





Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

September 2022

Hospital based influenza surveillance Monthly enrollment by different wards (Medicine, Pediatrics and CCU) September 2022

Hospital	District	Γ	Aedicine war	d	Pediatric	s ward (≤12 ye	ears of age)	Coronary Care Unit (CCU)			
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	
JIMCH	Kishoregonj	26	0	0	45	0	0	2	0	0	
RMCH	Rajshahi	29	0	0	36	0	0	0	0	0	
CuMCH	Cumilla	25	0	0	44	0	0	1	0	0	
КМСН	Khulna	19	0	0	42	1	2	0	0	0	
JGH	Jashore	19	0	0	38	0	0	1	0	0	
JRRMCH	Sylhet	10	0	0	39	0	0	1	0	0	
SBMCH	Barishal	11	0	0	65	0	0	1	0	0	
СМСН	Chattogram	35	0	0	50	1	2	1	0	0	
MARMCH	Dinajpur	11	0	0	37	0	0	1	0	0	
		185	0	0	396	2	0.5	8	0	0	

Hospital based influenza surveillance Monthly hospitalwise influenza lab results September 2022

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	73	0	0	0	0	0	0	0	0	0	0	0	0
RMCH	Rajshahi	65	0	0	0	0	0	0	0	0	0	0	0	0
CuMCH	Cumilla	70	0	0	0	0	0	0	0	0	0	0	0	0
KMCH	Khulna	61	1	2	1	0	0	0	1	0	0	0	0	0
JGH	Jashore	58	0	0	0	0	0	0	0	0	0	0	0	0
JRRMCH	Sylhet	50	0	0	0	0	0	0	0	0	0	0	0	0
SBMCH	Barishal	77	0	0	0	0	0	0	0	0	0	0	0	0
CMCH	Chattogram	86	1	1	1	0	0	0	1	0	0	0	0	0
MARMCH	Dinajpur	49	0	0	0	0	0	0	0	0	0	0	0	0
		589	2	0.3	2	0	0	0	2	0	0	0	0	0

Hospital based influenza surveillance Monthly enrollment by different surveillance groups September 2022

	District	SA	ARI (aged ≥ 5 year	s)	SA	SARI (aged < 5 years)						
Hospital		Sample	Flu	Flu %	Sample	Flu	Flu %					
JIMCH	Kishoregonj	32	0	0	41	0	0					
RMCH	Rajshahi	32	0	0	33	0	0					
CuMCH	Cumilla	29	0	0	41	0	0					
КМСН	Khulna	25	0	0	36	1	3					
JGH	Jashore	26	0	0	32	0	0					
JRRMCH	Sylhet	19	0	0	31	0	0					
SBMCH	Barishal	31	0	0	46	0	0					
СМСН	Chattogram	44	0	0	42	1	2					
MARMCH	Dinajpur	16	0	0	33	0	0					
		254	0	0	335	2	0.6					

Hospital based influenza surveillance Influenza results by different age groups September 2022

	September 2022							Initiation - September 2022								
Age groups	SARI (aged ≥ 5 years)			SARI (a	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 %	
<1 Year	-	-	-	203	2	1	-	-	-	2665	189	7	9,299	505	5	
1-4 Years	-	-	-	132	0	0	-	-	-	4217	601	14	3,865	508	13	
5-14 Years	66	0	0	-	-	-	4308	907	21	2317	547	24	-	-	-	
15-24 Years	31	0	0	-	-	-	4673	1071	23	2167	413	19	-	-	-	
25-39 Years	48	0	0	-	-	-	5059	957	19	1916	299	16	-	-	-	
40-59 Years	66	0	0	-	-	-	6411	1015	16	1245	201	16	-	-	-	
≥ 60 Years	43	0	0	-	-	-	6573	1019	16	400	46	12	-	-	-	
	254	0	0	335	2	0.6	27,024	4,969	18	14,927	2,296	15	13,164	1013	8	

[‡]Outpatient ILI surveillance discontinued in October 2017.

Hospital based influenza surveillance Hospitalwise influenza lab results Surveillance initiation - September 2022

Hospital	District	Initiation	Sample	Flu	Flu %	Flu A [♥]	Flu Β ^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 ^Y	Dhaka	Jun 2007	2061	312	15	201	111	0	15	84	0	0	102	13	7
CBMCH ^Y	Mymensingh	Oct 2007	2053	302	15	206	96	0	7	107	1	0	91	16	10
JIMCH	Kishoregonj	Sep 2007	6665	1225	18	831 ^î	394	0	9	444	0	0	376	64	160
RMCH	Rajshahi	May 2007	4646	540	12	362 ^î	178	0	14	207	0	0	139	39	78
SZRMCH ^Y	Bogura	Sep 2007	3865	653	17	439	213	1	12	256	0	0	170	29	39
LAMB [†]	Dinajpur	Oct 2007	1171	112	10	72	40	0	7	41	0	0	24	1	0
BBMH [†]	Chattogram	Aug 2007	1440	157	11	118	39	0	13	42	0	0	63	3	0
CuMCH [⊤]	Cumilla	Oct 2007	6055	722	12	489*	230	3	9	257	0	0	222	28	52
КМСН	Khulna	Jul 2007	3982	518	13	371* ^î	147	0	16	188	0	0	163	17	69
JGH ^{YI}	Jashore	Sep 2007	4836	937	19	605	331	1	10	322	0	0	273	26	167
JRRMCH	Sylhet	Jul 2007	4849	769	16	498 ^î	270	1	16	254	0	0	227	34	93
SBMCH	Barishal	Aug 2007	6934	974	14	636 ^î	334	4	9	312	0	0	313	56	129
СМСН	Chattogram	Apr 2014	4007	649	16	465	181	3	0	197	0	0	268	41	120
MARMCH ²	Dinajpur	Apr 2014	2551	408	16	270 ^ï	138	0	0	145	0	0	122	28	89
			55,115	8,278	15	5,563	2,702	13	137	2,856	1	0	2,553	395	1,013

¹Influenza B typing initiated in January 2016.

 ${}^{\Psi}$ rRT-PCR result of four samples were equivocal positive for Influenza A.

^vOne sample collected in June 2013 and another sample collected in June 2017 were co-infected with both A(H3) and A(H1N1)pdm09.

¹Three 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).

ⁱOne sample collected in May 2019 was co-infected with both Influenza A(H3) and Influenza B (Victoria lineage).

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

^ŸSurveillance 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).

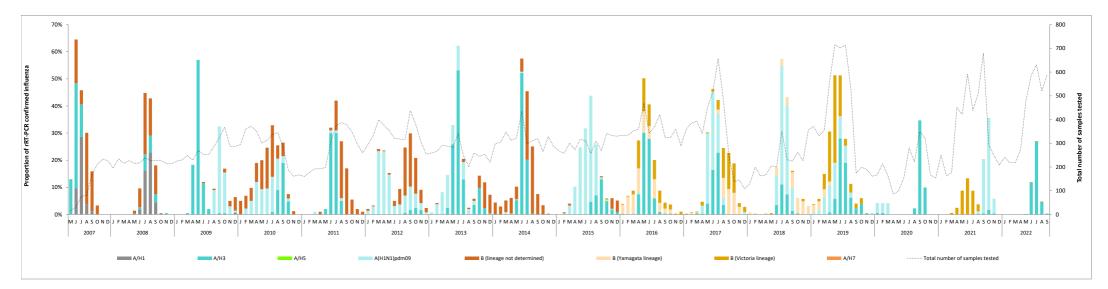
Note: Surveillance activities extended to the intensive care units (ICU) and coronary care unit (CCU) of the participating hospitals in January 2018.

^(P) 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.

^îNine 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.

Hospital based influenza surveillance Influenza seasonality graph May 2007 - September 2022



Note: Influenza B typing initiated in January 2016

Hospital based influenza surveillance Influenza seasonality graph Week 39 of 2021 to week 38 of 2022

