



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

October 2022

Hospital based influenza surveillance
Monthly enrollment by different wards (Medicine, Pediatrics and CCU)
October 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	11	0	0	10	0	0	3	0	0
RMCH	Rajshahi	15	0	0	16	0	0	0	0	0
CuMCH	Cumilla	17	0	0	12	0	0	2	0	0
KMCH	Khulna	8	0	0	11	0	0	0	0	0
JGH	Jashore	7	0	0	14	0	0	1	0	0
JRRMCH	Sylhet	3	0	0	13	0	0	0	0	0
SBMCH	Barishal	8	0	0	23	0	0	0	0	0
CMCH	Chattogram	19	0	0	11	0	0	0	0	0
MARMCH	Dinajpur	7	0	0	11	0	0	0	0	0
		95	0	0	121	0	0	6	0	0

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

Hospital	District	SARI (aged ≥ 5 years)			SARI (aged < 5 years)		
		Sample	Flu	Flu %	Sample	Flu	Flu %
JIMCH	Kishoregonj	15	0	0	9	0	0
RMCH	Rajshahi	20	0	0	11	0	0
CuMCH	Cumilla	21	0	0	10	0	0
KMCH	Khulna	8	0	0	11	0	0
JGH	Jashore	11	0	0	11	0	0
JRRMCH	Sylhet	5	0	0	11	0	0
SBMCH	Barishal	19	0	0	12	0	0
CMCH	Chattogram	22	0	0	8	0	0
MARMCH	Dinajpur	10	0	0	8	0	0
		131	0	0	91	0	0

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

Age groups	October 2022						Initiation - October 2022								
	SARI (aged ≥ 5 years)			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 %
<1 Year	-	-	-	56	0	0	-	-	-	2665	189	7	9,355	505	5
1-4 Years	-	-	-	35	0	0	-	-	-	4217	601	14	3,900	508	13
5-14 Years	38	0	0	-	-	-	4346	907	21	2317	547	24	-	-	-
15-24 Years	27	0	0	-	-	-	4700	1071	23	2167	413	19	-	-	-
25-39 Years	21	0	0	-	-	-	5080	957	19	1916	299	16	-	-	-
40-59 Years	26	0	0	-	-	-	6437	1015	16	1245	201	16	-	-	-
≥ 60 Years	19	0	0	-	-	-	6592	1019	15	400	46	12	-	-	-
	131	0	0	91	0	0	27,155	4,969	18	14,927	2,296	15	13,255	1013	8

[‡]Outpatient ILI surveillance discontinued in October 2017.

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

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	2061	312	15	201	111	0	15	84	0	0	102	13	7
CBMCH ^γ	Mymensingh	Oct 2007	2053	302	15	206	96	0	7	107	1	0	91	16	10
JIMCH	Kishoregonj	Sep 2007	6689	1225	18	831 [†]	394	0	9	444	0	0	376	64	160
RMCH	Rajshahi	May 2007	4677	540	12	362 [†]	178	0	14	207	0	0	139	39	78
SZRMCH ^γ	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	6086	722	12	489 [*]	230	3	9	257	0	0	222	28	52
KMCH	Khulna	Jul 2007	4001	518	13	371 ^{*†}	147	0	16	188	0	0	163	17	69
JGH ^{γ†}	Jashore	Sep 2007	4858	937	19	605	331	1	10	322	0	0	273	26	167
JRRMCH	Sylhet	Jul 2007	4865	769	16	498 [†]	270	1	16	254	0	0	227	34	93
SBMCH	Barishal	Aug 2007	6965	974	14	636 [†]	334	4	9	312	0	0	313	56	129
CMCH	Chattogram	Apr 2014	4037	649	16	465	181	3	0	197	0	0	268	41	120
MARMCH [‡]	Dinajpur	Apr 2014	2569	408	16	270 [†]	138	0	0	145	0	0	122	28	89
			55,337	8,278	15	5,563	2,702	13	137	2,856	1	0	2,553	395	1,013

^λInfluenza B typing initiated in January 2016.

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

^ψOne 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.

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

[†]One 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.

[‡]Dinajpur 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.

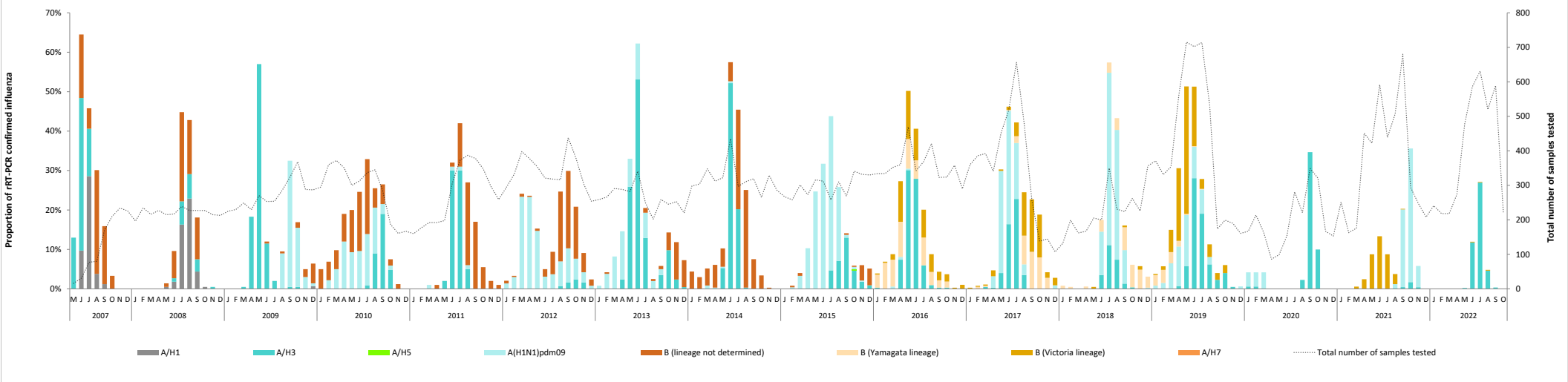
^{*}One sample from CuMCH (Cumilla) and two samples from KMCH (Khulna) collected in November 2019 were not true positive for influenza A and were considered as inconclusive result. The result will be confirmed with further test through viral culture.

[†]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.

Hospital based influenza surveillance

Influenza seasonality graph

May 2007 - October 2022



Note: Influenza B typing initiated in January 2016

