



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

August 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
August 2015

Hospital	District	Sample	Flu	Flu %	Flu A	Flu B	Flu A+B	Flu A/H1	Flu A/H3	Flu A/H5	(H1N1)pdm09
DNMCH	Dhaka	13	1	8%	1	0	0	0	1	0	0
CBMCH	Mymensingh ^x	17	5	29%	5	0	0	0	0	0	4
JIMCH	Kishoregonj	31	9	29%	9	0	0	0	2	0	7
RMCH	Rajshahi	18	3	17%	3	0	0	0	0	0	3
SZRMCH	Bogra	35	13	37%	13	0	0	0	2	0	11
LAMB	Dinajpur	5	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	11	4	36%	4	0	0	0	4	0	0
CoMCH	Comilla	36	5	14%	5	0	0	0	2	0	3
KMCH	Khulna	19	7	37%	7	0	0	0	3	0	4
JGH	Jessore	23	14	61%	14	0	0	0	1	0	13
JRRMCH	Sylhet	25	0	0%	0	0	0	0	0	0	0
SBMCH	Barisal	40	13	33%	13	0	0	0	5	0	8
CMCH	Chittagong	23	3	13%	3	0	0	0	2	0	1
DjMCH	Dinajpur ^x	14	5	36%	5	0	0	0	0	0	4
		310	82	26%	82	0	0	0	22	0	58

^xrRT-PCR result of one sample was equivocal positive for Influenza A

Hospital based influenza surveillance
Monthly enrollment by different surveillance groups
August 2015

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [¥]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	7	1	14%	-	-	-	6	0	0%
CBMCH	Mymensingh	12	3	25%	-	-	-	5	2	40%
JIMCH	Kishoregonj	16	4	25%	10	4	40%	5	1	20%
RMCH	Rajshahi	13	3	23%	-	-	-	5	0	0%
SZRMCH	Bogra	15	5	33%	15	7	47%	5	1	20%
LAMB	Dinajpur	2	0	0%	-	-	-	3	0	0%
BBMH	Chittagong	6	4	67%	-	-	-	5	0	0%
CoMCH	Comilla	12	4	33%	19	1	5%	5	0	0%
KMCH	Khulna	15	7	47%	-	-	-	4	0	0%
JGH	Jessore	9	8	89%	9	5	56%	5	1	20%
JRRMCH	Sylhet	6	0	0%	14	0	0%	5	0	0%
SBMCH	Barisal	14	8	57%	20	2	10%	6	3	50%
CMCH	Chittagong	18	3	17%	-	-	-	5	0	0%
DJMCH	Dinajpur	9	4	44%	-	-	-	5	1	20%
		154	54	35%	87	19	22%	69	9	13%

[†] 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 Severe Pneumonia samples (aged < 5 years) collected from pediatrics inpatients. More than five severe pneumonia cases belong to the cluster.

**Hospital based influenza surveillance
Influenza results by different age groups
August 2015**

Age groups	August 2015									Initiation - August 2015								
	SARI [†]			ILI [‡]			Severe Pneumonia [¥]			SARI [†]			ILI [‡]			Severe Pneumonia [¥]		
	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
<1 Year	-	-	-	17	0	0%	48	4	8%	-	-	-	2212	150	7%	3837	155	4%
1-4 Years	-	-	-	25	7	28%	21	5	24%	-	-	-	3522	495	14%	1130	107	9%
5-14 Years	27	6	22%	15	4	27%	-	-	-	1414	281	20%	1945	438	23%	-	-	-
15-24 Years	29	13	45%	15	4	27%	-	-	-	1872	407	22%	1880	357	19%	-	-	-
25-39 Years	27	7	26%	3	0	0%	-	-	-	1930	395	20%	1644	259	16%	-	-	-
40-59 Years	34	12	35%	8	4	50%	-	-	-	2134	386	18%	1047	165	16%	-	-	-
≥ 60 Years	37	16	43%	4	0	0%	-	-	-	2155	382	18%	340	37	11%	-	-	-
	154	54	35%	87	19	22%	69	9	13%	9,505	1,851	19%	12,590	1,901	15%	4,967	262	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 Severe Pneumonia samples (aged < 5 years) collected from pediatrics inpatients. More than five severe pneumonia cases belong to the cluster.

Hospital based influenza surveillance
Hospitalwise influenza lab results
Surveillance initiation - August 2015

Hospital	District	Initiation	Sample	Flu	Flu %	Flu A	Flu B	Flu A+B	Flu A/H1	Flu A/H3	Flu A/H5	(H1N1)pdm09
DNMCH	Dhaka	Jun 2007	1582	243	15%	153	90	0	15	58	0	80
CBMCH	Mymensingh [⌘]	Oct 2007	1573	235	15%	166	69	0	7	79	0	79
JIMCH	Kishoregonj [‡] [⌘]	Sep 2007	2835	538	19%	376	162	0	9	188	0	177
RMCH	Rajshahi	May 2007	1894	187	10%	127	60	0	14	65	0	48
SZRMCH	Bogra [⌘]	Sep 2007	2856	438	15%	295	143	0	12	144	0	138
LAMB	Dinajpur	Oct 2007	1115	109	10%	70	39	0	7	40	0	23
BBMH	Chittagong	Aug 2007	1357	149	11%	113	36	0	13	39	0	61
CoMCH	Comilla	Oct 2007	3413	453	13%	307	144	2	9	153	0	147
KMCH	Khulna	Jul 2007	1710	227	13%	166	61	0	16	90	0	60
JGH	Jessore	Sep 2007	2523	436	17%	300	136	0	10	148	0	142
JRRMCH	Sylhet	Jul 2007	2375	402	17%	265	137	0	16	112	0	137
SBMCH	Barisal [⌘]	Aug 2007	3221	466	14%	317	146	3	9	146	0	164
CMCH	Chittagong	Apr 2014	328	65	20%	51	14	0	0	21	0	30
DjMCH	Dinajpur [⌘]	Apr 2014	280	66	24%	47	19	0	0	24	0	21
			27,062	4,014	15%	2,753	1,256	5	137	1,307	0	1,307

[⌘]rRT-PCR result of one sample was equivocal positive for Influenza A

[‡]One sample collected in May 2013 was co-infected with both A(H3) and A(H1N1)pdm09

**Hospital based influenza surveillance
Influenza seasonality graph
May 2007 - August 2015**

