



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

November 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
November 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	14	0	0%	0	0	0	0	0	0	0
CBMCH	Mymensingh	18	1	6%	0	1	0	0	0	0	0
JIMCH	Kishoregonj	42	6	14%	1	5	0	0	1	0	0
RMCH	Rajshahi	22	0	0%	0	0	0	0	0	0	0
SZRMCH	Bogra	37	1	3%	0	1	0	0	0	0	0
LAMB	Dinajpur	5	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	9	0	0%	0	0	0	0	0	0	0
CoMCH	Comilla	36	2	6%	1	1	0	0	0	0	1
KMCH	Khulna	18	0	0%	0	0	0	0	0	0	0
JGH	Jessore	18	2	11%	2	0	0	0	2	0	0
JRRMCH	Sylhet	22	2	9%	0	2	0	0	0	0	0
SBMCH	Barisal	45	2	4%	0	2	0	0	0	0	0
CMCH	Chittagong	28	3	11%	2	1	0	0	2	0	0
DjMCH	Dinajpur	18	1	6%	1	0	0	0	1	0	0
		332	20	6%	7	13	0	0	6	0	1

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

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [¥]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	9	0	0%	-	-	-	5	0	0%
CBMCH	Mymensingh	13	1	8%	-	-	-	5	0	0%
JIMCH	Kishoregonj	22	3	14%	15	3	20%	5	0	0%
RMCH	Rajshahi	13	0	0%	-	-	-	9	0	0%
SZRMCH	Bogra	17	1	6%	15	0	0%	5	0	0%
LAMB	Dinajpur	0	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	4	0	0%	-	-	-	5	0	0%
CoMCH	Comilla	11	1	9%	20	1	5%	5	0	0%
KMCH	Khulna	13	0	0%	-	-	-	5	0	0%
JGH	Jessore	1	1	100%	12	1	8%	5	0	0%
JRRMCH	Sylhet	4	1	25%	13	1	8%	5	0	0%
SBMCH	Barisal	26	2	8%	14	0	0%	5	0	0%
CMCH	Chittagong	23	2	9%	-	-	-	5	1	20%
DJMCH	Dinajpur	13	1	8%	-	-	-	5	0	0%
		169	13	8%	89	6	7%	74	1	1%

[†] 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
November 2015**

Age groups	November 2015									Initiation - November 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	-	-	-	16	1	6%	61	1	2%	-	-	-	2265	155	7%	3990	160	4%
1-4 Years	-	-	-	30	0	0%	13	0	0%	-	-	-	3598	501	14%	1191	109	9%
5-14 Years	37	5	14%	12	3	25%	-	-	-	1513	289	19%	1980	445	22%	-	-	-
15-24 Years	23	0	0%	10	1	10%	-	-	-	1947	411	21%	1907	361	19%	-	-	-
25-39 Years	36	2	6%	14	1	7%	-	-	-	2020	404	20%	1684	264	16%	-	-	-
40-59 Years	32	3	9%	5	0	0%	-	-	-	2223	398	18%	1068	165	15%	-	-	-
≥ 60 Years	41	3	7%	2	0	0%	-	-	-	2271	394	17%	347	37	11%	-	-	-
	169	13	8%	89	6	7%	74	1	1%	9,974	1,896	19%	12,849	1,928	15%	5,181	269	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 - November 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	1632	244	15%	153	91	0	15	58	0	80
CBMCH	Mymensingh ^{*x}	Oct 2007	1621	240	15%	170	70	0	7	82	0	79
JIMCH	Kishoregonj ^{† x}	Sep 2007	2945	546	19%	379	167	0	9	191	0	177
RMCH	Rajshahi	May 2007	1950	188	10%	128	60	0	14	64	0	50
SZRMCH	Bogra ^x	Sep 2007	2967	454	15%	310	144	0	12	159	0	138
LAMB	Dinajpur	Oct 2007	1135	111	10%	72	39	0	7	41	0	24
BBMH	Chittagong	Aug 2007	1384	149	11%	113	36	0	13	39	0	61
CoMCH	Comilla	Oct 2007	3510	458	13%	311	145	2	9	156	0	148
KMCH	Khulna	Jul 2007	1755	230	13%	169	61	0	16	92	0	61
JGH	Jessore	Sep 2007	2583	448	17%	312	136	0	10	160	0	142
JRRMCH	Sylhet	Jul 2007	2436	406	17%	266	140	0	16	113	0	137
SBMCH	Barisal ^x	Aug 2007	3354	475	14%	324	148	3	9	152	0	165
CMCH	Chittagong	Apr 2014	398	72	18%	57	15	0	0	27	0	30
DjMCH	Dinajpur ^{x x}	Apr 2014	334	72	22%	53	19	0	0	30	0	21
			28,004	4,093	15%	2,817	1,271	5	137	1,364	0	1,313

*One sample will be repeated for influenza A sub-typing

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

^{x x}rRT-PCR result of two samples were 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 - November 2015**

