



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

November 2022

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

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	15	0	0	15	0	0	2	0	0
RMCH	Rajshahi	12	0	0	13	0	0	1	0	0
CuMCH	Cumilla	20	1	5	11	0	0	1	0	0
KMCH	Khulna	7	0	0	11	0	0	0	0	0
JGH	Jashore	10	0	0	13	0	0	1	0	0
JRRMCH	Sylhet	13	0	0	30	0	0	1	0	0
SBMCH	Barishal	11	0	0	29	0	0	1	0	0
CMCH	Chattogram	19	0	0	20	0	0	0	0	0
MARMCH	Dinajpur	22	0	0	28	0	0	1	0	0
		129	1	0.8	170	0	0	8	0	0

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

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	10	0	0	-	-	-
RMCH	Rajshahi	15	0	0	11	0	0	-	-	-
CuMCH	Cumilla	22	1	5	10	0	0	-	-	-
KMCH	Khulna	9	0	0	9	0	0	-	-	-
JGH	Jashore	13	0	0	11	0	0	-	-	-
JRRMCH	Sylhet	12	0	0	9	0	0	23	0	0
SBMCH	Barishal	26	0	0	15	0	0	-	-	-
CMCH	Chattogram	25	0	0	10	0	0	4	0	0
MARMCH	Dinajpur	10	0	0	10	0	0	31	0	0
		154	1	0.6	95	0	0	58	0	0

[‡]Outpatient ILI surveillance reinitiated at JGH (Jashore), CMCH (Chattogram) and MARMCH (Dinajpur) in November 2022.

**Hospital based influenza surveillance
Influenza results by different age groups
November 2022**

Age groups	November 2022									Initiation - November 2022								
	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	-	-	-	5	0	0	61	0	0	-	-	-	2,670	189	7	9,417	505	5
1-4 Years	-	-	-	17	0	0	34	0	0	-	-	-	4,234	601	14	3,935	508	13
5-14 Years	46	0	0	10	0	0	-	-	-	4,392	907	21	2,327	547	24	-	-	-
15-24 Years	31	0	0	10	0	0	-	-	-	4,731	1,071	23	2,177	413	19	-	-	-
25-39 Years	21	0	0	6	0	0	-	-	-	5,101	957	19	1,922	299	16	-	-	-
40-59 Years	25	1	4	8	0	0	-	-	-	6,463	1,016	16	1,253	201	16	-	-	-
≥ 60 Years	31	0	0	2	0	0	-	-	-	6,624	1,019	15	402	46	11	-	-	-
	154	1	0.6	58	0	0	95	0	0	27,311	4,970	18	14,985	2,296	15	13,352	1013	8

[‡]Outpatient ILI surveillance reinitiated at JGH (Jashore), CMCH (Chattogram) and MARMCH (Dinajpur) in November 2022.

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

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 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	6,722	1,225	18	831 ^ι	394	0	9	444	0	0	376	64	160
RMCH	Rajshahi	May 2007	4,703	540	11	362 ^ι	178	0	14	207	0	0	139	39	78
SZRMCH ^γ	Bogura	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	6,118	723	12	489 [*]	231	3	9	257	0	0	222	28	53
KMCH	Khulna	Jul 2007	4,021	518	13	371 ^{*ι}	147	0	16	188	0	0	163	17	69
JGH ^{γ1}	Jashore	Sep 2007	4,882	937	19	605	331	1	10	322	0	0	273	26	167
JRRMCH	Sylhet	Jul 2007	4,910	769	16	498 ^ι	270	1	16	254	0	0	227	34	93
SBMCH	Barishal	Aug 2007	7,006	974	14	636 ^ι	334	4	9	312	0	0	313	56	129
CMCH	Chattogram	Apr 2014	4,076	649	16	465	181	3	0	197	0	0	268	41	120
MARMCH ²	Dinajpur	Apr 2014	2,620	408	16	270 ^ι	138	0	0	145	0	0	122	28	89
			55,648	8,279	15	5,563	2,703	13	137	2,856	1	0	2,553	395	1,014

^λInfluenza B typing initiated in January 2016.

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

^γOne sample collected in June 2013 and another sample collected in June 2017 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.

^τThree samples were co-infected with both Influenza A(H1N1)pdm09 and Influenza B (Victoria lineage).

^ιOne 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.

^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.

^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.

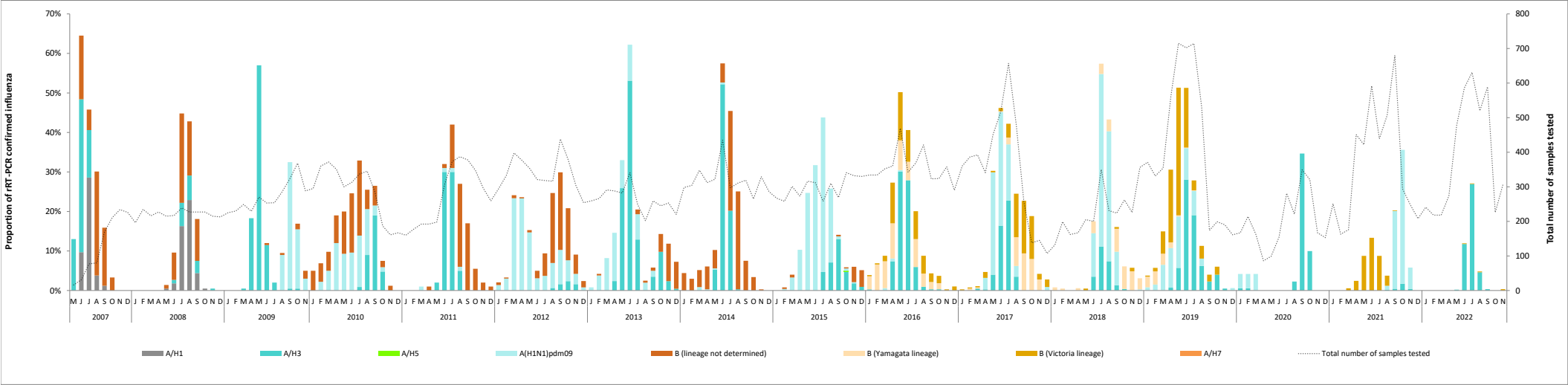
^ιNine samples (one each from JIMCH, JRRMCH and MARMCH and two each from RMCH, KMCH and SBMCH) collected in December 2019 were not true positive for influenza A and were considered as inconclusive result. The result will be confirmed with further test through viral culture.

ILI activities reinitiated at JGH (Jashore), CMCH (Chattogram) and MARMCH (Dinajpur) in November 2022.

Hospital based influenza surveillance

Influenza seasonality graph

May 2007 - November 2022



Note: Influenza B typing initiated in January 2016

