

## Monthly summary report

# Hospital Based Human Influenza Surveillance in Bangladesh

**March 2016**

**Hospital based influenza surveillance**  
**Monthly hospitalwise influenza lab results**  
**March 2016**

Hospital	District	Sample	Flu	Flu %	Flu A	Flu B	Flu A+B	Flu A/H1	Flu A/H3	Flu A/H5	Flu A/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
DNMCH	Dhaka	13	2	15%	0	2	0	0	0	0	0	2	0
CBMCH	Mymensingh	14	1	7%	0	1	0	0	0	0	0	1	0
JIMCH	Kishoregonj	46	8	17%	1	7	0	0	0	0	1	7	0
RMCH	Rajshahi	21	0	0%	0	0	0	0	0	0	0	0	0
SZRMCH	Bogra	40	2	5%	0	2	0	0	0	0	0	2	0
LAMB	Dinajpur	8	0	0%	0	0	0	0	0	0	0	0	0
BBMH	Chittagong	9	1	11%	1	0	0	0	0	0	1	0	0
CoMCH	Comilla	29	3	10%	0	3	0	0	0	0	0	3	0
KMCH	Khulna	14	0	0%	0	0	0	0	0	0	0	0	0
JGH	Jessore	30	3	10%	0	3	0	0	0	0	0	0	3
JRRMCH	Sylhet	29	3	10%	0	3	0	0	0	0	0	2	1
SBMCH	Barisal	51	4	8%	0	4	0	0	0	0	0	3	1
CMCH	Chittagong	29	2	7%	0	2	0	0	0	0	0	2	0
DjMCH	Dinajpur	19	2	11%	0	2	0	0	0	0	0	2	0
		<b>352</b>	<b>31</b>	<b>9%</b>	<b>2</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>24</b>	<b>5</b>

**Hospital based influenza surveillance**  
**Monthly enrollment by different surveillance groups**  
**March 2016**

Hospital	District	SARI <sup>†</sup>			ILI <sup>‡</sup>			Severe Pneumonia <sup>¥</sup>		
		Sample	Flu	Flu %	Sample	Flu	Flu %	Sample	Flu	Flu %
DNMCH	Dhaka	8	2	25%	-	-	-	5	0	0%
CBMCH	Mymensingh	9	1	11%	-	-	-	5	0	0%
JIMCH	Kishoregonj	20	2	10%	21	6	29%	5	0	0%
RMCH	Rajshahi	16	0	0%	-	-	-	5	0	0%
SZRMCH	Bogra	17	2	12%	18	0	0%	5	0	0%
LAMB	Dinajpur	3	0	0%	-	-	-	5	0	0%
BBMH	Chittagong	4	0	0%	-	-	-	5	1	20%
CoMCH	Comilla	8	1	13%	16	2	13%	5	0	0%
KMCH	Khulna	9	0	0%	-	-	-	5	0	0%
JGH	Jessore	9	2	22%	16	1	6%	5	0	0%
JRRMCH	Sylhet	11	1	9%	13	2	15%	5	0	0%
SBMCH	Barisal	20	4	20%	21	0	0%	10	0	0%
CMCH	Chittagong	24	2	8%	-	-	-	5	0	0%
DJMCH	Dinajpur	14	2	14%	-	-	-	5	0	0%
		<b>172</b>	<b>19</b>	<b>11%</b>	<b>105</b>	<b>11</b>	<b>10%</b>	<b>75</b>	<b>1</b>	<b>1%</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**  
**March 2016**

Age groups	March 2016									Initiation - March 2016								
	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	-	-	-	23	0	0%	62	0	0%	-	-	-	2347	157	7%	4240	161	4%
1-4 Years	-	-	-	25	0	0%	13	1	8%	-	-	-	3710	504	14%	1240	110	9%
5-14 Years	39	7	18%	18	7	39%	-	-	-	1632	304	19%	2045	462	23%	-	-	-
15-24 Years	26	2	8%	16	1	6%	-	-	-	2043	416	20%	1950	363	19%	-	-	-
25-39 Years	17	3	18%	14	1	7%	-	-	-	2105	410	19%	1729	268	16%	-	-	-
40-59 Years	40	1	3%	6	1	17%	-	-	-	2379	408	17%	1096	167	15%	-	-	-
≥ 60 Years	50	6	12%	3	1	33%	-	-	-	2477	406	16%	361	38	11%	-	-	-
	<b>172</b>	<b>19</b>	<b>11%</b>	<b>105</b>	<b>11</b>	<b>10%</b>	<b>75</b>	<b>1</b>	<b>1%</b>	<b>10,636</b>	<b>1,944</b>	<b>18%</b>	<b>13,238</b>	<b>1,959</b>	<b>15%</b>	<b>5,480</b>	<b>271</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 - March 2016**

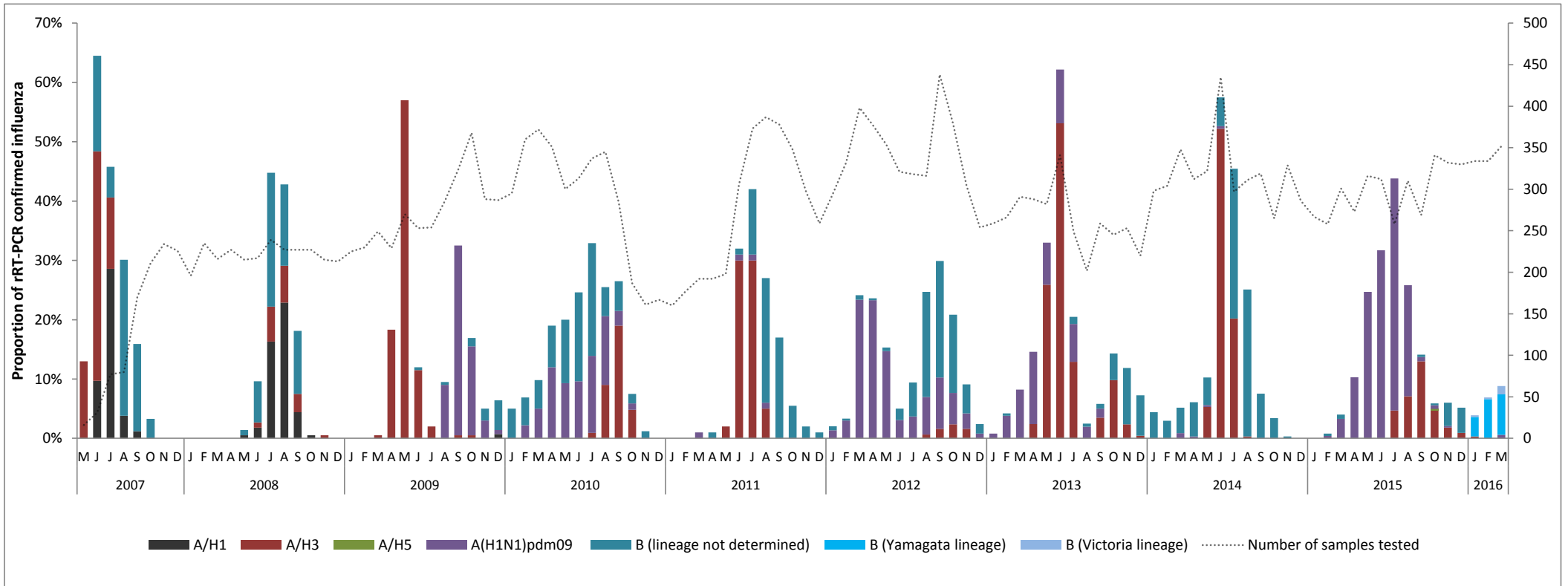
Hospital	District	Initiation	Sample	Flu	Flu %	Flu A	Flu B*	Flu A+B	Flu A/H1	Flu A/H3	Flu A/H5	Flu A/ (H1N1)pdm09	Flu B Yamagata lineage	Flu B Victoria lineage
DNMCH	Dhaka	Jun 2007	1690	248	15%	153	95	0	15	58	0	80	4	0
CBMCH	Mymensingh	Oct 2007	1688	245	15%	170	75	0	7	83	1	79	5	0
JIMCH	Kishoregonj <sup>‡</sup>	Sep 2007	3111	565	18%	380	185	0	9	192	0	178	15	0
RMCH	Rajshahi	May 2007	2033	188	9%	128	60	0	14	64	0	50	0	0
SZRMCH	Bogra <sup>ⓧ</sup>	Sep 2007	3100	457	15%	310	147	0	12	159	0	138	3	0
LAMB	Dinajpur	Oct 2007	1168	112	10%	72	40	0	7	41	0	24	1	0
BBMH	Chittagong	Aug 2007	1429	151	11%	114	37	0	13	39	0	62	1	0
CoMCH	Comilla	Oct 2007	3646	478	13%	312	164	2	9	157	0	148	14	0
KMCH	Khulna	Jul 2007	1813	230	13%	169	61	0	16	92	0	61	0	0
JGH	Jessore	Sep 2007	2701	453	17%	312	141	0	10	160	0	142	1	3
JRRMCH	Sylhet	Jul 2007	2539	413	16%	266	147	0	16	113	0	137	3	2
SBMCH	Barisal	Aug 2007	3535	480	14%	324	153	3	9	152	0	165	4	1
CMCH	Chittagong	Apr 2014	492	78	16%	57	21	0	0	27	0	30	3	1
DJMCH	Dinajpur <sup>ⓧ</sup>	Apr 2014	409	76	19%	53	23	0	0	31	0	21	3	0
			<b>29,354</b>	<b>4,174</b>	<b>14%</b>	<b>2,820</b>	<b>1,349</b>	<b>5</b>	<b>137</b>	<b>1,368</b>	<b>1</b>	<b>1,315</b>	<b>57</b>	<b>7</b>

\* Influenza B typing initiated in January 2016

ⓧ rRT-PCR result of one sample was 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 - March 2016**



\*Influenza B typing initiated in January 2016