

What are the Goals for CLABSI Quality Improvement Session?

Daniel VanderEnde MD, MPH, DTM&H

Medical Officer, International Infection Control Program, CDC, Atlanta

**HAI Network PI Meeting – 7th August 2019
Delhi, India**

- ❑ 1. Answer question - What is Quality Improvement?
- ❑ 2. Learn about QI process by doing
- ❑ 3. Share results of process
- ❑ 4. Choose ideas that you can use to decrease CLABI rates.

What is Quality Improvement?

Quality improvement (QI) in public health is the use of a **deliberate** and **defined** process which is focused on activities that are responsive to community needs and improving population health.

(Source: **Defining Quality Improvement in Public Health** Riley, William J. PhD; Moran, John W. PhD, MBA, CQIA, CQM, CMC; Corso, Liza C. MPA; Beitsch, Leslie M. MD, JD; Bialek, Ronald MPP; Cofsky, Abbey

PDSA Cycle

The basic structure for QI projects



PDSA Cycle

The basic structure for QI projects



Step 1: Plan – Plan changes aimed at improvement using information from root cause analysis.

PDSA Cycle

The basic structure for QI projects



Step 1: Plan – Plan changes aimed at improvement using information from root cause analysis.

Step 2: Do - Try out the test on a small scale.

PDSA Cycle

The basic structure for QI projects



Step 1: Plan – Plan changes aimed at improvement using information from root cause analysis.

Step 2: Do - Try out the test on a small scale.

Step 3: Study – Analyze the data and compare the results to your predictions.

PDSA Cycle

The basic structure for QI projects



Step 1: Plan – Plan changes aimed at improvement using information from root cause analysis.

Step 2: Do - Try out the test on a small scale.

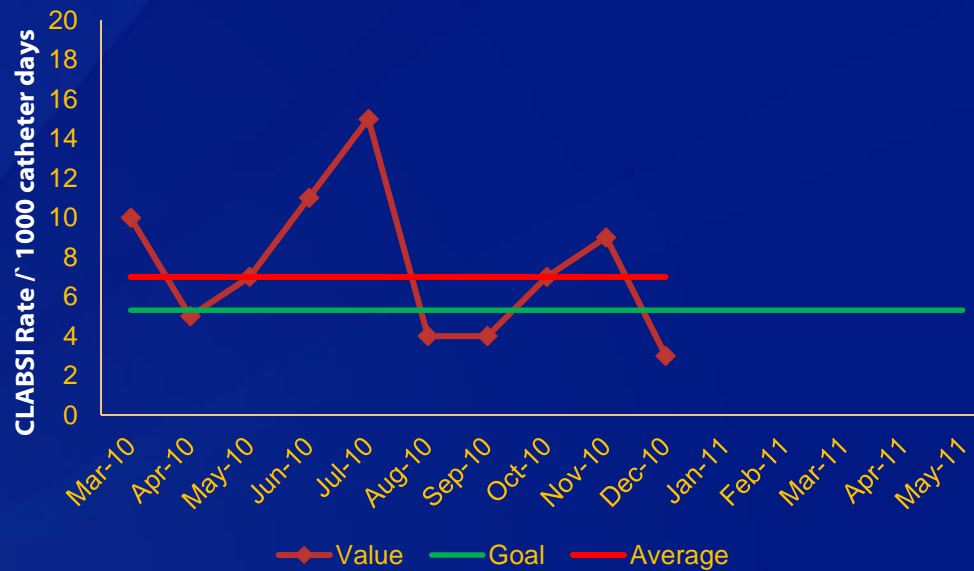
Step 3: Study – Analyze the data and compare the results to your predictions.

Step 4: Act - Make changes based on what was learned.

What ideas will you be looking for to share?

What can be done to improve patient outcomes (CLABSI rates)?

CLABSI Run Chart for ICU in Hospital
X



How can things be more efficient?

- Are there ways you can see staff time being used efficiently?
- Can you use less resources
- Can you reduce waste
- Do you have redundant systems that can be streamlined ?

What can be done to decrease costs?

- Staff time
- Material resources
- Medications
- Laboratory costs
- Time savings
- Prevention of illness
- Other



What problems can you proactively identify ?



What can you do to improve communication?

**Did you
wash them?**



Hand washing prevents disease.

