



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

May 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
May 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	12	7	58%	7	0	0	0	0	0	7
CBMCH	Mymensingh ^λ	15	3	20%	3	0	0	0	0	0	3
JIMCH	Kishoregonj	37	14	38%	14	0	0	0	0	0	14
RMCH	Rajshahi	17	2	12%	2	0	0	0	0	0	2
SZRMCH	Bogra	31	2	6%	2	0	0	0	0	0	2
LAMB	Dinajpur	6	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	12	6	50%	6	0	0	0	0	0	6
CoMCH	Comilla	39	5	13%	5	0	0	0	0	0	5
KMCH	Khulna	12	3	25%	3	0	0	0	0	0	3
JGH	Jessore	28	6	21%	6	0	0	0	0	0	6
JRRMCH	Sylhet	20	5	25%	5	0	0	0	0	0	5
SBMCH	Barisal [*]	43	14	33%	14	0	0	0	0	0	14
CMCH	Chittagong	26	8	31%	8	0	0	0	0	0	8
DjMCH	Dinajpur	18	3	17%	3	0	0	0	0	0	3
		316	78	24.7%	78	0	0	0	0	0	78

* One sample will be repeated

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

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

Hospital	District	SARI [†]			ILI [‡]			Severe Pneumonia [¥]		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	8	6	75%	-	-	-	4	1	25%
CBMCH	Mymensingh ^λ	10	3	30%	-	-	-	5	0	0%
JIMCH	Kishoregonj	21	6	29%	11	6	55%	5	2	40%
RMCH	Rajshahi	12	2	17%	-	-	-	5	0	0%
SZRMCH	Bogra	9	2	22%	17	0	0%	5	0	0%
LAMB	Dinajpur	1	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	9	4	44%	-	-	-	3	2	67%
CoMCH	Comilla	14	2	14%	20	3	15%	5	0	0%
KMCH	Khulna	8	3	38%	-	-	-	4	0	0%
JGH	Jessore	9	3	33%	14	3	21%	5	0	0%
JRRMCH	Sylhet	6	3	50%	9	2	22%	5	0	0%
SBMCH	Barisal [*]	17	6	35%	21	8	38%	5	0	0%
CMCH	Chittagong	21	8	38%	-	-	-	5	0	0%
DJMCH	Dinajpur	13	3	23%	-	-	-	5	0	0%
		158	51	32%	92	22	24%	66	5	8%

*One sample will be repeated

^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
May 2015

Age groups	May 2015									Initiation - May 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	-	-	-	11	0	0%	50	3	6%	-	-	-	2172	146	7%	3690	136	4%
1-4 Years	-	-	-	27	8	30%	16	2	13%	-	-	-	3444	467	14%	1075	90	8%
5-14 Years	28	9	32%	21	3	14%	-	-	-	1351	263	19%	1900	420	22%	-	-	-
15-24 Years	34	11	32%	7	3	43%	-	-	-	1770	365	21%	1834	340	19%	-	-	-
25-39 Years	36	10	28%	12	3	25%	-	-	-	1845	355	19%	1628	254	16%	-	-	-
40-59 Years	30	9	30%	12	5	42%	-	-	-	2039	343	17%	1025	155	15%	-	-	-
≥ 60 Years	30	12	40%	2	0	0%	-	-	-	2074	347	17%	335	36	11%	-	-	-
	158	51	32%	92	22	24%	66	5	8%	9,079	1,673	18%	12,338	1,818	15%	4,765	226	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 - May 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	1550	235	15%	145	90	0	15	56	0	74
CBMCH	Mymensingh ^λ	Oct 2007	1529	215	14%	146	69	0	7	79	0	60
JIMCH	Kishoregonj ^{*‡}	Sep 2007	2741	501	18%	339	162	0	9	183	0	146
RMCH	Rajshahi	May 2007	1842	176	10%	116	60	0	14	64	0	38
SZRMCH	Bogra*	Sep 2007	2755	395	14%	252	143	0	12	142	0	98
LAMB	Dinajpur	Oct 2007	1092	101	9%	62	39	0	7	40	0	15
BBMH	Chittagong	Aug 2007	1332	144	11%	108	36	0	13	35	0	60
CoMCH	Comilla	Oct 2007	3321	438	13%	292	144	2	9	149	0	136
KMCH	Khulna	Jul 2007	1668	215	13%	154	61	0	16	87	0	51
JGH	Jessore	Sep 2007	2459	405	16%	269	136	0	10	147	0	112
JRRMCH	Sylhet	Jul 2007	2296	373	16%	236	137	0	16	112	0	108
SBMCH	Barisal*	Aug 2007	3104	427	14%	278	146	3	9	137	0	135
CMCH	Chittagong	Apr 2014	262	42	16%	28	14	0	0	18	0	10
DjMCH	Dinajpur*	Apr 2014	231	50	22%	31	19	0	0	24	0	7
			26,182	3,717	14%	2,456	1,256	5	137	1,273	0	1,050

*One sample will be repeated

^λ rRT-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 - May 2015

