

INFLUENZA IN MANITOBA – 2009/2010 SEASON

Abbreviated Report on Cases reported up to 4:00 PM, March 20th, 2010

Pandemic H1N1 (pH1N1) Influenza A information can be found at:

<http://www.gov.mb.ca/health/publichealth/sri/index.html>

The following **abbreviated** report details influenza activity in Manitoba from the start of the 2009/2010 flu season, which runs from July 1, 2009 to June 30, 2010. The public health disease surveillance system of Manitoba Health and Healthy Living received its first laboratory-confirmed positive case of influenza for the season during the week of July 1 to July 4, 2009. This season there have been **1887** laboratory-confirmed cases of Influenza A, of which **1866** were laboratory-confirmed cases of pandemic H1N1 (pH1N1), and **0** lab-confirmed cases of Influenza B in the province. There has been no change in activity since the last complete report dated January 30, 2010.

- Abbreviated reports will be produced during times of low influenza activity with little variation from week to week. Summary tables presenting the number of positive influenza cases are included only.

LABORATORY-CONFIRMED INFLUENZA

- Reports from Cadham Provincial Laboratory (CPL) are forwarded to the public health disease surveillance system of Manitoba Health and Healthy Living weekly.
- The number of positive cultures is an underestimate of the total number of cases, since not all persons with influenza seek medical attention, and of those that do, not all are cultured for the virus.
- Information contained within this update is based on positive lab reports confirmed on or before **March 20th, 2010**. The date the laboratory specimen is taken is used to assign cases to the appropriate week/month.

REPORTS OF INFLUENZA-LIKE ILLNESS OUTBREAKS

- ILI outbreaks are defined as:
Schools and work sites: *greater than 10% absenteeism on any day most likely due to ILI*
Residential institutions: *two or more cases of ILI within a seven-day period, including at least one laboratory confirmed case.*
- These outbreaks of influenza must be accompanied by a positive influenza lab report to be counted. The outbreak-related cases reflected on tables and figures within this report are lab confirmed. Most outbreak-related cases are not lab confirmed.
- As of **March 20th, 2010**, there was one regional outbreak of lab confirmed Influenza A reported to the public health disease surveillance system for the 2009-2010 season (a school in Parkland). No outbreaks of Influenza B have been reported.

For other CDC Branch reports, please view the Manitoba Health & Healthy Living Internet Website:

<http://www.gov.mb.ca/health/publichealth/cdc/surveillance/index.html>

For national surveillance data, refer to:

<http://www.phac-aspc.gc.ca/fluwatch/index/html>

* This report uses the specimen collection date to assign cases to the appropriate week/month. This may not reflect other current statistics, which frequently use the date the disease was lab-confirmed to assign cases. The report date is always later than the specimen date, which will create inconsistencies between reports in the number of cases assigned to each week/month in question.

Table 1: Reported Cases of Influenza A and B by RHA and Week of Specimen Collection, Manitoba 2009/2010

Influenza A (Including pH1N1) - Number of Cases by RHA

RHA	01/07 - 04/07	05/07 - 11/07	12/07 - 18/07	19/07 - 25/07	26/07 - 01/08	02/08 - 08/08	09/08 - 15/08	16/08 - 22/08	23/08 - 29/08	30/08 - 05/09	06/09 - 12/09	13/09 - 19/09	20/09 - 26/09	27/09 - 03/10	04/10 - 10/10	11/10 - 17/10	18/10 - 24/10	25/10 - 31/10	01/11 - 07/11	08/11 - 14/11	15/11 - 21/11	22/11 - 28/11	29/11 - 05/12	06/12 - 12/12	13/12 - 19/12	20/12 - 26/12	27/12 - 02/01	03/01 - 09/01	10/01 - 16/01	17/01 - 23/01	24/01 - 30/01	31/01 - 06/02	07/02 - 13/02	14/02 - 20/02	21/02 - 27/02	28/02 - 06/03	07/03 - 13/03	14/03 - 20/03	TOTAL											
Winnipeg	8	10	5	1	3	2	1	0	2	0	1	0	0	1	5	6	31	105	156	156	149	44	24	17	14	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	751		
Brandon	2	2	0	3	2	2	0	0	1	0	0	0	0	0	0	0	1	7	23	26	31	4	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	
North Eastman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	20	15	28	3	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	
South Eastman	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	1	23	46	39	34	8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	
Interlake	2	1	1	1	0	0	0	0	0	0	0	0	0	0	2	1	2	10	36	30	43	13	11	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156	
Central	0	2	2	0	0	1	1	0	1	0	0	0	0	0	0	4	7	37	67	71	62	13	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	279	
Assiniboine	2	1	1	1	3	0	0	0	1	0	0	0	0	0	1	2	4	12	43	76	57	6	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214
Parkland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	17	21	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	
Norman	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	4	8	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	
Burntwood	6	7	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	9	7	9	6	1	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Churchill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MANITOBA	22*	24	13	7	11	6	2	0	5	0	1	0	0	1	8	14	47	214	408	451	435	95	56	31	18	13	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1887	

* This total only contains cases for July 1-4 – partial week.

Influenza B - Number of Cases by RHA

RHA	01/07 - 04/07	05/07 - 11/07	12/07 - 18/07	19/07 - 25/07	26/07 - 01/08	02/08 - 08/08	09/08 - 15/08	16/08 - 22/08	23/08 - 29/08	30/08 - 05/09	06/09 - 12/09	13/09 - 19/09	20/09 - 26/09	27/09 - 03/10	04/10 - 10/10	11/10 - 17/10	18/10 - 24/10	25/10 - 31/10	01/11 - 07/11	08/11 - 14/11	15/11 - 21/11	22/11 - 28/11	29/11 - 05/12	06/12 - 12/12	13/12 - 19/12	20/12 - 26/12	27/12 - 02/01	03/01 - 09/01	10/01 - 16/01	17/01 - 23/01	24/01 - 30/01	31/01 - 06/02	07/02 - 13/02	14/02 - 20/02	21/02 - 27/02	28/02 - 06/03	07/03 - 13/03	14/03 - 20/03	TOTAL													
Winnipeg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Brandon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
North Eastman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
South Eastman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Interlake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Assiniboine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Parkland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Norman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Burntwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MANITOBA	0*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* This total only contains cases for July 1-4 – partial week.

Influenza A pH1N1 Only - Number of Cases by RHA

RHA	01/07 - 04/07	05/07 - 11/07	12/07 - 18/07	19/07 - 25/07	26/07 - 01/08	02/08 - 08/08	09/08 - 15/08	16/08 - 22/08	23/08 - 29/08	30/08 - 05/09	06/09 - 12/09	13/09 - 19/09	20/09 - 26/09	27/09 - 03/10	04/10 - 10/10	11/10 - 17/10	18/10 - 24/10	25/10 - 31/10	01/11 - 07/11	08/11 - 14/11	15/11 - 21/11	22/11 - 28/11	29/11 - 05/12	06/12 - 12/12	13/12 - 19/12	20/12 - 26/12	27/12 - 02/01	03/01 - 09/01	10/01 - 16/01	17/01 - 23/01	24/01 - 30/01	31/01 - 06/02	07/02 - 13/02	14/02 - 20/02	21/02 - 27/02	28/02 - 06/03	07/03 - 13/03	14/03 - 20/03	TOTAL						
Winnipeg	8	10	4	1	3	2	1	0	2	0	1	0	0	1	5	6	28	104	155	155	148	43	24	17	14	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	741
Brandon	2	2	0	3	2	2	0	0	1	0	0	0	0	0	0	0	1	7	23	26	31	4	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109
North Eastman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	20	13	28	3	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
South Eastman	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	22	46	39	34	8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157
Interlake	2	1	1	1	0	0	0	0	0	0	0	0	0	0	2	1	2	9	36	30	42	13	11	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
Central	0	2	2	0	0	1	1	0	1	0	0	0	0	0	0	4	7	37	65	71	61	13	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276
Assiniboine	2	1	1	1	3	0	0	0	1	0	0	0	0	0	1	2	4	12	42	76	57	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212
Parkland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	17	21	3	3	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	55
Norman	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	4	8	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	
Burntwood	6	7	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	9	7	9	6	1	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Churchill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
MANITOBA	22*	24	12	7	10	6	2	0	5	0	1	0	0	1	8	14	44	211	404	448	432	93	56	31	18	12	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1866		

* This total only contains cases for July 1-4 – partial week.

Table 2: Reported Cases of Influenza A and B by Age Group, in Manitoba 2009/2010

Age Group	Influenza A (Including pH1N1)		Influenza B		Influenza A pH1N1	
	# of cases	% of total	# of cases	% of total	# of cases	% of total
<1 yrs	40	2.1%	0	0.0%	40	2.1%
1-4 yrs	154	8.2%	0	0.0%	152	8.1%
5-9 yrs	260	13.8%	0	0.0%	257	13.8%
10-14 yrs	256	13.6%	0	0.0%	254	13.6%
15-19 yrs	233	12.3%	0	0.0%	231	12.4%
20-24 yrs	213	11.3%	0	0.0%	210	11.3%
25-29 yrs	161	8.5%	0	0.0%	158	8.5%
30-39 yrs	203	10.8%	0	0.0%	201	10.8%
40-49 yrs	184	9.8%	0	0.0%	183	9.8%
50-59 yrs	128	6.8%	0	0.0%	125	6.7%
60-69 yrs	40	2.1%	0	0.0%	40	2.1%
70-79 yrs	12	0.6%	0	0.0%	12	0.6%
>79 yrs	3	0.2%	0	0.0%	3	0.2%
missing	0	0.0%	0	0.0%	0	0.0%
TOTAL	1887	100.0%	0		1866	100.0%