



Monthly summary report

Hospital Based Human Influenza Surveillance in Bangladesh

December 2015

Hospital based influenza surveillance
Monthly hospitalwise influenza lab results
December 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	20	1	5%	1	0	0	0	1	0	0
JIMCH	Kishoregonj	38	4	11%	1	3	0	0	1	0	0
RMCH	Rajshahi	19	0	0%	0	0	0	0	0	0	0
SZRMCH	Bogra	27	0	0%	0	0	0	0	0	0	0
LAMB	Dinajpur	7	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	12	0	0%	0	0	0	0	0	0	0
CoMCH	Comilla	35	5	14%	0	5	0	0	0	0	0
KMCH	Khulna	15	0	0%	0	0	0	0	0	0	0
JGH	Jessore	30	1	3%	0	1	0	0	0	0	0
JRRMCH	Sylhet	28	2	7%	0	2	0	0	0	0	0
SBMCH	Barisal	43	0	0%	0	0	0	0	0	0	0
CMCH	Chittagong	20	2	10%	0	2	0	0	0	0	0
DjMCH	Dinajpur	22	2	9%	1	1	0	0	1	0	0
		330	17	5%	3	14	0	0	3	0	0

Hospital based influenza surveillance
Monthly enrollment by different surveillance groups
December 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	15	1	7%	-	-	-	5	0	0%
JIMCH	Kishoregonj	18	2	11%	14	2	14%	6	0	0%
RMCH	Rajshahi	14	0	0%	-	-	-	5	0	0%
SZRMCH	Bogra	9	0	0%	13	0	0%	5	0	0%
LAMB	Dinajpur	2	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	7	0	0%	-	-	-	5	0	0%
CoMCH	Comilla	15	2	13%	15	3	20%	5	0	0%
KMCH	Khulna	10	0	0%	-	-	-	5	0	0%
JGH	Jessore	10	0	0%	15	1	7%	5	0	0%
JRRMCH	Sylhet	7	2	29%	16	0	0%	5	0	0%
SBMCH	Barisal	21	0	0%	14	0	0%	8	0	0%
CMCH	Chittagong	15	2	13%	-	-	-	5	0	0%
DJMCH	Dinajpur	17	2	12%	-	-	-	5	0	0%
		169	11	7%	87	6	7%	74	0	0%

[†] 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
December 2015

Age groups	December 2015									Initiation - December 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	-	-	-	21	2	10%	62	0	0%	-	-	-	2286	157	7%	4052	160	4%
1-4 Years	-	-	-	23	1	4%	12	0	0%	-	-	-	3621	502	14%	1203	109	9%
5-14 Years	28	3	11%	15	1	7%	-	-	-	1541	292	19%	1995	446	22%	-	-	-
15-24 Years	27	2	7%	9	0	0%	-	-	-	1974	413	21%	1916	361	19%	-	-	-
25-39 Years	22	2	9%	7	1	14%	-	-	-	2042	406	20%	1691	265	16%	-	-	-
40-59 Years	40	3	8%	11	1	9%	-	-	-	2263	401	18%	1079	166	15%	-	-	-
≥ 60 Years	52	1	2%	1	0	0%	-	-	-	2323	395	17%	348	37	11%	-	-	-
	169	11	7%	87	6	7%	74	0	0%	10,143	1,907	19%	12,936	1,934	15%	5,255	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 - December 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	1646	244	15%	153	91	0	15	58	0	80
CBMCH	Mymensingh ^{*x}	Oct 2007	1641	241	15%	171	70	0	7	83	1	79
JIMCH	Kishoregonj ^{†x}	Sep 2007	2983	550	18%	380	170	0	9	192	0	177
RMCH	Rajshahi	May 2007	1969	188	10%	128	60	0	14	64	0	50
SZRMCH	Bogra ^x	Sep 2007	2994	454	15%	310	144	0	12	159	0	138
LAMB	Dinajpur	Oct 2007	1142	111	10%	72	39	0	7	41	0	24
BBMH	Chittagong	Aug 2007	1396	149	11%	113	36	0	13	39	0	61
CoMCH	Comilla	Oct 2007	3545	463	13%	311	150	2	9	156	0	148
KMCH	Khulna	Jul 2007	1770	230	13%	169	61	0	16	92	0	61
JGH	Jessore	Sep 2007	2613	449	17%	312	137	0	10	160	0	142
JRRMCH	Sylhet	Jul 2007	2464	408	17%	266	142	0	16	113	0	137
SBMCH	Barisal ^x	Aug 2007	3397	475	14%	324	148	3	9	152	0	165
CMCH	Chittagong	Apr 2014	418	74	18%	57	17	0	0	27	0	30
DjMCH	Dinajpur ^{x,x}	Apr 2014	356	74	21%	54	20	0	0	31	0	21
			28,334	4,110	15%	2,820	1,285	5	137	1,367	1	1,313

* A SARI sample collected from CBMCH in October 2015 was repeated for influenza A sub-typing and found influenza A/H5 positive.

^x rRT-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 - December 2015

