

## Provincial Reporting Requirements for Severe Outcomes Associated with Laboratory Confirmed Influenza: 2018–2019 Season

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### Objective

- Monitor the severity of circulating influenza types/strains in Manitoba
- Describe the characteristics and clinical outcomes
- Guide public health interventions

### Weekly Reporting of Severe Outcomes

The weekly data collection of influenza associated hospitalizations, ICU admissions, and deaths is required in the 2018–2019 influenza season for the provincial seasonal influenza surveillance. This surveillance system has been implemented since the H1N1 pandemic and continues to monitor the severity/burden of illness during an influenza season.

If there is a significant<sup>1</sup> change in the level or severity of influenza activity, please refer to Appendix A for **Enhanced Surveillance for ICU Admissions**.

### Methodology

#### *A.) Surveillance Period*

September 1, 2018 to August 31, 2019

#### *B.) Eligible Cases*

All laboratory-confirmed influenza cases in Manitoba admitted to **a hospital within the reporting region** for at least **an overnight stay or have died** should be reported.

Note that the reason for hospitalization, ICU admission, or cause of death does not have to be attributable to influenza. A positive laboratory test is sufficient for reporting.

#### *C.) Facilities*

All regions are required to report admissions to the below hospitals and ICUs (adult and pediatric) in Manitoba:

1. Health Sciences Centre ICU
2. Children's Hospital ICU
3. St. Boniface ICU
4. Victoria General
5. Grace General
6. Seven Oaks General
7. Concordia General
8. Brandon General Hospital
9. Norway House Hospital
10. Percy E. Moore Hospital

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<sup>1</sup> As determined by provincial Medical Officers of Health, Epidemiologists, and other provincial surveillance personnel.

#### *D.) Data Collection*

Manitoba Health refers all confirmed cases of influenza (regardless of type) to the RHAs according to the following guidelines:

1. Manitoba residents tested within their region of residence:
  - Lab reports will be faxed to the region of residence.
2. Manitoba residents confined to Stony Mountain:
  - Lab reports will be faxed directly to Stony Mountain Institution.
3. Manitoba residents tested outside their region of residence:
  - If a patient is tested outside their region of residence in a doctor's office or clinic, the lab report will be faxed to the region of residence only. Nursing stations are treated as a clinics.
  - If a patient is tested outside their region of residence and testing has occurred in a hospital, the lab report will be faxed to region of residence and a copy faxed to the region of test. *Cancer Care Manitoba is treated as a hospital.*
  - If a patient is tested outside their region of residence and testing has occurred in a **federal hospital** (Norway House Hospital or Percy E Moore Hospital), the lab report will be faxed to region of residence and a copy is faxed to First Nation Inuit Health Branch (FNIHB) regional office located in Winnipeg.
4. **Non-residents** tested positive in a Manitoba hospital:
  - The lab report will be faxed to the province/territory outside Manitoba or to the Public Health Agency of Canada for clients living outside of Canada, and a copy is faxed to the region of test in Manitoba.

The regions are expected to review all positive lab reports and determine if cases have been hospitalized, admitted to an ICU, or have died. The process by which these cases are identified is deferred to the regional health authorities.

#### *E.) Data Submission*

The regions are required to complete a line list that includes hospitalized cases, ICU-admitted cases (where applicable), and deaths on a **weekly** basis. All completed reports should be submitted via the secure online file transfer site at <https://mbhtransfer.mbhealth.ca/> by noon each Wednesday.

To identify these cases with severe outcomes at the provincial level and minimize data errors, within the weekly line list report, regions are asked to include the laboratory requisition number<sup>2</sup>, Personal Health Identification Number (PHIN), and Date of Birth. See the [report template](#) at the Manitoba Health website at <http://www.gov.mb.ca/health/publichealth/surveillance/forms.html> under the heading "Influenza".

#### *F.) Reporting*

Influenza associated hospitalizations, ICU admissions, and deaths will be included in the weekly influenza report and in the end of season report.

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<sup>2</sup> Requisition numbers are provided on the Cadham Provincial Laboratory influenza reports forwarded to regions.

## Appendix A

### Enhanced Surveillance for ICU Admissions Associated with a Positive Laboratory Report of Influenza

If a significant<sup>3</sup> change in the level or severity of influenza activity warrants the implementation of this surveillance component, more detailed information on influenza positive cases admitted to the ICU will allow for characterization of those patients with severe disease. These data are important to:

- Determine whether this influenza season is characteristic of previous non-pandemic seasons
- Detect the potential emergence of novel (and more pathogenic) influenza viruses; target intervention strategies at populations that are experiencing severe clinical outcomes
- Anticipate potential increases in medical resources required for care/treatment

#### Methodology

##### *A.) Surveillance Period*

September 1, 2018 to August 31, 2019

##### *B.) Eligible Cases*

All Manitoba residents with laboratory confirmed influenza admitted to an ICU are to be included.

##### *C.) Facilities*

All cases admitted to all ICUs (adult and pediatric) in Manitoba are eligible:

1. Health Sciences Centre ICU
2. Children's Hospital ICU
3. St. Boniface ICU
4. Victoria General
5. Grace General
6. Seven Oaks General
7. Concordia General
8. Brandon General Hospital
9. Norway House Hospital
10. Percy E. Moore Hospital

##### *D.) Data Collection and Submission*

Winnipeg and Brandon will be asked to complete detailed investigation forms for **all** cases admitted to ICUs. This form will be circulated once this surveillance component is activated. Blank forms will be made available on the Manitoba Health website at <http://www.gov.mb.ca/health/publichealth/surveillance/forms.html> under the heading "Influenza".

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<sup>3</sup> As determined by provincial Medical Officers of Health, Epidemiologists, and other provincial surveillance personnel.

It is required that the ICU case investigation reporting form be completed within 72 hours of receipt of an influenza positive test result (if activity/severity indicates otherwise, an MOH may request expedited follow-up). All completed forms should be submitted to the Manitoba Health's Surveillance unit by confidential fax to **(204)948-3044**.

*E.) Reporting*

Should this program be implemented, enhanced surveillance data on ICU-admitted cases will be included in the end of season influenza report.