

# Carbapenem-Resistant Organisms

## Revision Dates

Case Definition	March 2013
Reporting Requirements	March 2013

## Case Definition

### Confirmed Case

Laboratory confirmation of a carbapenemase by molecular methods in any carbapenem non-susceptible<sup>[1]</sup> *Enterobacteriaceae* or *Acinetobacter*.

### Probable Case

*Enterobacteriaceae*

Laboratory confirmation of a carbapenemase by secondary phenotypic testing in any ertapenem and/or meropenem and/or imipenem non-susceptible<sup>[1]</sup> isolate.

*Acinetobacter* species

Laboratory confirmation of an isolate that is non-susceptible<sup>[1]</sup> to imipenem and/or meropenem. Secondary phenotypic testing is not required for *Acinetobacter*.

<sup>[1]</sup> Non-susceptible includes intermediate and complete resistance to the carbapenems according to the most current Clinical and Laboratory Standards Institute (CLSI) interpretive breakpoint guidelines.

## Reporting Requirements

### 1. Physicians/Health Practitioners and others

Physicians, health practitioners and others listed in Sections 22(1) or 22(2) of the *Public Health Act* shall notify the Medical Officer of Health (MOH) (or designate) of all confirmed and probable cases by the fastest means possible (FMP) i.e., direct voice communication.

### 2. Laboratories

Section 15(1)(b) of the *Public Health Act*, requires that all laboratories, including regional laboratories and the Provincial Laboratory for Public Health (ProvLab), shall report all positive laboratory identification of *Acinetobacter* that is intermediate or resistant to carbapenems and all positive secondary phenotypic laboratory results for *Enterobacteriaceae* by FMP to the:

- CMOH (or designate),
- MOH (or designate),
- Infection Prevention and Control (if relevant) and
- Attending/ordering physician or health practitioner.

### 3. Alberta Health Services and First Nations Inuit Health Branch

- The MOH (or designate) shall notify the CMOH (or designate) by the FMP of all confirmed and probable cases.
- The MOH (or designate) shall forward the preliminary Carbapenem-Resistant Organism (CRO) report form of all confirmed and probable cases to the CMOH (or designate) within seven days (one week) of notification and the final CRO report form within two weeks of notification.