



## Monthly summary report

# Hospital Based Human Influenza Surveillance in Bangladesh

**September 2015**

**Hospital based influenza surveillance**  
**Monthly hospitalwise influenza lab results**  
**September 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	1	9%	0	1	0	0	0	0	0
CBMCH	Mymensingh	15	0	0%	0	0	0	0	0	0	0
JIMCH	Kishoregonj	32	2	6%	2	0	0	0	2	0	0
RMCH	Rajshahi	15	0	0%	0	0	0	0	0	0	0
SZRMCH	Bogra	36	8	22%	8	0	0	0	8	0	0
LAMB	Dinajpur	7	1	14%	1	0	0	0	0	0	1
BBMH	Chittagong	7	0	0%	0	0	0	0	0	0	0
CoMCH	Comilla	25	3	12%	3	0	0	0	3	0	0
KMCH	Khulna	12	2	17%	2	0	0	0	2	0	0
JGH	Jessore	19	8	42%	8	0	0	0	8	0	0
JRRMCH	Sylhet	20	1	5%	1	0	0	0	1	0	0
SBMCH	Barisal	35	5	14%	5	0	0	0	4	0	1
CMCH	Chittagong	18	4	22%	4	0	0	0	4	0	0
DjMCH	Dinajpur	17	3	18%	3	0	0	0	3	0	0
		<b>269</b>	<b>38</b>	<b>14%</b>	<b>37</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>2</b>

**Hospital based influenza surveillance**  
**Monthly enrollment by different surveillance groups**  
**September 2015**

Hospital	District	SARI <sup>†</sup>			ILI <sup>‡</sup>			Severe Pneumonia <sup>¥</sup>		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	6	1	17%	-	-	-	5	0	0%
CBMCH	Mymensingh	10	0	0%	-	-	-	5	0	0%
JIMCH	Kishoregonj	16	1	6%	11	1	9%	5	0	0%
RMCH	Rajshahi	10	0	0%	-	-	-	5	0	0%
SZRMCH	Bogra	17	5	29%	14	3	21%	5	0	0%
LAMB	Dinajpur	2	1	50%	-	-	-	5	0	0%
BBMH	Chittagong	2	0	0%	-	-	-	5	0	0%
CoMCH	Comilla	8	0	0%	12	2	17%	5	1	20%
KMCH	Khulna	7	1	14%	-	-	-	5	1	20%
JGH	Jessore	5	3	60%	12	5	42%	2	0	0%
JRRMCH	Sylhet	6	1	17%	9	0	0%	5	0	0%
SBMCH	Barisal	12	1	8%	18	4	22%	5	0	0%
CMCH	Chittagong	13	4	31%	-	-	-	5	0	0%
DJMCH	Dinajpur	12	3	25%	-	-	-	5	0	0%
		<b>126</b>	<b>21</b>	<b>17%</b>	<b>76</b>	<b>15</b>	<b>20%</b>	<b>67</b>	<b>2</b>	<b>3%</b>

<sup>†</sup> All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatrics inpatients.

<sup>‡</sup> All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

<sup>¥</sup> 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**  
**September 2015**

Age groups	September 2015									Initiation - September 2015								
	SARI <sup>†</sup>			ILI <sup>‡</sup>			Severe Pneumonia <sup>¥</sup>			SARI <sup>†</sup>			ILI <sup>‡</sup>			Severe Pneumonia <sup>¥</sup>		
	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
<1 Year	-	-	-	14	3	21%	45	2	4%	-	-	-	2226	153	7%	3882	157	4%
1-4 Years	-	-	-	22	4	18%	22	0	0%	-	-	-	3544	499	14%	1152	108	9%
5-14 Years	26	2	8%	14	3	21%	-	-	-	1440	283	20%	1959	441	23%	-	-	-
15-24 Years	24	3	13%	8	2	25%	-	-	-	1896	410	22%	1888	359	19%	-	-	-
25-39 Years	26	5	19%	12	3	25%	-	-	-	1956	400	20%	1656	262	16%	-	-	-
40-59 Years	20	6	30%	6	0	0%	-	-	-	2154	392	18%	1053	165	16%	-	-	-
≥ 60 Years	30	5	17%	0	0	0%	-	-	-	2185	387	18%	340	37	11%	-	-	-
	<b>126</b>	<b>21</b>	<b>17%</b>	<b>76</b>	<b>15</b>	<b>20%</b>	<b>67</b>	<b>2</b>	<b>3%</b>	<b>9,631</b>	<b>1,872</b>	<b>19%</b>	<b>12,666</b>	<b>1,916</b>	<b>15%</b>	<b>5,034</b>	<b>265</b>	<b>5%</b>

<sup>†</sup> All SARI samples (aged ≥ 5 years) collected throughout the month from medicine and pediatrics inpatients.

<sup>‡</sup> All ILI samples (all age groups) collected during 4 days in each month from both medicine and pediatrics OPD of selected six hospitals.

<sup>¥</sup> 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 - September 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	1593	244	15%	153	91	0	15	58	0	80
CBMCH	Mymensingh <sup>⌘</sup>	Oct 2007	1588	235	15%	166	69	0	7	79	0	79
JIMCH	Kishoregonj <sup>‡</sup> <sup>⌘</sup>	Sep 2007	2867	540	19%	378	162	0	9	190	0	177
RMCH	Rajshahi	May 2007	1909	187	10%	127	60	0	14	64	0	49
SZRMCH	Bogra <sup>⌘</sup>	Sep 2007	2892	446	15%	303	143	0	12	152	0	138
LAMB	Dinajpur	Oct 2007	1122	110	10%	71	39	0	7	40	0	24
BBMH	Chittagong	Aug 2007	1364	149	11%	113	36	0	13	39	0	61
CoMCH	Comilla	Oct 2007	3438	456	13%	310	144	2	9	156	0	147
KMCH	Khulna	Jul 2007	1722	229	13%	168	61	0	16	92	0	60
JGH	Jessore	Sep 2007	2542	444	17%	308	136	0	10	156	0	142
JRRMCH	Sylhet	Jul 2007	2395	403	17%	266	137	0	16	113	0	137
SBMCH	Barisal <sup>⌘</sup>	Aug 2007	3256	471	14%	322	146	3	9	150	0	165
CMCH	Chittagong	Apr 2014	346	69	20%	55	14	0	0	25	0	30
DjMCH	Dinajpur <sup>⌘</sup>	Apr 2014	297	70	24%	51	19	0	0	28	0	21
			<b>27,331</b>	<b>4,053</b>	<b>15%</b>	<b>2,791</b>	<b>1,257</b>	<b>5</b>	<b>137</b>	<b>1,342</b>	<b>0</b>	<b>1,310</b>

<sup>⌘</sup>rRT-PCR result of one sample was equivocal positive for Influenza A

<sup>‡</sup>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 - September 2015**

