



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

June 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
June 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	5	38%	5	0	0	0	0	0	5
CBMCH	Mymensingh	14	5	36%	5	0	0	0	0	0	5
JIMCH	Kishoregonj [⌘]	34	15	44%	15	0	0	0	0	0	14
RMCH	Rajshahi	17	3	18%	3	0	0	0	0	0	3
SZRMCH	Bogra	33	10	30%	10	0	0	0	0	0	10
LAMB	Dinajpur	9	4	44%	4	0	0	0	0	0	4
BBMH	Chittagong	8	1	13%	1	0	0	0	0	0	1
CoMCH	Comilla	28	3	11%	3	0	0	0	0	0	3
KMCH	Khulna	13	3	23%	3	0	0	0	0	0	3
JGH	Jessore	26	7	27%	7	0	0	0	0	0	7
JRRMCH	Sylhet	32	16	50%	16	0	0	0	0	0	16
SBMCH	Barisal	41	13	32%	13	0	0	0	0	0	13
CMCH	Chittagong	22	9	41%	9	0	0	0	0	0	9
DjMCH	Dinajpur	22	6	27%	6	0	0	0	0	0	6
		312	100	32%	100	0	0	0	0	0	99

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

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

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [¥]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	8	3	38%	-	-	-	5	2	40%
CBMCH	Mymensingh	9	5	56%	-	-	-	5	0	0%
JIMCH	Kishoregonj [ⓧ]	15	8	53%	14	7	50%	5	0	0%
RMCH	Rajshahi	12	3	25%	-	-	-	5	0	0%
SZRMCH	Bogra	14	4	29%	14	6	43%	5	0	0%
LAMB	Dinajpur	4	4	100%	-	-	-	5	0	0%
BBMH	Chittagong	4	1	25%	-	-	-	4	0	0%
CoMCH	Comilla	7	0	0%	16	2	13%	5	1	20%
KMCH	Khulna	8	1	13%	-	-	-	5	2	40%
JGH	Jessore	11	3	27%	10	4	40%	5	0	0%
JRRMCH	Sylhet	13	6	46%	14	7	50%	5	3	60%
SBMCH	Barisal	13	5	38%	23	8	35%	5	0	0%
CMCH	Chittagong	17	7	41%	-	-	-	5	2	40%
DJMCH	Dinajpur	17	6	35%	-	-	-	5	0	0%
		152	56	37%	91	34	37%	69	10	14%

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

[†] 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
June 2015

Age groups	June 2015									Initiation - June 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	-	-	-	15	4	27%	58	6	10%	-	-	-	2187	150	7%	3748	143	4%
1-4 Years	-	-	-	30	12	40%	11	4	36%	-	-	-	3474	479	14%	1086	94	9%
5-14 Years	23	4	17%	14	2	14%	-	-	-	1374	267	19%	1914	422	22%	-	-	-
15-24 Years	44	16	36%	16	9	56%	-	-	-	1814	381	21%	1850	349	19%	-	-	-
25-39 Years	31	15	48%	6	1	17%	-	-	-	1876	372	20%	1634	255	16%	-	-	-
40-59 Years	33	11	33%	9	5	56%	-	-	-	2072	354	17%	1034	160	15%	-	-	-
≥ 60 Years	21	10	48%	1	1	100%	-	-	-	2095	357	17%	336	37	11%	-	-	-
	152	56	37%	91	34	37%	69	10	14%	9,231	1,731	19%	12,429	1,852	15%	4,834	237	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 - June 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	1563	240	15%	150	90	0	15	56	0	79
CBMCH	Mymensingh ^λ	Oct 2007	1543	220	14%	151	69	0	7	79	0	65
JIMCH	Kishoregonj [‡] ^κ	Sep 2007	2775	516	19%	354	162	0	9	183	0	160
RMCH	Rajshahi	May 2007	1859	179	10%	119	60	0	14	64	0	41
SZRMCH	Bogra ^κ	Sep 2007	2788	406	15%	263	143	0	12	142	0	108
LAMB	Dinajpur	Oct 2007	1101	105	10%	66	39	0	7	40	0	19
BBMH	Chittagong	Aug 2007	1340	145	11%	109	36	0	13	35	0	61
CoMCH	Comilla	Oct 2007	3349	441	13%	295	144	2	9	149	0	139
KMCH	Khulna	Jul 2007	1681	218	13%	157	61	0	16	87	0	54
JGH	Jessore	Sep 2007	2485	412	17%	276	136	0	10	147	0	119
JRRMCH	Sylhet	Jul 2007	2328	389	17%	252	137	0	16	112	0	124
SBMCH	Barisal ^κ	Aug 2007	3145	441	14%	292	146	3	9	137	0	148
CMCH	Chittagong	Apr 2014	284	51	18%	37	14	0	0	18	0	19
DjMCH	Dinajpur ^κ	Apr 2014	253	57	23%	38	19	0	0	24	0	13
			26,494	3,820	14%	2,559	1,256	5	137	1,273	0	1,149

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

^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 - June 2015**

