



## Monthly summary report

# Hospital Based Human Influenza Surveillance in Bangladesh

**December 2013**

**Hospital based influenza surveillance**  
**Monthly hospitalwise influenza lab results**  
**December 2013**

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	10	0	0%	0	0	0	0	0	0	0
CBMCH	Mymensingh	14	1	7%	0	1	0	0	0	0	0
JIMCH	Kishoregonj	25	6	24%	1	5	0	0	1	0	0
RMCH	Rajshahi	17	0	0%	0	0	0	0	0	0	0
SZRMCH	Bogra	15	1	7%	0	1	0	0	0	0	0
LAMB	Dinajpur	5	0	0%	0	0	0	0	0	0	0
BBMH	Chittagong	10	1	10%	0	1	0	0	0	0	0
CoMCH	Comilla	34	2	6%	0	2	0	0	0	0	0
KMCH	Khulna	14	0	0%	0	0	0	0	0	0	0
JGH	Jessore	29	1	3%	0	1	0	0	0	0	0
JRRMCH	Sylhet	16	0	0%	0	0	0	0	0	0	0
SBMCH	Barisal	31	4	13%	0	4	0	0	0	0	0
		<b>220</b>	<b>16</b>	<b>7.3%</b>	<b>1</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>

**Hospital based influenza surveillance**  
**Monthly enrollement by different surveillance groups**  
**December 2013**

Hospital	District	SARI <sup>†</sup>			ILI <sup>‡</sup>			Severe Pneumonia <sup>¥</sup>		
		Sample	Flu	Flu %	Total	Flu	Flu %	Total	Flu	Flu %
DNMCH	Dhaka	5	0	0%	-	-	-	5	0	0%
CBMCH	Mymensingh	6	1	17%	-	-	-	8	0	0%
JIMCH	Kishoregonj	6	2	33%	12	4	33%	7	0	0%
RMCH	Rajshahi	10	0	0%	-	-	-	7	0	0%
SZRMCH	Bogra	2	0	0%	8	1	13%	5	0	0%
LAMB	Dinajpur	0	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	5	1	0%	-	-	-	5	0	0%
CoMCH	Comilla	9	2	22%	18	0	0%	7	0	0%
KMCH	Khulna	9	0	0%	-	-	-	5	0	0%
JGH	Jessore	6	0	0%	17	1	6%	6	0	0%
JRRMCH	Sylhet	5	0	0%	6	0	0%	5	0	0%
SBMCH	Barisal	10	0	0%	16	4	25%	5	0	0%
		<b>73</b>	<b>6</b>	<b>8%</b>	<b>77</b>	<b>10</b>	<b>13%</b>	<b>70</b>	<b>0</b>	<b>0%</b>

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

**Hospital based influenza surveillance**  
**Influenza results by different age groups**  
**December 2013**

Age groups	December 2013									Initiation - December 2013								
	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	-	-	-	13	1	8%	54	0	0%	-	-	-	1830	127	7%	2749	110	4%
1-4 Years	-	-	-	20	3	15%	16	0	0%	-	-	-	2884	405	14%	817	78	10%
5-14 Years	6	1	17%	10	3	30%	-	-	-	1043	207	20%	1661	364	22%	-	-	-
15-24 Years	13	1	8%	17	3	18%	-	-	-	1376	282	20%	1615	302	19%	-	-	-
25-39 Years	17	2	12%	10	0	0%	-	-	-	1439	281	20%	1424	224	16%	-	-	-
40-59 Years	17	1	6%	5	0	0%	-	-	-	1485	244	16%	872	121	14%	-	-	-
≥ 60 Years	20	1	5%	2	0	0%	-	-	-	1459	233	16%	287	30	10%	-	-	-
	<b>73</b>	<b>6</b>	<b>8%</b>	<b>77</b>	<b>10</b>	<b>13%</b>	<b>70</b>	<b>0</b>	<b>0%</b>	<b>6,802</b>	<b>1,247</b>	<b>18%</b>	<b>10,573</b>	<b>1,573</b>	<b>15%</b>	<b>3,566</b>	<b>188</b>	<b>5%</b>

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

**Hospital based influenza surveillance**  
**Hospitalwise influenza lab results**  
**Surveillance initiation - December 2013**

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	1339	192	14%	122	70	0	15	46	0	61
CBMCH	Mymensingh*	Oct 2007	1290	185	14%	122	63	0	7	60	0	55
JIMCH	Kishoregonj*†	Sep 2007	2193	411	19%	279	132	0	9	144	0	125
RMCH	Rajshahi	May 2007	1553	145	9%	99	46	0	14	51	0	34
SZRMCH	Bogra	Sep 2007	2205	297	13%	198	99	0	12	92	0	94
LAMB	Dinajpur	Oct 2007	948	88	9%	58	30	0	7	36	0	15
BBMH	Chittagong	Aug 2007	1226	138	11%	102	36	0	13	35	0	54
CoMCH	Comilla	Oct 2007	2604	368	14%	254	113	1	9	122	0	124
KMCH	Khulna	Jul 2007	1426	190	13%	137	53	0	16	73	0	48
JGH	Jessore	Sep 2007	1935	332	17%	223	109	0	10	112	0	101
JRRMCH	Sylhet	Jul 2007	1855	315	17%	204	111	0	16	89	0	99
SBMCH	Barisal	Aug 2007	2367	347	15%	230	114	3	9	108	0	116
			<b>20,941</b>	<b>3,008</b>	<b>14.4%</b>	<b>2,028</b>	<b>976</b>	<b>4</b>	<b>137</b>	<b>968</b>	<b>0</b>	<b>926</b>

† One sample co-infected with both A(H3) and A(H1N1)pdm09

\* One sample will be repeated

**Hospital based influenza surveillance**  
**Influenza seasonality graph**  
**May 2007 - December 2013**

