

iPHIS QUICK REFERENCE

Outbreak and STD Modules: Entering Point-of-Care Test Results

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Background

Point-of-care (POC) testing includes screening and diagnostic testing performed outside of a clinical laboratory, often at or near where patients receive care.¹⁻² A reactive result from a POC test is reportable to the Medical Officer of Health of the public health unit (PHU) in which the test is conducted if the person administering the test has a duty to report diseases of public health significance (DOPHS) under Section 25 of the *Health Protection and Promotion Act (HPPA)*³. These reactive results may be entered in the integrated Public Health Information System (iPHIS) or any other system specified by the Ministry of Health and Public Health Ontario (PHO), at the discretion of the PHU. Without confirmatory/supplemental testing, reactive results for hepatitis C, HIV or syphilis POC tests do not meet the criteria of a confirmed case. As a result, these iPHIS entries are not included in case counts for the purposes of provincial surveillance and reporting. New drop down menu options specific to POC tests and related result values have been added to the **Resulted Test Code** and **Result** fields in the Lab section of iPHIS.

Note: There are currently no POC tests for which a reactive (positive) result alone meets the confirmed case definition for hepatitis C, HIV or syphilis. Please refer to the [Ontario Public Health Standards](#) and provincial surveillance case definitions for additional information.

iPHIS Modules

- [Outbreak](#)
- [STD](#)

Outbreak Module

Hepatitis C

There are currently no POC tests where a reactive result alone would constitute a confirmed case of hepatitis C in Ontario as per the surveillance case definition outlined in the *Infectious Disease Protocol Appendix 1: Case Definitions and Disease-Specific Information Disease: Hepatitis C*.⁴ This includes reactive results from rapid antibody POC tests (e.g., OraQuick) or positive results from RNA POC tests (e.g., GeneXpert HCV VL Fingerstick).

Note: PHUs are not expected to enter reactive POC test results in iPHIS if it is known that serology has been obtained and results are pending.

Individuals reported to public health with only a reactive POC test result may be entered into iPHIS as follows:

CREATE A CASE

For details on how to create a hepatitis C case, refer to the current iPHIS User Guide – Outbreak Module: Hepatitis C [available on the iPHIS and Cognos Document Repository](#).

CASE DETAILS

On the **Case Details** screen, select the following depending on the type of positive POC test result received:

Antibody test (e.g. OraQuick)

1. **Aetiologic Agent:** 'NOT DEFINED'
2. **Subtype:** Leave blank
3. **Classification:** 'PERSON UNDER INVESTIGATION'
4. **Outbreak Case Classification:** 'PERSON UNDER INVESTIGATION'
5. **Disposition:** 'PENDING'
6. **Status:** 'OPEN'

Aetiologic Agent	◆ NOT DEFINED ▼
Subtype	▼
Further Differentiation	
Classification	◆ PERSON UNDER INVESTIGATION ▼
Outbreak Case Classification	◆ PERSON UNDER INVESTIGATION ▼
Disposition	◆ PENDING ▼
Status	◆ OPEN ▼

RNA test (e.g. GeneXpert)

1. **Aetiologic Agent:** 'PREV. ACQUIRED/UNSPECIFIED HCV; RNA+' or 'NEWLY ACQUIRED HCV; RNA+'
2. **Subtype:** Select as appropriate (if provided)
3. **Classification:** 'PERSON UNDER INVESTIGATION'
4. **Outbreak Case Classification:** 'PERSON UNDER INVESTIGATION'
5. **Disposition:** 'PENDING'
6. **Status:** 'OPEN'

Aetiologic Agent	PREV ACQUIRED/UNSPEC HCV; RNA +
Subtype	
Further Differentiation	
Classification	PERSON UNDER INVESTIGATION
Outbreak Case Classification	PERSON UNDER INVESTIGATION
Disposition	PENDING
Status	OPEN

LAB RESULTS

From the **Cases > Case > Lab** screen, select **Lab Requisition** to access the **Lab Requisition Details** screen. Enter the following under the **Requisition Information** section and select **Save**:



1. **External Source Type:** Enter at the discretion of the PHU.
2. **Source Name:** Enter at the discretion of the PHU.
3. **City:** Enter at the discretion of the PHU.
4. **Requisition date:** Enter the date the test was performed.

Placer Requisition ID			
Responsible Authority	MOHLTC - PHD		
* Enter External Source Type and either Source Name or City for filter			
External Source Type	Source Name	City	Filter
Ordering Provider			
External Number			
Comments			
Lab			
Requisition Date	2024-02-14		
Save New Delete			

Under **Test and Result Summary**, select **Add Test** to access the **Lab Test Details** screen. Enter the following under the **Test Information** section depending on the type of test received and select **Save**:

Antibody test (e.g. OraQuick)

1. **Specimen Type:** 'Blood'
2. **Body Site:** 'Finger-pricked blood'
3. **Test Name:** 'IMMUNOLOGY/SEROLOGY'
4. **Collection Date:** Enter the date the POC test was performed.
5. **Reported Date:** Enter the date the PHU was notified of reactive POC test result. This may be the same as the collection date.

Specimen Type	◆ Blood ▼
Specimen ID	<input type="text"/>
Body Site	◆ Finger-pricked blood ▼
Test Name	◆ IMMUNOLOGY/SEROLOGY ▼
Test Result Status	<input type="text"/>
Collection Date	<input type="text"/> 
Reported Date	<input type="text"/> 
Defining Specimen	<input type="checkbox"/>

RNA test (e.g. GeneXpert)

1. **Specimen Type:** 'Blood'
2. **Body Site:** 'Finger-pricked blood'
3. **Test Name:** 'MOLECULAR METHODS'
4. **Collection Date:** Enter the date the POCT was performed.
5. **Reported Date:** Enter the date the PHU was notified of reactive POC test result. This may be the same as the collection date.

Specimen Type	◆ Blood ▼
Specimen ID	<input type="text"/>
Body Site	◆ Finger-pricked blood ▼
Test Name	◆ MOLECULAR METHODS ▼
Test Result Status	<input type="text"/>
Collection Date	<input type="text"/> 
Reported Date	<input type="text"/> 
Defining Specimen	<input type="checkbox"/>

Under **Results Summary**, select **Add Result** to access the **Lab Result Details** screen. Enter the following under the **Result Information** section and select **Save**:

Antibody test (e.g. OraQuick)

1. **Program Area:** 'CD'
2. **Diagnosis:** 'HEPATITIS C'
3. **Resulted Test Group Code:** 'CD – STI/Bloodborne'
4. **Resulted Test Code:** 'POC – HCV Ab (IgG)'
5. **Result:** 'REACTIVE'
6. **Observation Value:** n/a

Program Area	◆	CD		
Disease/Diagnosis		HEPATITIS C		
Resulted Test Group Code		CD - STI/Bloodborne	Resulted Test Code	POC - HCV Ab (IgG)
Result	◆	REACTIVE		
Assign result to case		4350, 2017-06-22, B18.2, HEPATITIS C		
Observation Value		<input type="text"/>		

RNA test (e.g. GeneXpert)

1. **Program Area:** 'CD'
2. **Diagnosis:** 'HEPATITIS C'
3. **Resulted Test Group Code:** 'CD – STI/Bloodborne'
4. **Resulted Test Code:** 'POC – HCV RNA'
5. **Result:** 'DETECTED'
6. **Observation Value:** Add specific value (i.e., RNA quantitative result) if provided.

Program Area	◆	CD		
Disease/Diagnosis		HEPATITIS C		
Resulted Test Group Code		CD - STI/Bloodborne	Resulted Test Code	POC - HCV RNA
Result	◆	DETECTED		
Assign result to case		4350, 2017-06-22, B18.2, HEPATITIS C		
Observation Value		<input type="text"/>		

STD Module

HIV and Syphilis

There are currently no POC tests where a reactive result alone would constitute a confirmed case of HIV or syphilis in Ontario as per the surveillance case definition outlined in the *Infectious Disease Protocol Appendix 1: Case Definitions and Disease-Specific Information Disease: Acquired Immunodeficiency Syndrome (AIDS) or Disease: Syphilis*.⁵⁻⁶⁷ This includes reactive results from rapid antibody POC test (e.g. INSTI Multiplex HIV-Syphilis Ab Test).

Individuals reported to public health with only a reactive nominal POC test result may be entered into iPHIS as follows:

Note: PHUs are not expected to enter reactive POC test results in iPHIS if it is known that serology has been obtained and results are pending.

CREATE AN ENCOUNTER

For details on how to create a new STD encounter, refer to the current *iPHIS User Guide STD Module HIV/AIDS Cases* or *iPHIS User Guide STD Module Syphilis Cases* that are available on the [iPHIS and Cognos Document Repository](#).

ENCOUNTER DETAILS

On the *Encounter Details* screen, enter the following depending on the type of positive POC test result received:

HIV

1. **Encounter Type:** 'CARRIER'
2. **Encounter Status:** 'OPEN'
3. **Comments:** Enter 'POC test reactive result received'

Encounter Information

Encounter Type	◆ CARRIER ▼
Encounter Status	◆ OPEN ▼
Comments	POC test reactive result received

Syphilis

1. **Encounter Type:** 'CASE'
2. **Encounter Status:** 'OPEN'
3. **Comments:** Enter 'POC test reactive result received'

Encounter Information

Encounter Type	◆ CASE ▼
Encounter Status	◆ OPEN ▼
Comments	POC test reactive result received

DIAG-TREAT

On the *Diag-Treat* screen enter the following depending on the type of positive POC test result received and select **Add**:

HIV

1. **Disease Code:** 'HIV/AIDS'
2. **Status:** 'PERSON UNDER INVESTIGATION'
3. **Date/Time:** Enter the date the POC test was performed.
4. **Aetiologic Agent:** 'HUMAN IMMUNODEFICIENCY VIRUS'

◆ **Disease Code** ◆ **Status** ◆ **Date/Time**

HIV/AIDS ▼ PERSON UNDER INVESTIGATION ▼

◆ **Aetiologic Agent** Subtype

HUMAN IMMUNODEFICIENCY VIRUS ▼

Syphilis

1. **Disease Code:** 'SYPHILIS, UNSPECIFIED'
2. **Status:** 'PERSON UNDER INVESTIGATION'
3. **Date/Time:** Enter the date the POC test was performed.
4. **Aetiologic Agent:** 'TREPONEMA PALLIDUM'

◆ **Disease Code** ◆ **Status** ◆ **Date/Time**

SYPHILIS, UNSPECIFIED ▼ PERSON UNDER INVESTIGATION ▼

◆ **Aetiologic Agent** Subtype

TREPONEMA PALLIDUM ▼

LAB RESULTS

From the **Lab** screen, select **Lab Requisition** to access the **Lab Requisition Details** screen. Enter the following under the **Requisition Information** section and select **Save**:

1. **External Source Type**: Enter at PHU discretion.
2. **Source Name**: Enter at PHU discretion.
3. **City**: Enter at PHU discretion.
4. **Requisition Date**: Enter the date the POC test was performed.

* Enter External Source Type and either Source Name or City for filter

External Source Type	Source Name	City	Filter
<input type="text"/>	<input type="text"/>	<input type="text"/>	

Ordering Provider

External Number

Comments

Lab

Requisition Date

Under **Test and Result Summary**, select **Add Test** to access the **Lab Test Details** screen. Enter the following under the **Test Information** section and select **Save**:

1. **Specimen Type**: 'Blood'
2. **Body Site**: 'Finger-pricked blood'
3. **Test Name**: 'IMMUNOLOGY/SEROLOGY'
4. **Collection Date**: Enter the date the POC test was performed.
5. **Reported Date**: Enter the date the PHU was notified of the reactive POC test result. This may be the same as the collection date.

Specimen Type	<input type="text" value="Blood"/>
Specimen ID	<input type="text"/>
Body Site	<input type="text" value="Finger-pricked blood"/>
Test Name	<input type="text" value="IMMUNOLOGY/SEROLOGY"/>
Test Result Status	<input type="text"/>
Collection Date	<input type="text"/>
Reported Date	<input type="text"/>

Under **Results Summary**, select **Add Result** to access the **Lab Result Details** screen. Enter the following under the **Result Information** section and select **Save**:

HIV

1. **Program Area:** 'STD'
2. **Diagnosis:** 'HIV/AIDS'
3. **Resulted Test Group Code:** 'STD – STI/Bloodborne'
4. **Resulted Test Code:** 'POC – HIV-1/2 Ab'
5. **Result:** 'REACTIVE'

Program Area	◆	STD ▼		
Disease/Diagnosis		HIV/AIDS ▼		
Resulted Test Group Code		STD - STI/Bloodborne ▼	Resulted Test Code	POC - HIV-1/2 Ab ▼
Result	◆	REACTIVE ▼		

Syphilis

1. **Program Area:** 'STD'
2. **Diagnosis:** 'SYPHILIS, UNSPECIFIED'
3. **Resulted Test Group Code:** 'STD – STI/Bloodborne'
4. **Resulted Test Code:** 'POC – T. Pallidum IgG/IgM'
5. **Result:** 'REACTIVE'

Program Area	◆	STD ▼		
Disease/Diagnosis		SYPHILIS, UNSPECIFIED ▼		
Resulted Test Group Code		STD - STI/Bloodborne ▼	Resulted Test Code	POC - T. Pallidum IgG/IgM ▼
Result	◆	REACTIVE ▼		

References

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3. *Health Protection and Promotion Act*, RSO 1990, c H.7. Available from: <https://www.ontario.ca/laws/statute/90h07>
4. Ontario. Ministry of Health. Ontario public health standards: requirements for programs, services and accountability. Infectious disease protocol. Appendix 1: case definitions and disease-specific information. Disease: hepatitis C [Internet]. Toronto, ON: Queen's Printer for Ontario; 2022 [cited 2023 Sep 08]. Available from: <https://files.ontario.ca/moh-ophs-hepatitis-c-en-2022.pdf>
5. Ontario. Ministry of Health. Ontario public health standards: requirements for programs, services and accountability. Infectious disease protocol. Appendix 1: case definitions and disease-specific information. Disease: acquired immunodeficiency syndrome (AIDS) [Internet]. Toronto, ON: King's Printer for Ontario; 2023 [cited 2023 Sep 08]. Available from: <https://files.ontario.ca/moh-infectious-disease-protocol-en-2023.pdf>
6. Ontario. Ministry of Health. Ontario public health standards: requirements for programs, services and accountability. Infectious disease protocol. Appendix 1: case definitions and disease-specific information. Disease: syphilis [Internet]. Toronto, ON: Queen's Printer for Ontario; 2022 [cited 2023 Sep 08]. Available from: <https://files.ontario.ca/moh-ophs-syphilis-en-2022.pdf>

Citation

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