	94
KMCH	Khulna	Jul 2007	4,879	683	14	491	191	1	16	266	0	0	204	17	113
JGH ^{γ†}	Jashore	Sep 2007	7,030	1434	20	980	451	3	10	542	0	0	428	26	287
JRRMCH	Sylhet	Jul 2007	6,902	1083	16	731	350	2	16	383	0	0	331	34	173
SBMCH	Barishal	Aug 2007	8,364	1171	14	796	371	4	7	411	0	0	374	56	166
CMCH	Chattogram	Apr 2014	6,762	1059	16	780	275	4	0	395	0	0	384	41	214
DjMCH ²	Dinajpur	Apr 2014	4,546	683	15	461	222	0	0	268	0	0	190	28	173
			71,253	10,776	15	7,419	3,338	19	135	3,989	1	0	3,274	395	1,649

^ψrRT-PCR result of four samples were equivocal positive for Influenza A.

^γThree samples were co-infected with both A(H3) and A(H1N1)pdm09.

^λThree samples were co-infected with both Influenza B (Yamagata lineage) and Influenza B (Victoria lineage), another ten samples were unsubtypeable.

[‡]Three samples were co-infected with both Influenza A(H1N1)pdm09 and Influenza B (Victoria lineage).

[†]Nine samples were co-infected with both Influenza A(H3) and Influenza B (Victoria lineage).

[†]Surveillance activities ended at LAMB (Dinajpur) and BBMH (Chittagong) in May 2016.

Outpatient ILI surveillance discontinued in October 2017.

^γSurveillance activities ended at DNMCH (Dhaka), CBMCH (Mymensingh), SZRMCH (Bogra) and JGH (Jessore) in October 2017.

[†]Surveillance activities reinitiated at Cumilla Medical College Hospital (CuMCH), Cumilla in January 2018.

[†]Surveillance activities reinitiated at Jashore 250 bed General Hospital (JGH), Jashore in December 2018.

²Dinajpur 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.

^φIntensive 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.

[†]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.

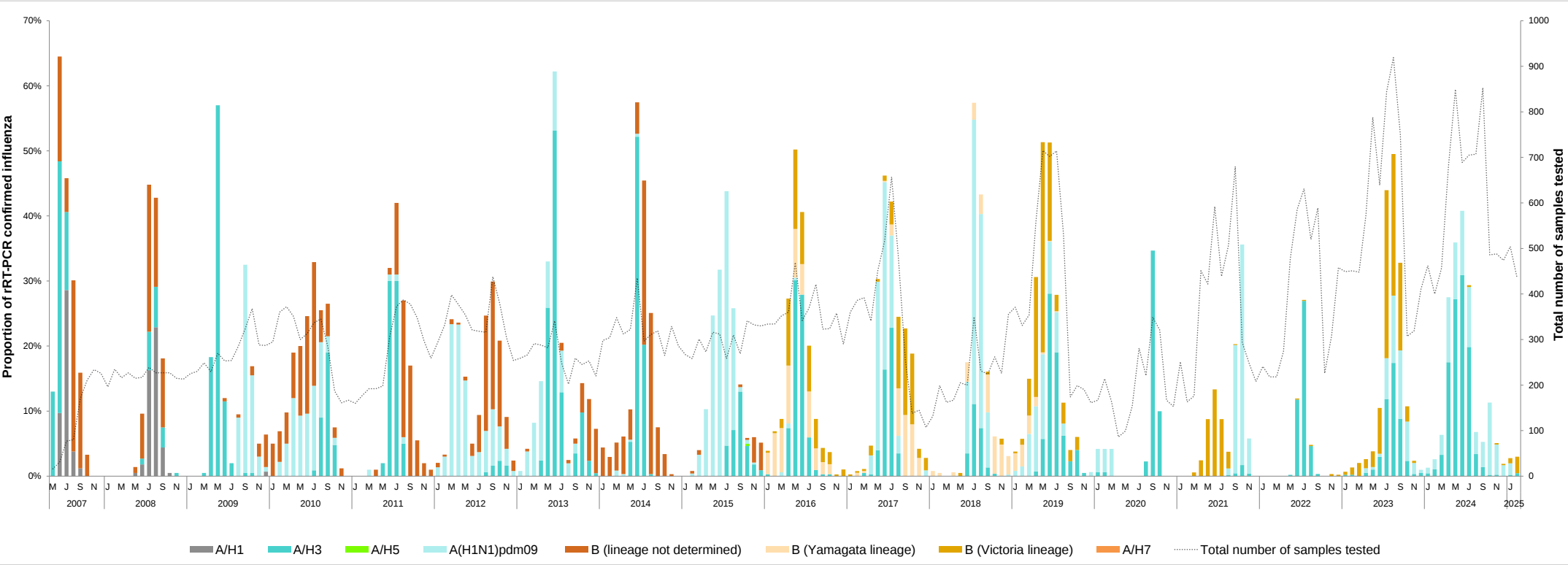
Outpatient ILI surveillance discontinued in October 2023.

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

Hospital based influenza surveillance

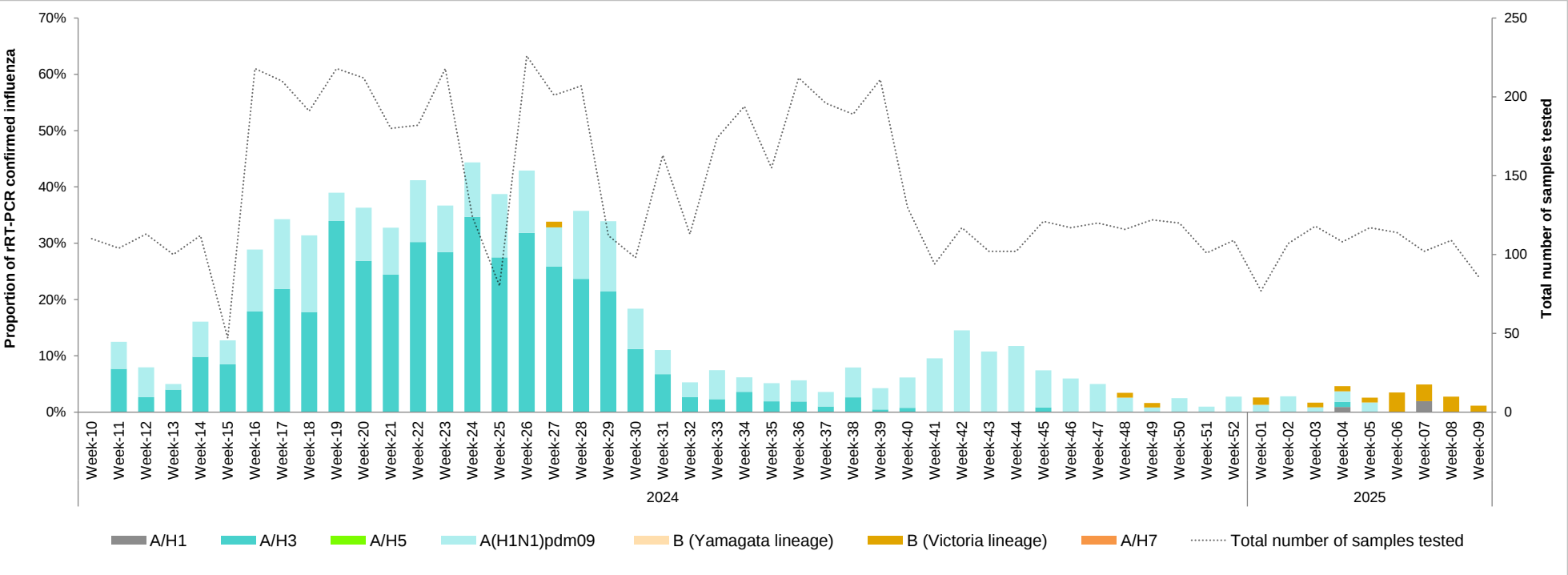
Influenza seasonality graph

May 2007—February 2025



Note: Influenza B lineages initiated in January 2016

Hospital based influenza surveillance
Influenza seasonality graph
Week 10 of 2024 to week 09 of 2025



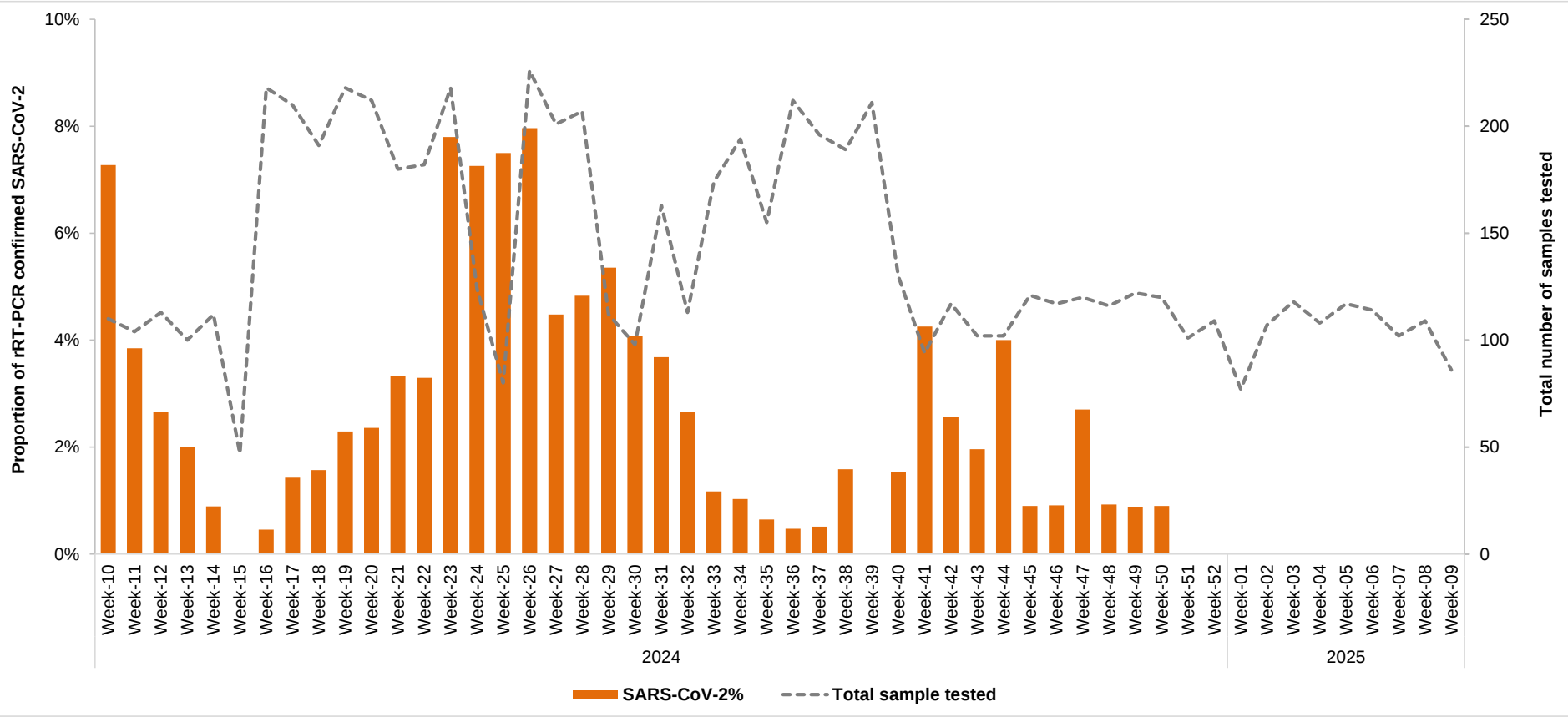
Hospital based influenza surveillance
Hospital-wise SARS-CoV-2 lab results
February 2025

Hospital	District	February 2025			March 2020—February 2025		
		Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
JIMCH	Kishoregonj	76	0	0	3,810	172	5
RMCH	Rajshahi	19	0	0	2,251	149	7
CuMCH	Cumilla	21	0	0	2,281	138	6
KMCH	Khulna	20	0	0	1,900	219	12
JGH	Jashore	64	0	0	3,146	228	7
JRRMCH	Sylhet	69	0	0	3,069	193	6
SBMCH	Barishal	31	0	0	2,757	186	7
CMCH	Chattogram	74	0	0	4,221	285	7
DjMCH	Dinajpur	60	0	0	2,883	153	5
		434	0	0	26,318	1,723	7

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

Age groups	February 2025			March 2020—February 2025		
	Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
<1 Year	54	0	0	5692	185	3
1-4 Years	68	0	0	4032	50	1
5-14 Years	71	0	0	3,530	70	2
15-24 Years	53	0	0	3,048	150	5
25-39 Years	58	0	0	3,030	309	10
40-59 Years	79	0	0	3,737	513	14
≥ 60 Years	51	0	0	3,249	446	14
	434	0	0	26,318	1,723	7

Hospital based influenza surveillance
SARS-CoV-2 positivity trend by week
Week 10 of 2024 to week 09 of 2025



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

