



# Carbapenemase-Producing Organism (CPO) Case Report

Definitions

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For further information on the use of this guideline contact:

[Health.CD@gov.ab.ca](mailto:Health.CD@gov.ab.ca)

Communicable Disease Control Branch

Public Health Division

Primary and Preventative Health Services

Carbapenemase-Producing Organism (CPO) Case Report | Primary and Preventative Health Services, Government of Alberta

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## Revisions

Revision Date	Document Section	Description of Revision
June 2025	General	<ul style="list-style-type: none"><li>• New template</li></ul>
	New Section/fields added	<ul style="list-style-type: none"><li>• Unable to contact</li><li>• Lost to follow-up</li><li>• Section 5 – Where was disease likely acquired?<ul style="list-style-type: none"><li>- Community</li><li>- Healthcare-Associated</li><li>- Healthcare-Acquired</li><li>- Travel/Immigration – outside AB (healthcare related)</li><li>- Travel/Immigration – outside AB (non-healthcare related)</li></ul></li></ul>

# Carbapenemase-Producing Organism Case Report Definitions

The following definitions apply to the [Carbapenemase-Producing Organism Case Report form](#).

<b>Unable to contact</b>	There were attempts to contact the case, or proxy (e.g., next-of-kin), however no direct contact was made. Other sources of information (e.g., electronic database, clinic records, and physician) should be utilized to complete the form.	
<b>Lost to follow-up</b>	An initial contact was made with case or proxy (e.g., next-of-kin), however the investigator was unable to reach the case/proxy subsequently to complete the follow-up. Other sources of information (e.g., electronic database, clinic records, and physician) should be utilized to complete the form.	
<b>Lives on Reserve</b>	Identifies whether the case resides on or off a reserve at the time of diagnosis. This field identifies cases that fall under the Indigenous Services Canada mandate. No = Case does not reside on reserve at diagnosis date Yes = Case resides on reserve at diagnosis date	
<b>Name of Reserve</b>	Name the reserve the case resides at on the diagnosis date.	
<b>Section 1 – Personal Identifiers</b>		
<b>All fields</b>	Refer to <a href="#">Notifiable Disease Report (NDR) Manual</a> for definitions.	
<b>Section 2 – Laboratory and Disease Details</b>		
<b>Organism Identified</b>	List identified organism(s) on laboratory report.	
<b>Carbapenemase Gene</b>	List resistance pattern(s) identified on laboratory report (e.g., NDM, VIM, KPC).	
<b>Date of Diagnosis</b>	This field indicates the date the notifiable disease was diagnosed by laboratory testing.	
<b>Severity</b>	Infection	Presence of CPO from any site with signs and symptoms of a clinical infection.
	Colonization	Presence of CPO from any site without signs and symptoms of clinical infection. Sites may include but are not limited to skin, nose, sputum, urine, stool (rectum), groin, soft tissue or surgical wound.
<b>Test Reason</b>	Screening	Culture done as part of admission protocol.
	Clinical	Culture done as clinically indicated (due to suspicion of infection).
<b>Fatal</b>	If client deceased, enter date of death and select appropriate box to reflect cause of death.	
<b>Section 3 – Site Details</b>		
<b>Current Inpatient</b>	Is client admitted to an acute care facility? Indicate No or Yes.	
<b>Long Term Care Resident</b>	Has the client been a resident of a long term care facility in the last 12 months? Indicate No or Yes. If Yes, indicate if client is a current resident/has been a resident in the past 12 months.	
<b>List all admissions to acute care and/or long term care facilities in last 12 months in Canada</b>	List in order beginning with the current or most recent admission and provide admission and discharge dates for all admission to both acute and long-term care facilities in Canada within the last 12 months.	
<b>Section 4 – Exposure History</b>		
<b>1. (a) Never left Alberta in the last 12 months</b>	Select if client has not left Alberta in the last 12 months and proceed to Question 3.	
<b>(b) Immigrated to Alberta in the last 12 months</b>	Select if client moved to Alberta from another province or country in the last 12 months. Enter country/province of origin, date of arrival in Alberta and proceed to Question 2.	
<b>(c) Travel outside of Alberta in the last 12 months</b>	Select if client has travelled outside of Alberta in the last 12 months and complete travel details with country/province(s) of travel and date(s) of arrival and departure from location(s). Then proceed to Question 2.	
<b>2. (a) During residence or travel outside of Alberta was case hospitalized?</b>	Was client hospitalized during residence or travel outside of Alberta in the last 12 months? Indicate No or Yes. If No proceed to Question 3. If Yes, proceed to Question 2 (b)	

<b>(b) Reason for hospitalization</b>	Medical Tourism	Case had intentionally traveled to another destination to receive scheduled medical care (e.g. dental work, plastic surgery).
	Returning Military Member	A member of the Canadian Forces that has received medical care while posted/stationed outside of Alberta.
	Unexpected Hospitalization	Case had unexpected medical needs requiring hospitalization during travel outside of Alberta (e.g. accident, heart attack).
	Other	Select if reason is not one of the above and provide details.
<b>3. Epi-Linked to confirmed case?</b>	Refer to <a href="#">Notifiable Disease Report (NDR) Manual</a> for definition. If Yes, provide full name of epidemiologically-linked case or CDOM DI#.	
<b>4. Outbreak Associated</b>	Refer to <a href="#">Notifiable Disease Report (NDR) Manual</a> for definition.	
<b>5. Was the case a contact of a traveller in last 12 months?</b>	Indicate if client had contact with a traveller in the last 12 months. Select No or Yes. If Yes, provide travel details of the traveller.	
<b>Section 5 – Where was disease likely acquired?</b>		
<b>6. Community</b>	Case has NO admissions to acute care and no health care encounters in the past 12 months, such as: <ul style="list-style-type: none"> <li>• surgical procedure</li> <li>• peritoneal dialysis</li> <li>• hemodialysis</li> <li>• indwelling catheter OR medical device that is externally exposed and can be manipulated on a regular basis</li> <li>• resident of a long-term care facility</li> </ul>	
<b>7. Healthcare-Associated</b>	CPO was <b>NOT</b> likely acquired during current admission but at some previous healthcare encounter in the past 12 months. These encounters may include previous admissions to: <ul style="list-style-type: none"> <li>• acute care facilities</li> <li>• surgical procedure</li> <li>• peritoneal dialysis</li> <li>• hemodialysis</li> <li>• indwelling catheter or medical device that is externally exposed and can be manipulated on a regular basis</li> <li>• resident of a long-term care facility</li> </ul>	
<b>8. Healthcare-Acquired</b>	CPO was acquired during current admission. <ul style="list-style-type: none"> <li>• CPO infection/colonization must be identified at least 48 hours after admission to acute care facility.</li> <li>• Cases may be epi-linked to cases in current facility.</li> </ul>	
<b>9. Travel related (healthcare related)</b>	<ul style="list-style-type: none"> <li>• The organism was acquired outside of Alberta in the past 12 months.</li> <li>• This is the result of hospitalization/healthcare associated outside of Alberta.</li> <li>• Includes immigration-related acquisitions.</li> </ul>	
<b>10. Travel related (non-healthcare related)</b>	<ul style="list-style-type: none"> <li>• The organism was acquired outside of Alberta in the past 12 months.</li> <li>• This is NOT the result of hospitalization/healthcare associated outside of Alberta.</li> <li>• Includes immigration-related acquisitions.</li> </ul>	
<b>Section 6 – Additional Information/Reporting</b>		
<b>All fields</b>	Refer to <a href="#">Notifiable Disease Report (NDR) Manual</a> for definitions.	