



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

January 2018

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
January 2018

Hospital	District	Sample	Flu	Flu %	Flu A	Flu B	Flu A+B	Flu A/H1	Flu A/H3	Flu A/H5	Flu A/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
JIMCH	Kishoregonj	16	0	0%	0	0	0	0	0	0	0	0	0
RMCH	Rajshahi	24	0	0%	0	0	0	0	0	0	0	0	0
CoMCH ^y	Comilla	16	0	0%	0	0	0	0	0	0	0	0	0
KMCH	Khulna	15	0	0%	0	0	0	0	0	0	0	0	0
JRRMCH	Sylhet	14	0	0%	0	0	0	0	0	0	0	0	0
SBMCH	Barisal	17	0	0%	0	0	0	0	0	0	0	0	0
CMCH	Chittagong	16	0	0%	0	0	0	0	0	0	0	0	0
MARMCH	Dinajpur	14	1	7%	0	1	0	0	0	0	0	1	0
		132	1	0.8%	0	1	0	0	0	0	0	1	0

^ySurveillance activities reinitiated at CoMCH (Comilla) in January 2018.

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

Hospital based influenza surveillance
Monthly enrollment by different surveillance groups
January 2018

Hospital	District	SARI (aged ≥ 5 years) [‡]			SARI (aged < 5 years) [*]		
		Sample	Flu	Flu %	Sample	Flu	Flu %
JIMCH	Kishoregonj	11	0	0%	5	0	0%
RMCH	Rajshahi	19	0	0%	5	0	0%
CoMCH [‡]	Comilla	11	0	0%	5	0	0%
KMCH	Khulna	10	0	0%	5	0	0%
JRRMCH	Sylhet	9	0	0%	5	0	0%
SBMCH	Barisal	12	0	0%	5	0	0%
CMCH	Chittagong	11	0	0%	5	0	0%
MARMCH [‡]	Dinajpur	9	1	11%	5	0	0%
		92	1	1.1%	40	0	0%

[‡]Surveillance activities reinitiated at CoMCH (Comilla) in January 2018.

[‡]All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatrics inpatients.

[‡]First five SARI (aged <5 years) collected from pediatrics inpatients. More than five SARI (aged <5 years) cases belong to the cluster.

[‡]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

Hospital based influenza surveillance
Influenza results by different age groups
January 2018

Age groups	January 2018						Initiation - January 2018								
	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	-	-	-	31		0%	-	-	-	2665	189	7%	5089	226	4%
1-4 Years	-	-	-	9		0%	-	-	-	4217	601	14%	1673	180	11%
5-14 Years	15	0	0%	-	-	-	2525	504	20%	2317	547	24%	-	-	-
15-24 Years	14	0	0%	-	-	-	3089	663	21%	2167	413	19%	-	-	-
25-39 Years	20	0	0%	-	-	-	2980	583	20%	1916	299	16%	-	-	-
40-59 Years	20	0	0%	-	-	-	3316	617	19%	1245	201	16%	-	-	-
≥ 60 Years	23	1	4.3%	-	-	-	3372	616	18%	400	46	12%	-	-	-
	92	1	1.1%	40	0	0%	15,282	2,983	20%	14,927	2,296	15%	6,762	406	6%

[‡] All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatrics inpatients.

[‡] First five SARI (aged <5 years) collected from pediatrics inpatients. More than five SARI (aged <5 years) cases belong to the cluster.

[‡] Outpatient ILI surveillance discontinued in October 2017.

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

Hospital based influenza surveillance
Hospitalwise influenza lab results
Surveillance initiation - January 2018

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/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
DNMCH ^γ	Dhaka	Jun 2007	2061	312	15%	201	111	0	15	84	0	102	13	7
CBMCH ^γ	Mymensingh	Oct 2007	2053	302	15%	206	96	0	7	107	1	91	16	10
JIMCH	Kishoregonj	Sep 2007	4203	826	20%	558	268	0	9	309	0	239	44	54
RMCH	Rajshahi	May 2007	2577	286	11%	191	95	0	14	105	0	72	15	19
SZRMCH ^γ	Bogra	Sep 2007	3865	653	17%	439	213	1	12	256	0	170	29	39
LAMB [†]	Dinajpur	Oct 2007	1171	112	10%	72	40	0	7	41	0	24	1	0
BBMH [†]	Chittagong	Aug 2007	1440	157	11%	118	39	0	13	42	0	63	3	0
CoMCH ^γ	Comilla	Oct 2007	4251	544	13%	355	187	2	9	182	0	164	24	13
KMCH	Khulna	Jul 2007	2227	309	14%	218	91	0	16	114	0	88	13	17
JGH ^γ	Jessore	Sep 2007	3310	608	18%	403	204	1	10	202	0	191	17	49
JRRMCH	Sylhet	Jul 2007	3082	514	17%	326	187	1	16	150	0	160	15	29
SBMCH	Barisal	Aug 2007	4575	648	14%	409	236	3	9	200	0	200	44	43
CMCH	Chittagong	Apr 2014	1247	223	18%	145	76	2	0	61	0	84	22	34
MARMCH [Ⓜ]	Dinajpur	Apr 2014	909	191	21%	131	60	0	0	76	0	53	23	16
			36,971	5,685	15%	3,772	1,903	10	137	1,929	1	1,701	279	330

^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.

[⚭]One sample collected in June 2017 was co-infected with both Influenza A(H1N1)pdm09 and Influenza B (Victoria lineage).

^γSurveillance activities reinitiated at CoMCH (Comilla) in January 2018.

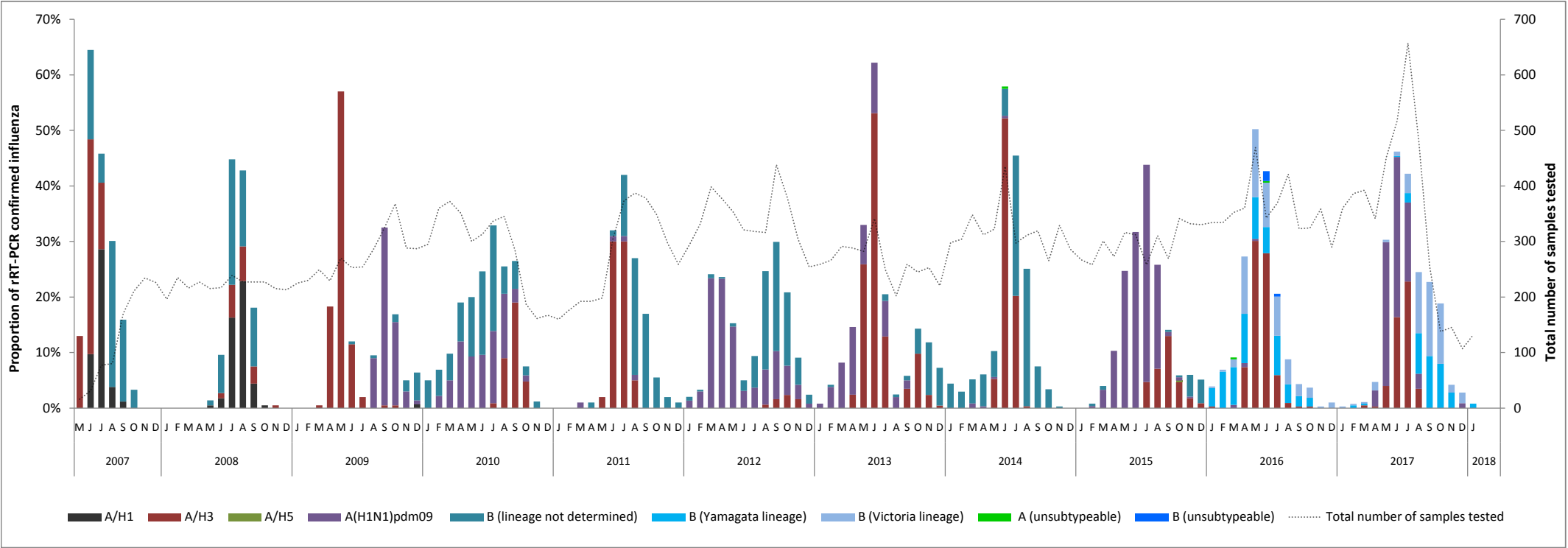
[†]Surveillance activities ended at LAMB (Dinajpur) and BBMH (Chittagong) in May 2016.

^γSurveillance activities ended at DNMCH (Dhaka), CBMCH (Mymensingh), SZRMCH (Bogra) and JGH (Jessore) in October 2017.

[Ⓜ]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

Hospital based influenza surveillance
Influenza seasonality graph
May 2007 - January 2018



Note: Influenza B typing initiated in January 2016