# NPSA Matching Michigan: Monthly Data Collection Form

Month:

| CVC-BSI | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Step 1** | **Step 2** | | **Step 3** | **Step 4: Likely location of acquisition (select one only i.e. Pre-ICU acquired or ICU acquired)** | | | | | | **Step 6** |
| **Patient Identifier** | **Evidence of Infection (select one only)** | | **CVC in situ** within 48 hours of evidence of infection | **Pre-ICU acquired** (select **one only** by entering '1' in the column) | | | **ICU acquired** (select **one only** by entering '1' in the column) | | | Other Data offered? |
| | | | | **Step 5: Level of evidence** | | | **Step 5: Level of evidence** | | | |
| (enter ID e.g. NHS number, local audit only) | Clinical Only (**Blood cultures negative**) (enter 'YES' to confirm) | **Blood culture positive** (please name organism) | (enter 'YES' to confirm) | Suspected (Clinical criteria positive but blood culture negative) | Associated (C**A**BSI definition) | Related (C**R**BSI definition) | Suspected (Clinical criteria positive but blood culture negative) | Associated (C**A**BSI definition) | Related (C**R**BSI definition) | (e.g. CVC type?) |
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| **Declare Monthly Totals** | | | | | | | | | | |

| CVC Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day of the month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | **Total** |
| Number of **patients** in the unit at time of data collection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Declare Monthly totals for CVC days** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Day of the month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | **Total** |
| Number of **patients** with 1 or more CVCs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total number of **CVCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Published 27 January 2010

**Submit monthly totals via RICC tool by 15th of each month.**

*Continuation sheet*

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## DEFINITIONS FOR BLOOD STREAM INFECTION, CATHETER-LINKED INFECTION, AND CENTRAL VENOUS CATHETER

### LABORATORY-CONFIRMED BLOOD STREAM INFECTION [1] *must meet at least one of the two criteria below*

| | |
|---|---|
| Criterion 1 | • Patient has one or more recognized pathogens cultured from ≥1 blood culture |
| Criterion 2 | If the microorganism is a common skin organism (ie, diphtheroids [Corynebacterium spp], Bacillus [not B anthracis] spp, Propionibacterium spp, coagulase-negative staphylococci [(CNS), excludes sensitive Staph aureus], viridans group streptococci, Aerococcus spp, Micrococcus spp), *then...*<br>• It must have been cultured from 2 or more blood cultures drawn on separate occasions, or from one blood culture in a patient in whom antimicrobial therapy has been started, *and*<br>• Patient has ≥1 of the following: fewer of >38˚C, chills, or hypotension [2] |

### CATHETER-ASSOCIATED BLOOD STREAM INFECTION (CABSI) [2]

| | |
|---|---|
| Criterion | • One of the criteria for BSI above, *and*<br>• The presence of one or more central venous catheters at the time of the blood culture, or up to 48 hrs following removal of the CVC *and*<br>• The signs & symptoms & positive laboratory results including pathogen cultured from the blood are not primarily related to an infection at another site. |

### CATHETER-RELATED BLOOD STREAM INFECTION (CRBSI)[2]

| | |
|---|---|
| Criterion | • One of the criteria for BSI above, *and*<br>• The presence of one or more central venous catheters at the time of the blood culture, or up to 48 hrs following removal of the CVC, *and*<br>• One of the following:<br>i. a positive semiquantitative (>15 CFU/catheter segment) or quantitative (>$10^3$ CFU /ml or >$10^3$ CFU/catheter segment) culture whereby the same organism (species and antibiogram) is isolated from blood sampled from the CVC or from the catheter tip, and peripheral blood;<br>ii. simultaneous quantitative blood cultures with a >5:1 ratio CVC versus peripheral. |

### CATHETER-SUSPECTED BLOOD STREAM INFECTION

| | |
|---|---|
| Criterion | • NEGATIVE blood cultures in the presence of parenteral antimicrobials, *and*<br>• Clinical evidence of a systemic response to infection, *and*<br>• Clinical condition improves following removal of CVC, *and*<br>• No other likely source of infection |

### CENTRAL VENOUS CATHETER (CVC)

| | |
|---|---|
| Criterion | • An intravascular device terminating in one of the great veins or pulmonary artery, including those in, or near, the right atrium, and those inserted via a femoral vein.<br>• Includes PICCs, haemodialysis catheters, parenteral nutrition catheters |

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