



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/ (H1N1)pdm09	Flu B Yamagata	Flu B 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
		437	16	4	9	7	0	0	5	0	0	4	0	7

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
		235	8	3	197	8	4	5	0	0

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

Hospital	District	SARI (aged $\geq$ 5 years)			SARI (aged < 5 years)			ILI [‡]		
		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
		135	7	5	91	3	3	211	6	3

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

Age groups	March 2025									Initiation—March 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	-	-	-	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	-	-	-
	135	7	5	211	6	3	91	3	3	33,259	6,116	18	20,750	3,109	15	17,681	1,567	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—March 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	Flu B Victoria
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	9,275	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 ^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	7,287	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 ^{γ†}	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
			71,690	10,792	15	7,428	3,345	19	135	3,994	1	0	3,278	395	1,656

^λ Influenza B lineages initiated in January 2016

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

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

^λ Three 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.

^γ Surveillance 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.

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

^φ 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.

[†] 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.

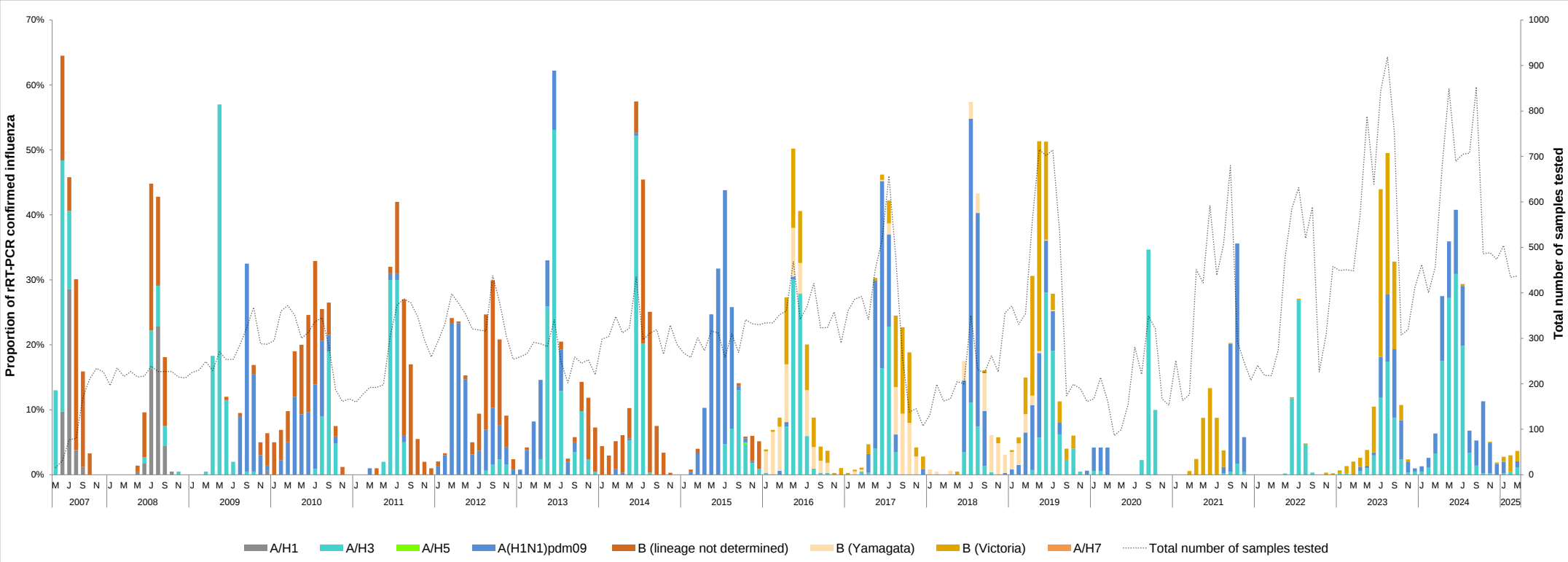
Outpatient ILI surveillance reinitiated at JRRMCH (Sylhet), CMCH (Chattogram) and DjMCH (Dinajpur) in November 2022.

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

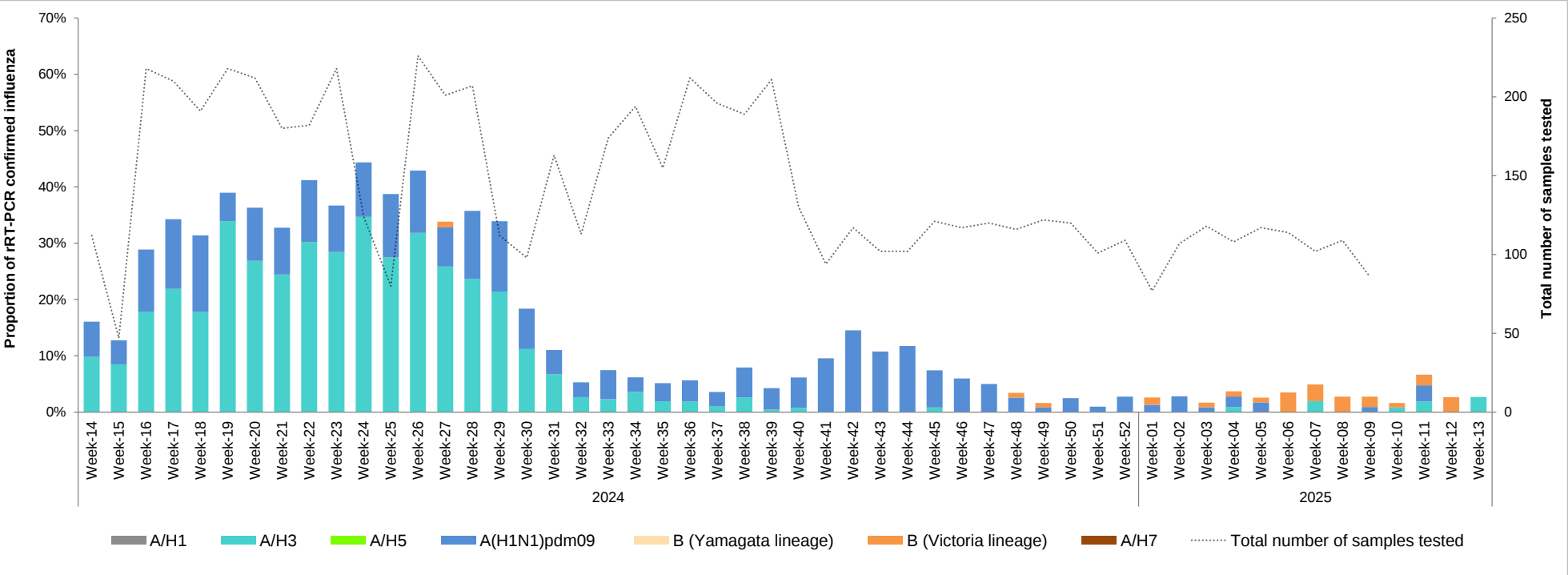
Outpatient ILI surveillance discontinued in October 2023.

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

Hospital based influenza surveillance
Influenza seasonality graph
May 2007—March 2025



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



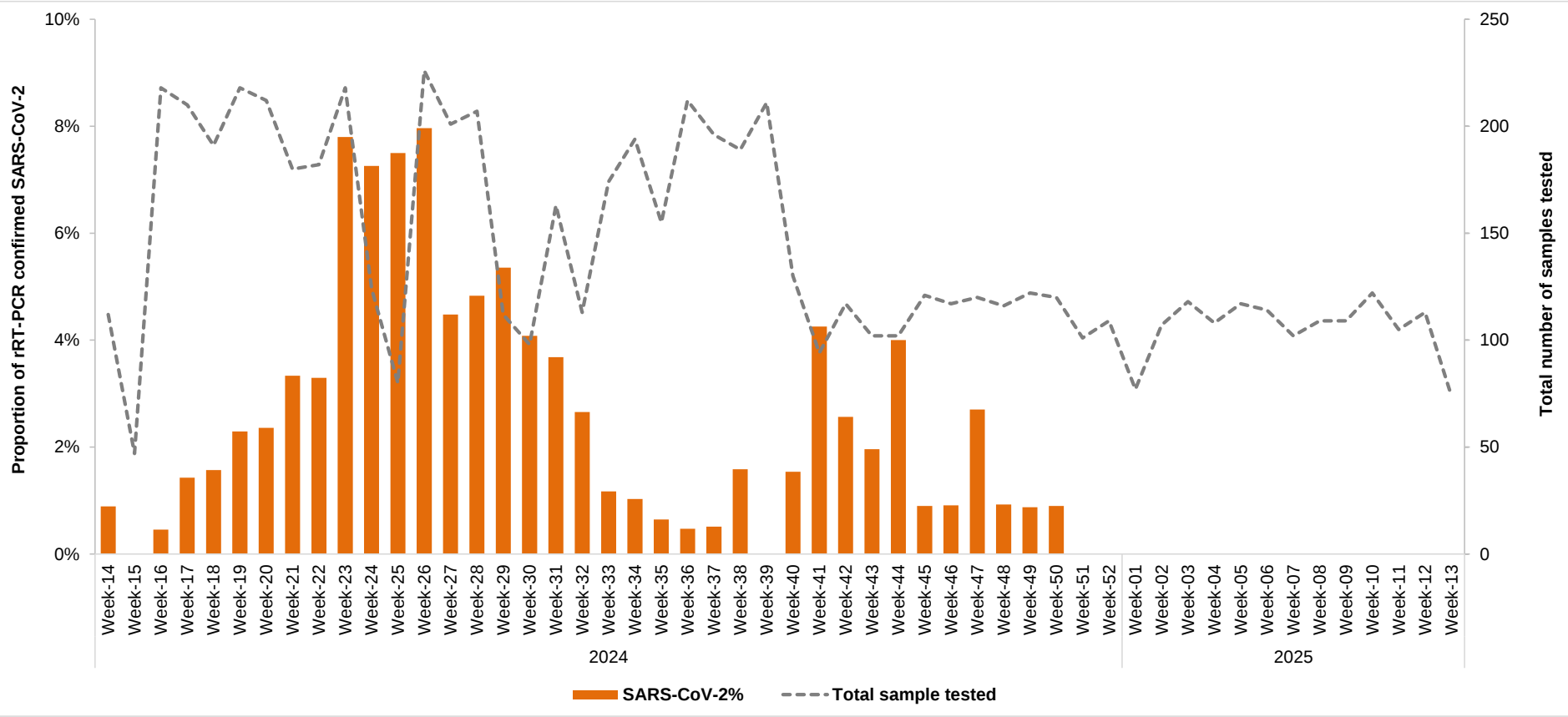
Hospital based influenza surveillance
Hospital-wise SARS-CoV-2 lab results
March 2025

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
		437	0	0	26,755	1,723	6

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
	437	0	0	26,755	1,723	6

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

