



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

October 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
October 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	25	0	0%	0	0	0	0	0	0	0
CBMCH	Mymensingh*	15	4	27%	4	0	0	0	3	0	0
JIMCH	Kishoregonj	36	0	0%	0	0	0	0	0	0	0
RMCH	Rajshahi	19	1	5%	1	0	0	0	0	0	1
SZRMCH	Bogra	38	7	18%	7	0	0	0	7	0	0
LAMB	Dinajpur	8	1	13%	1	0	0	0	1	0	0
BBMH	Chittagong	11	0	0%	0	0	0	0	0	0	0
CoMCH	Comilla	36	0	0%	0	0	0	0	0	0	0
KMCH	Khulna	15	1	7%	1	0	0	0	0	0	1
JGH	Jessore	23	2	9%	2	0	0	0	2	0	0
JRRMCH	Sylhet	19	1	5%	0	1	0	0	0	0	0
SBMCH	Barisal	53	2	4%	2	0	0	0	2	0	0
CMCH	Chittagong	24	0	0%	0	0	0	0	0	0	0
DjMCH	Dinajpur	19	1	5%	1	0	0	0	1	0	0
		341	20	6%	19	1	0	0	16	0	2

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

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

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [*]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	20	0	0%	-	-	-	5	0	0%
CBMCH	Mymensingh*	10	4	40%	-	-	-	5	0	0%
JIMCH	Kishoregonj	19	0	0%	12	0	0%	5	0	0%
RMCH	Rajshahi	14	1	7%	-	-	-	5	0	0%
SZRMCH	Bogra	16	2	13%	17	4	24%	5	1	20%
LAMB	Dinajpur	3	0	0%	-	-	-	5	1	20%
BBMH	Chittagong	6	0	0%	-	-	-	5	0	0%
CoMCH	Comilla	16	0	0%	15	0	0%	5	0	0%
KMCH	Khulna	10	1	10%	-	-	-	5	0	0%
JGH	Jessore	4	1	25%	14	1	7%	5	0	0%
JRRMCH	Sylhet	2	0	0%	12	0	0%	5	1	20%
SBMCH	Barisal	21	1	5%	24	1	4%	8	0	0%
CMCH	Chittagong	19	0	0%	-	-	-	5	0	0%
DJMCH	Dinajpur	14	1	7%	-	-	-	5	0	0%
		174	11	6%	94	6	6%	73	3	4%

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

[†] 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
October 2015

Age groups	October 2015									Initiation - October 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	-	-	-	23	1	4%	47	2	4%	-	-	-	2249	154	7%	3929	159	4%
1-4 Years	-	-	-	24	2	8%	26	1	4%	-	-	-	3568	501	14%	1178	109	9%
5-14 Years	36	1	3%	9	1	11%	-	-	-	1476	284	19%	1968	442	22%	-	-	-
15-24 Years	28	1	4%	9	1	11%	-	-	-	1924	411	21%	1897	360	19%	-	-	-
25-39 Years	28	2	7%	14	1	7%	-	-	-	1984	402	20%	1670	263	16%	-	-	-
40-59 Years	37	3	8%	10	0	0%	-	-	-	2191	395	18%	1063	165	16%	-	-	-
≥ 60 Years	45	4	9%	5	0	0%	-	-	-	2230	391	18%	345	37	11%	-	-	-
	174	11	6%	94	6	6%	73	3	4%	9,805	1,883	19%	12,760	1,922	15%	5,107	268	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 - October 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	1618	244	15%	153	91	0	15	58	0	80
CBMCH	Mymensingh ^{*x}	Oct 2007	1603	239	15%	170	69	0	7	82	0	79
JIMCH	Kishoregonj ^{† x}	Sep 2007	2903	540	19%	378	162	0	9	190	0	177
RMCH	Rajshahi	May 2007	1928	188	10%	128	60	0	14	64	0	50
SZRMCH	Bogra ^x	Sep 2007	2930	453	15%	310	143	0	12	159	0	138
LAMB	Dinajpur	Oct 2007	1130	111	10%	72	39	0	7	41	0	24
BBMH	Chittagong	Aug 2007	1375	149	11%	113	36	0	13	39	0	61
CoMCH	Comilla	Oct 2007	3474	456	13%	310	144	2	9	156	0	147
KMCH	Khulna	Jul 2007	1737	230	13%	169	61	0	16	92	0	61
JGH	Jessore	Sep 2007	2565	446	17%	310	136	0	10	158	0	142
JRRMCH	Sylhet	Jul 2007	2414	404	17%	266	138	0	16	113	0	137
SBMCH	Barisal ^x	Aug 2007	3309	473	14%	324	146	3	9	152	0	165
CMCH	Chittagong	Apr 2014	370	69	19%	55	14	0	0	25	0	30
DjMCH	Dinajpur ^{x x}	Apr 2014	316	71	22%	52	19	0	0	29	0	21
			27,672	4,073	15%	2,810	1,258	5	137	1,358	0	1,312

*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 - October 2015**

