**Reducing C.L.A.B.S.I.: SYSTEM Tracer**

Begin with Large Group General Questions:

1. Describe your surgical and then medical process related to the prevention of C.L.A.B.S.I.
2. Create questions that come from synthesized Strengths, Weaknesses, Opportunities, Threats (S.W.O.T.) analysis related to the A.E.
3. Can you share current state policies, protocols, and standards specific to central line use?
4. Describe the areas in your hospital that have high volume of central line catheter use.
5. What education is provided to all surgical/medical staff disciplines? M.D.s, Nursing, Nursing Care Assistants, Anesthesia, etc.
6. Describe the patient care areas that you would like to trace. (For example, E.D. to O.R. to Surgical and Medical I.C.U.), Dialysis Patients, and/or Burn Patients.
7. Do you have all staff involved in the tracer or group sessions that you would like to have? (Infection Control, Epidemiologist, Micro Lab, Surgical and Anesthesia Techs, I.C.U .nursing, Hospitalists, Surgeon, Internal Medicine physician, Emergency Room representative).

| **Central Line Associated B.S.I. System Tracer** | **Sample Tracer Observations/Questions:** | **Comments/Notes while tracing:** |
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| C.L.A.B.S.I. data over last three years | 1. What is your baseline data? 2. What solutions have been tried to achieve this data? 3. Ask the hospital to describe their performance improvement process: Stakeholder analysis, High Level Map, Defining the Problems: Root Cause/s for Infections, Data Collection Process, Solutions generated that target root cause, Monitoring and Reporting Process, Leadership strategic priority, Accountability 4. Are unit staff aware of the C.L.A.B.S.I.data on their units? |  |
| Patient Entry Points to the Hospital  (The team will identify all patient entry points and ascertain whether or not central venous catheters are inserted or cared for—inter-hospital transfers, air transport, ground transport, other hospital related critical care entry points) | 1. Describe your process for central line decision. 2. Describe your training re C.L.A.B.S.I. 3. Do you use a standardized protocol for insertion? Removal? 4. Does the protocol describe routine maintenance and care? (Scrub the Hub) 5. Does the protocol describe when to discontinue the central line? 6. Do you use colored caps or markings as alerts? 7. Do you have a scheduled routine for tubing changes? 8. Are daily bedside huddles occurring to review central line issues? 9. Do you receive information or feedback about your patients who experience a C.L.A.B.S.I.? How does that happen? 10. What would you recommend that your team do differently to avoid C.L.A.B.S.I.? |  |
| I.C.U. or Step-down unit Care and Treatment  Dialysis Patients  Burn Patients | 1. Describe your process for central line decision. 2. Describe your training regarding C.L.A.B.S.I. prevention. 3. Do you use a standardized protocol for central line insertion? Removal? 4. Who in your hospital is certified to insert central lines? 5. Does the protocol describe routine maintenance and care? Who provides that and how are they trained? 6. Does the protocol describe when to discontinue the central line? 7. What do you do to prevent C.L.A.B.S.I.? 8. Do you have daily “lines” rounds or huddles? 9. Do you receive information or feedback about your patients who experience a C.L.A.B.S.I.? How does that happen? 10. What would you recommend that your team do differently to avoid a C.L.A.B.S.I.? |  |
| Policies and Procedures | 1. What policies and procedures are in place to prevent C.L.A.B.S.I.? 2. Describe the management and updating of policies. When was the policy last updated? 3. Are evidence based strategies applied to each policy? 4. Are leaders and physicians engaged in reducing C.L.A.B.S.I.? Describe their engagement. |  |
| Infection Control | 1. Describe the hospital data for C.L.A.B.S.I .What are the trends? Who reviews the trends? What are the actions related to the trends? 2. Describe the hospital reporting process. 3. How is feedback provided to the disciplines? 4. What collaborative work has been done to standardize care, treatment and prevention strategies? 5. What recommendations for change do you have? 6. Describe your hand washing process, data collection, and data results. |  |
| Patient | 1. How has the patient been prepared for this? Describe the insertion and removal preparation of the patient. 2. Who is preparing the patient for this and how are they trained? 3. Does the patient report any unusual signs and symptoms? If yes, what are they? 4. What teaching materials are used with the patient and family? |  |

The team will complete key findings and themes from the tracer and then begin building a high-level process map inclusive of risk points for each step in the process. Please refer to the “How To” guides on the J.C.R. H.E.N.’s website in the toolkit section and talk with your J.C.R. consultant about the team’s tracer.

**Reducing C.L.A.B.S.I.: PATIENT Tracer**

Complete the System tracer first, and then identify a patient with a central line. The purpose of the patient tracer is to assess if the organization’s protocols and policies for caring for a patient with a central line are in actually being used.

| **Central Line Associated B.S.I. Patient Tracer** | **Sample Tracer Observations/Questions:** | **Comments/Notes while tracing:** |
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| Patient with a central line | Review the medical record:   1. How long has the patient had a central line? Is this their first central line or have they had others? 2. Is there rational for location (especially if femoral vein)? 3. Can you tell if a catheter checklist used at time of insertion to assure protocol was followed? 4. Is there evidence of:    1. Hand hygiene adherence (observe care)    2. Daily review of line necessity documented?    3. Documented adherence to daily care of insertion site and line, according to hospital protocol?    4. Bedside huddles occurring and who is participating?   Observe the patient:   * + - 1. Is the site clean and well-dressed?       2. Is the line secured in place?       3. Is the patient/family aware of precautions to take related to the central line?       4. Ask the patient about how staff take care of the central line.       5. Ask a nurse to describe the standard of care of the line (dressing changes, scrub the hub, daily necessity rounds, etc.).       6. Does the patient or their family have any recommendations for improvement? |  |

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