



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

March 2017

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
March 2017

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
DNMCH	Dhaka	21	0	0%	0	0	0	0	0	0	0	0	0
CBMCH	Mymensingh	22	0	0%	0	0	0	0	0	0	0	0	0
JIMCH	Kishoregonj	52	1	2%	1	0	0	0	1	0	0	0	0
RMCH	Rajshahi	25	0	0%	0	0	0	0	0	0	0	0	0
SZRMCH	Bogra	41	0	0%	0	0	0	0	0	0	0	0	0
CoMCH	Comilla	30	1	3%	0	1	0	0	0	0	0	0	1
KMCH	Khulna	18	0	0%	0	0	0	0	0	0	0	0	0
JGH	Jessore	32	0	0%	0	0	0	0	0	0	0	0	0
JRRMCH	Sylhet	26	0	0%	0	0	0	0	0	0	0	0	0
SBMCH	Barisal	57	1	2%	1	0	0	0	1	0	0	0	0
CMCH	Chittagong	44	1	2%	0	1	0	0	0	0	0	1	0
DjMCH	Dinaipur	24	0	0%	0	0	0	0	0	0	0	0	0
		392	4	1%	2	2	0	0	2	0	0	1	1

Hospital based influenza surveillance
Monthly enrollment by different surveillance groups
March 2017

Hospital	District	SARI (aged ≥ 5 years) [‡]			ILI [‡]			SARI (aged < 5 years) [‡]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	16	0	0%	-	-	-	5	0	0%
CBMCH	Mymensingh	17	0	0%	-	-	-	5	0	0%
JIMCH	Kishoregonj	31	1	3%	16	0	0%	5	0	0%
RMCH	Rajshahi	20	0	0%	-	-	-	5	0	0%
SZRMCH	Bogra	21	0	0%	15	0	0%	5	0	0%
CoMCH	Comilla	9	1	11%	16	0	0%	5	0	0%
KMCH	Khulna	13	0	0%	-	-	-	5	0	0%
JGH	Jessore	12	0	0%	15	0	0%	5	0	0%
JRRMCH	Sylhet	10	0	0%	11	0	0%	5	0	0%
SBMCH	Barisal	33	1	3%	19	0	0%	5	0	0%
CMCH	Chittagong	39	1	3%	-	-	-	5	0	0%
DJMCH	Dinajpur	19	0	0%	-	-	-	5	0	0%
		240	4	1.7%	92	0	0%	60	0	0%

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

[‡] All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

[‡] First five SARI (aged <5 years) collected from pediatrics inpatients.

Hospital based influenza surveillance
Influenza results by different age groups
March 2017

Age groups	March 2017									Initiation - March 2017								
	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	-	-	-	10	0	0%	37	0	0%	-	-	-	2571	171	7%	4755	188	4%
1-4 Years	-	-	-	29	0	0%	23	0	0%	-	-	-	4047	547	14%	1492	128	9%
5-14 Years	60	2	3%	24	0	0%	-	-	-	2183	391	18%	2211	499	23%	-	-	-
15-24 Years	57	2	4%	14	0	0%	-	-	-	2556	513	20%	2104	386	18%	-	-	-
25-39 Years	43	0	0%	7	0	0%	-	-	-	2565	475	19%	1846	284	15%	-	-	-
40-59 Years	45	0	0%	7	0	0%	-	-	-	2887	488	17%	1187	183	15%	-	-	-
≥ 60 Years	35	0	0%	1	0	0%	-	-	-	2960	508	17%	384	41	11%	-	-	-
	240	4	1.7%	92	0	0%	60	0	0%	13,151	2,375	18%	14,350	2,111	15%	6,247	316	5%

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

[‡] All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

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

Hospital based influenza surveillance
Hospitalwise influenza lab results
Surveillance initiation - March 2017

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	Dhaka	Jun 2007	1913	268	14%	167	101	0	15	72	0	80	8	2
CBMCH	Mymensingh	Oct 2007	1918	267	14%	182	85	0	7	95	1	79	12	3
JIMCH	Kishoregonj	Sep 2007	3696	640	17%	430	210	0	9	242	0	178	21	19
RMCH	Rajshahi	May 2007	2328	241	10%	157	84	0	14	93	0	50	11	12
SZRMCH	Bogra	Sep 2007	3555	546	15%	359	186	1	12	208	0	138	23	18
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	Comilla	Oct 2007	4028	508	13%	327	179	2	9	170	0	148	22	7
KMCH	Khulna	Jul 2007	2031	254	13%	178	76	0	16	101	0	61	7	8
JGH	Jessore	Sep 2007	3091	525	17%	331	193	1	10	179	0	142	12	43
JRRMCH	Sylhet	Jul 2007	2856	464	16%	283	180	1	16	130	0	137	12	25
SBMCH	Barisal	Aug 2007	4168	553	13%	351	199	3	9	179	0	165	20	30
CMCH	Chittagong	Apr 2014	878	138	16%	83	54	1	0	50	0	33	20	14
DjMCH	Dinajpur	Apr 2014	675	129	19%	79	50	0	0	56	0	21	20	9
			33,748	4,802	14%	3,117	1,676	9	137	1,658	1	1,319	192	190

^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 was co-infected with both A(H3) and A(H1N1)pdm09.

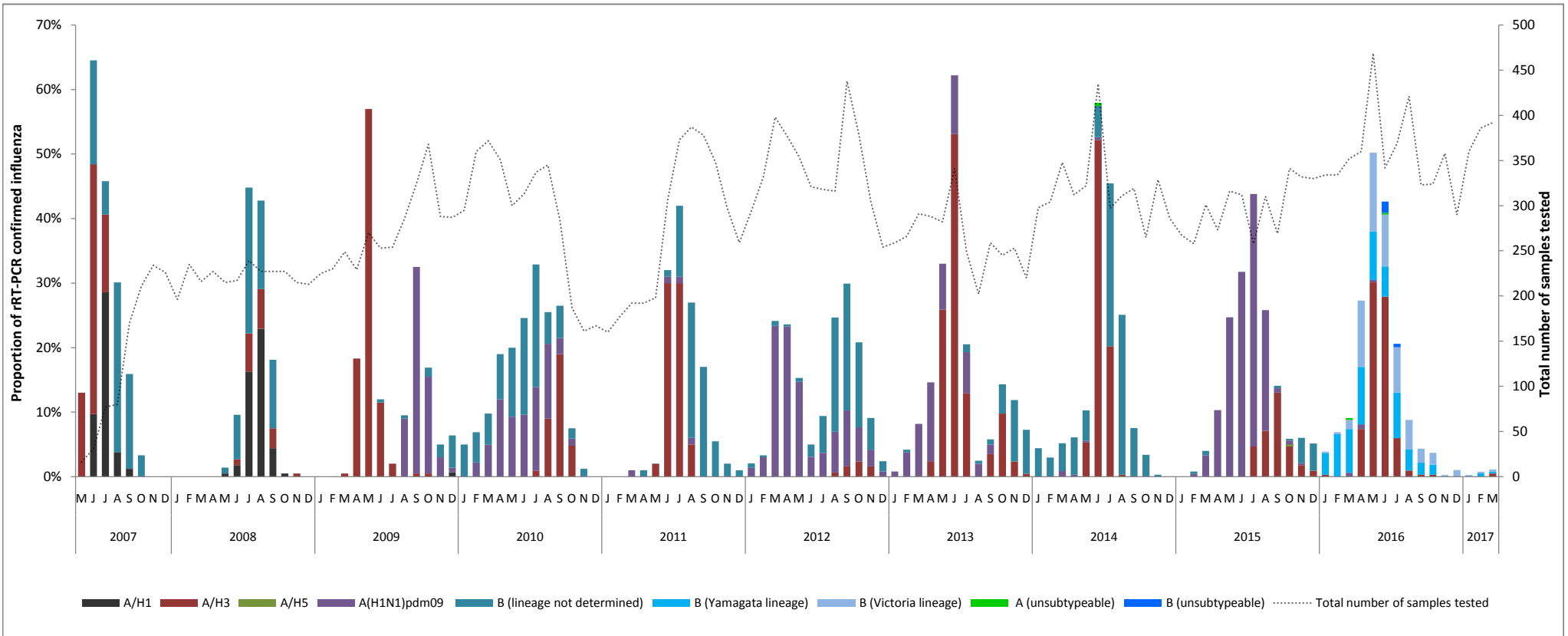
^λThree samples were co-infected with both Influenza B (Yamagata lineage) and Influenza B (Victoria lineage), another eight samples were unsubtypeable.

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

Hospital based influenza surveillance

Influenza seasonality graph

May 2007 - March 2017



Note: Influenza B typing initiated in January 2016