



Monthly summary report

Hospital-Based Human Influenza Surveillance in Bangladesh

April 2025

Hospital based influenza surveillance
Monthly hospital-wise influenza lab results
April 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	88	5	6	1	4	0	0	1	0	0	0	0	4
RMCH	Rajshahi	55	4	7	0	4	0	0	0	0	0	0	0	4
CuMCH	Cumilla	51	5	10	1	4	0	0	1	0	0	0	0	4
KMCH	Khulna	22	2	9	2	0	0	0	2	0	0	0	0	0
JGH	Jashore	71	6	8	3	3	0	0	0	1	0	2	0	3
JRRMCH	Sylhet	87	7	8	4	3	0	0	4	0	0	0	0	3
SBMCH	Barishal	61	0	0	0	0	0	0	0	0	0	0	0	0
CMCH	Chattogram	111	13	12	5	8	0	0	1	0	0	3	0	8
DjMCH	Dinajpur	84	1	1	1	0	0	0	0	0	0	1	0	0
		630	43	7	17	26	0	0	9	1	0	6	0	26

Hospital based influenza surveillance
Monthly enrollment by different wards (Medicine, Pediatrics and CCU)
April 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	45	1	2	43	4	9	0	0	0
RMCH	Rajshahi	28	0	0	27	4	15	0	0	0
CuMCH	Cumilla	22	3	14	27	2	7	2	0	0
KMCH	Khulna	12	1	8	10	1	10	0	0	0
JGH	Jashore	42	2	5	29	4	14	0	0	0
JRRMCH	Sylhet	46	3	7	40	4	10	1	0	0
SBMCH	Barishal	27	0	0	34	0	0	0	0	0
CMCH	Chattogram	61	5	8	50	8	16	0	0	0
DjMCH	Dinajpur	36	0	0	48	1	2	0	0	0
		319	15	5	308	28	9	3	0	0

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

Hospital	District	SARI (aged ≥ 5 years)			SARI (aged < 5 years)			ILI [‡]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
JIMCH	Kishoregonj	22	0	0	25	4	16	41	1	2
RMCH	Rajshahi	28	0	0	27	4	15	-	-	-
CuMCH	Cumilla	29	3	10	22	2	9	-	-	-
KMCH	Khulna	14	1	7	8	1	13	-	-	-
JGH	Jashore	16	3	19	15	0	0	40	3	8
JRRMCH	Sylhet	25	5	20	28	1	4	34	1	3
SBMCH	Barishal	29	0	0	32	0	0	-	-	-
CMCH	Chattogram	37	0	0	32	7	22	42	6	14
DjMCH	Dinajpur	17	1	6	28	0	0	39	0	0
		217	13	6	217	19	9	196	11	6

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

Age groups	April 2025									Initiation—April 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	-	-	-	9	1	11	122	10	8	-	-	-	2,991	197	7	12,212	744	6
1-4 Years	-	-	-	21	2	10	95	9	9	-	-	-	5,186	735	14	5,691	842	15
5-14 Years	49	6	12	23	1	4	-	-	-	5,901	1238	21	3,479	749	22	-	-	-
15-24 Years	33	3	9	66	5	8	-	-	-	5,827	1313	23	3,624	655	18	-	-	-
25-39 Years	33	2	6	40	1	3	-	-	-	6,111	1163	19	2,954	446	15	-	-	-
40-59 Years	47	1	2	29	1	3	-	-	-	7,752	1219	16	2,030	268	13	-	-	-
≥ 60 Years	55	1	2	8	0	0	-	-	-	7,886	1196	15	682	70	10	-	-	-
	217	13	6	196	11	6	217	19	9	33,477	6,129	18	20,946	3,120	15	17,903	1,586	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—April 2025

Hospital	District	Initiation	Sample	Flu	Flu %	Flu A ^ψ	Flu B ^λ	Flu A+B ^τ	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	9,364	1,612	17	1093	518	1	9	599	0	0	483	64	284
RMCH	Rajshahi	May 2007	5,801	645	11	445	200	0	14	272	0	0	157	39	100
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	7,339	891	12	612	276	3	9	328	0	0	274	28	98
KMCH	Khulna	Jul 2007	4,916	686	14	494	191	1	16	269	0	0	204	17	113
JGH ^{γ†}	Jashore	Sep 2007	7,164	1444	20	985	456	3	10	542	1	0	432	26	292
JRRMCH	Sylhet	Jul 2007	7,047	1092	15	736	354	2	16	388	0	0	331	34	177
SBMCH	Barishal	Aug 2007	8,459	1171	14	796	371	4	7	411	0	0	374	56	166
CMCH	Chattogram	Apr 2014	6,951	1074	15	786	284	4	0	396	0	0	388	41	223
DjMCH	Dinajpur	Apr 2014	4,695	684	15	462	222	0	0	268	0	0	191	28	173
			72,326	10,835	15	7,445	3,371	19	135	4,003	2	0	3,284	395	1,682

^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.

^τ 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.

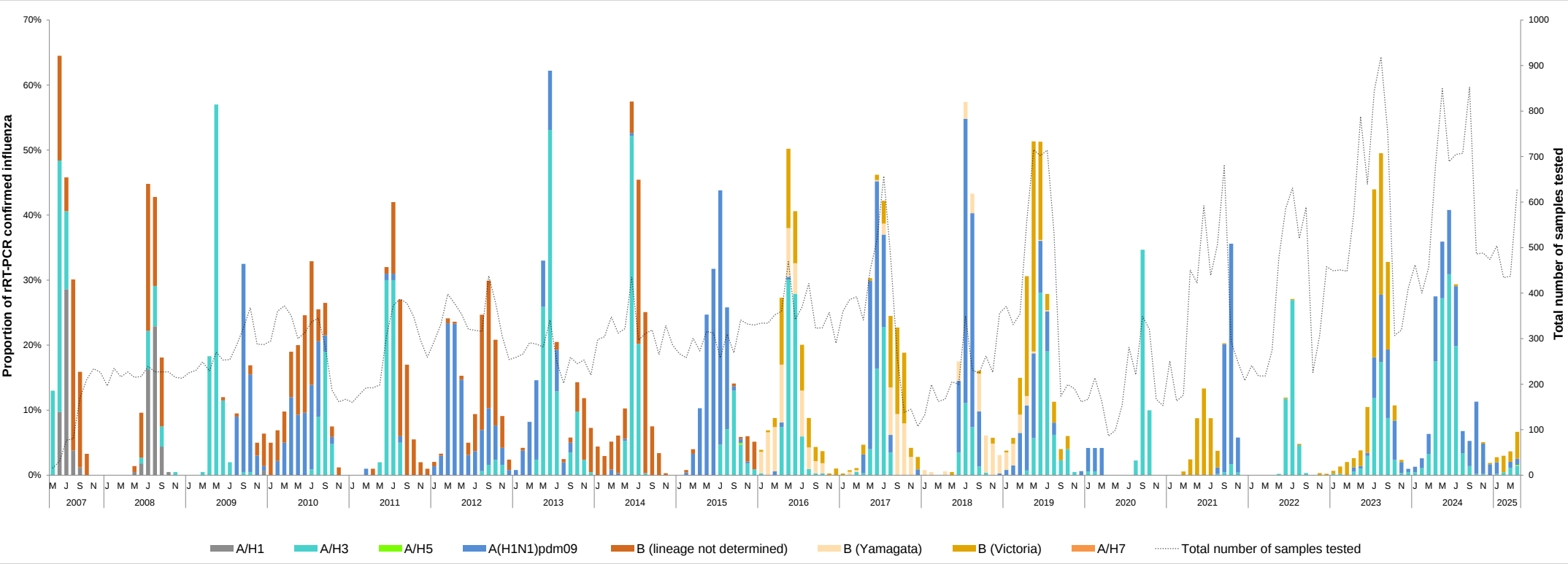
Outpatient ILI surveillance reinitiated at JRRMCH (Sylhet), CMCH (Chattogram) and DjMCH (Dinajpur) in November 2022.

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

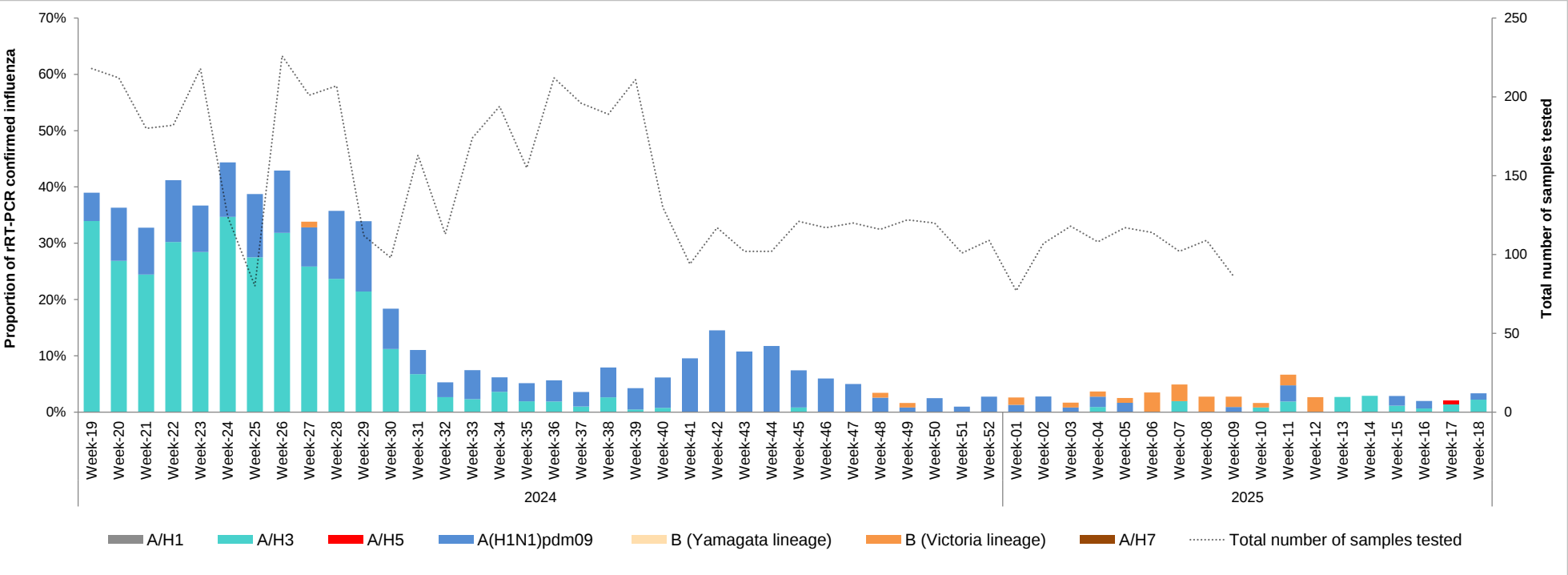
Outpatient ILI surveillance discontinued in October 2023.

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—April 2025



Hospital based influenza surveillance
Influenza seasonality graph
Week 19 of 2024 to week 18 of 2025



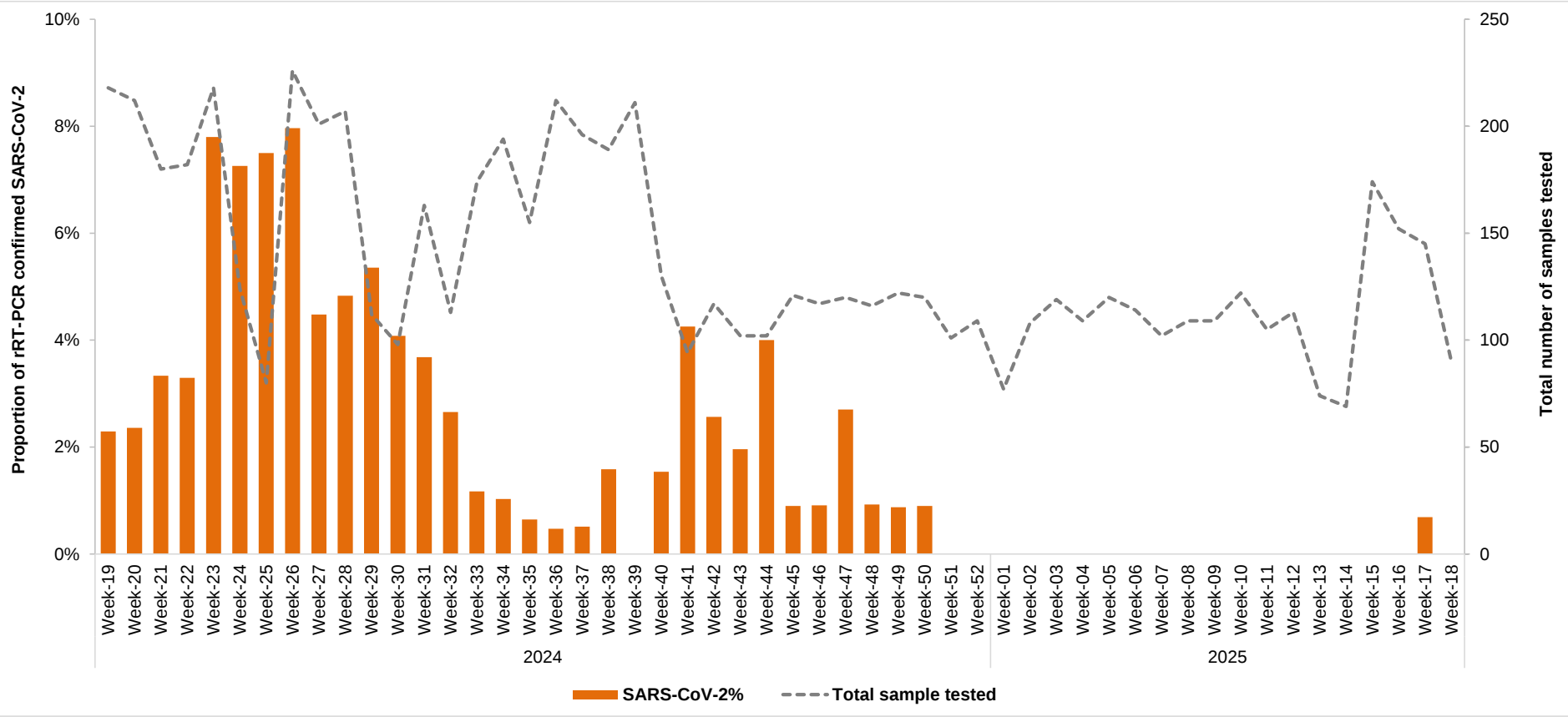
Hospital based influenza surveillance
Hospital-wise SARS-CoV-2 lab results
April 2025

Hospital	District	April 2025			March 2020—April 2025		
		Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
JIMCH	Kishoregonj	88	0	0	3,971	172	4
RMCH	Rajshahi	55	0	0	2,334	149	6
CuMCH	Cumilla	51	0	0	2,361	138	6
KMCH	Khulna	22	0	0	1,937	219	11
JGH	Jashore	71	0	0	3,280	228	7
JRRMCH	Sylhet	87	0	0	3,214	193	6
SBMCH	Barishal	61	0	0	2,852	186	7
CMCH	Chattogram	111	1	1	4,410	286	6
DjMCH	Dinajpur	84	0	0	3,032	153	5
		630	1	0.2	27,391	1,724	6

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

Age groups	April 2025			March 2020—April 2025		
	Sample	SARS-CoV-2	SARS-CoV-2 %	Sample	SARS-CoV-2	SARS-CoV-2 %
<1 Year	131	0	0	5901	185	3
1-4 Years	116	0	0	4220	50	1
5-14 Years	72	0	0	3,660	70	2
15-24 Years	99	1	1	3,203	151	5
25-39 Years	73	0	0	3,167	309	10
40-59 Years	76	0	0	3,875	513	13
≥ 60 Years	63	0	0	3,365	446	13
	630	1	0.2	27,391	1,724	6

Hospital based influenza surveillance
SARS-CoV-2 positivity trend by week
Week 19 of 2024 to week 18 of 2025



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

