

# Central Line-Associated Primary Bloodstream Infection (CLI)



**OUR STATUS**



At or better than target.  
Continue to monitor.



Within 5% of target. Monitor  
and take action as appropriate.



Below target by more than 5%.  
Take action and monitor progress.



No target identified  
or available.

## WHAT IS BEING MEASURED?

The rate is determined by the total number of newly diagnosed central line infections (CLI) of the bloodstream after at least 48 hours of receiving a central line divided by the number of central line days in that month, multiplied by 1000. Central line days are the number of days a central line was used in ICU patients 18 years of age or older.

## WHY IS THIS IMPORTANT?

Patients may require a central line when blood, fluid replacement and/or nutrition is given intravenously. Central lines also allow healthcare providers to monitor fluid status and make determinations about the heart and blood. Central lines disrupt the integrity of the skin, making infection possible. Central line-associated primary bloodstream infections occur when a central venous catheter (or "line") placed into a patient's vein gets infected. This happens when bacteria grow in the line and spread to the patient's bloodstream.

## WHAT IS THE TARGET?

Bluewater Health aims to have no incidence of CLI.

## HOW ARE WE DOING?

There was no incidence of CLI during the last quarter, between July and September 2017.

## WHAT ACTIONS ARE WE TAKING?

Bluewater Health participated in Safer Healthcare Now's CLI Prevention Strategy and has implemented all of the associated 'central line bundles' – evidence-based practices that reduce the incidence of CLI.

| Quarter             | CLI Rate per 1000 Central Line Days | Number of New Hospital Acquired CLI Cases |
|---------------------|-------------------------------------|---|
| Q2: Jul – Sept 2016 | 0                                   | 0   |
| Q3: Oct – Dec 2016  | 0                                   | 0   |
| Q4: Jan – Mar 2017  | 0                                   | 0   |
| Q1: Apr – Jun 2017  | 0                                   | 0   |
| Q2: Jul – Sept 2017 | 0                                   | 0   |

Preferred trend/  
direction



Any patient that develops a central line bloodstream infection in the ICU is investigated for anything that might have contributed to that infection.

## WHERE CAN I LEARN MORE ABOUT THIS MEASURE?

- MOHLTC [see website](#)
- OHA [see website](#)
- Contact us

**FREQUENCY REPORTED:** Quarterly

**NEXT UPDATE:** January 2018