



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

April 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
April 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	11	4	36%	4	0	0	0	0	0	4
CBMCH	Mymensingh	12	0	0%	0	0	0	0	0	0	0
JIMCH	Kishoregonj	26	5	19%	5	0	0	0	0	0	5
RMCH	Rajshahi	20	1	5%	1	0	0	0	0	0	1
SZRMCH	Bogra	33	1	3%	1	0	0	0	0	0	1
LAMB	Dinajpur	9	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	2	0	0%	0	0	0	0	0	0	0
CoMCH	Comilla	31	5	16%	5	0	0	0	0	0	5
KMCH	Khulna	13	0	0%	0	0	0	0	0	0	0
JGH	Jessore	23	3	13%	3	0	0	0	0	0	3
JRRMCH	Sylhet	22	3	14%	3	0	0	0	0	0	3
SBMCH	Barisal ^λ	36	2	6%	2	0	0	0	0	0	2
CMCH	Chittagong	18	2	11%	2	0	0	0	0	0	2
DjMCH	Dinajpur	17	2	12%	2	0	0	0	0	0	2
		273	28	10.3%	28	0	0	0	0	0	28

^λrRT-PCR result of one sample was equivocal positive for Influenza A(H1N1)pdm09

Hospital based influenza surveillance
Monthly enrollement by different surveillance groups
April 2015

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [*]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	8	3	38%	-	-	-	3	1	33%
CBMCH	Mymensingh	7	0	0%	-	-	-	5	0	0%
JIMCH	Kishoregonj	9	2	22%	12	3	25%	5	0	0%
RMCH	Rajshahi	14	1	7%	-	-	-	6	0	0%
SZRMCH	Bogra	12	1	8%	16	0	0%	5	0	0%
LAMB	Dinajpur	4	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	2	0	0%	-	-	-	0	0	0%
CoMCH	Comilla	7	1	14%	19	4	21%	5	0	0%
KMCH	Khulna	8	0	0%	-	-	-	5	0	0%
JGH	Jessore	6	1	17%	12	2	17%	5	0	0%
JRRMCH	Sylhet	6	1	17%	11	2	18%	5	0	0%
SBMCH	Barisal ^λ	11	0	0%	20	2	10%	5	0	0%
CMCH	Chittagong	13	2	15%	-	-	-	5	0	0%
DJMCH	Dinajpur	12	2	17%	-	-	-	5	0	0%
		119	14	12%	90	13	14%	64	1	2%

^λ rRT-PCR result of one sample was equivocal positive for Influenza A(H1N1)pdm09

[†] All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatric 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 pediatric inpatients. More than five severe pneumonia cases belong to the cluster.

Hospital based influenza surveillance
Influenza results by different age groups
April 2015

Age groups	April 2015									Initiation - April 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	-	-	-	19	0	0%	54	1	2%	-	-	-	2161	146	7%	3640	133	4%
1-4 Years	-	-	-	21	1	5%	10	0	0%	-	-	-	3417	459	13%	1059	88	8%
5-14 Years	17	1	6%	16	5	31%	-	-	-	1323	254	19%	1879	417	22%	-	-	-
15-24 Years	25	5	20%	15	1	7%	-	-	-	1736	354	20%	1827	337	18%	-	-	-
25-39 Years	25	2	8%	8	2	25%	-	-	-	1809	345	19%	1616	251	16%	-	-	-
40-59 Years	32	4	13%	3	1	33%	-	-	-	2009	334	17%	1013	150	15%	-	-	-
≥ 60 Years	20	2	10%	8	3	0%	-	-	-	2044	335	16%	333	36	11%	-	-	-
	119	14	12%	90	13	14%	64	1	2%	8,921	1,622	18%	12,246	1,796	15%	4,699	221	5%

[†] All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatric 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 pediatric inpatients. More than five severe pneumonia cases belong to the cluster.

Hospital based influenza surveillance
Hospitalwise influenza lab results
Surveillance initiation - April 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	1538	228	15%	138	90	0	15	56	0	67
CBMCH	Mymensingh	Oct 2007	1514	212	14%	143	69	0	7	79	0	57
JIMCH	Kishoregonj* [‡]	Sep 2007	2704	487	18%	325	162	0	9	183	0	132
RMCH	Rajshahi	May 2007	1825	174	10%	114	60	0	14	64	0	36
SZRMCH	Bogra*	Sep 2007	2724	393	14%	250	143	0	12	142	0	96
LAMB	Dinajpur	Oct 2007	1086	101	9%	62	39	0	7	40	0	15
BBMH	Chittagong	Aug 2007	1320	138	10%	102	36	0	13	35	0	54
CoMCH	Comilla	Oct 2007	3282	433	13%	287	144	2	9	149	0	131
KMCH	Khulna	Jul 2007	1656	212	13%	151	61	0	16	87	0	48
JGH	Jessore	Sep 2007	2431	399	16%	263	136	0	10	147	0	106
JRRMCH	Sylhet	Jul 2007	2276	368	16%	231	137	0	16	112	0	103
SBMCH	Barisal ^λ	Aug 2007	3061	413	13%	264	146	3	9	137	0	121
CMCH	Chittagong	Apr 2014	236	34	14%	20	14	0	0	18	0	2
DjMCH	Dinajpur*	Apr 2014	213	47	22%	28	19	0	0	24	0	4
			25,866	3,639	14%	2,378	1,256	5	137	1,273	0	972

*One sample will be repeated

^λrRT-PCR result of one sample was equivocal positive for Influenza A(H1N1)pdm09

[‡]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 - April 2015

