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# Primary Bloodstream Infection (BSI)

*required for saving   **required for completion

| | |
|---|---|
| Facility ID: | Event #: |
| *Patient ID: | Social Security #: |
| Secondary ID: | Medicare #: |
| Patient Name, Last: | First:                              Middle: |
| *Gender:  F   M   Other | *Date of Birth: |
| Ethnicity (Specify): | Race (Specify): |
| *Event Type: BSI | *Date of Event: |
| Post-procedure BSI:    Yes     No | Date of Procedure: |
| NHSN Procedure Code: | ICD-9-CM Procedure Code: |

*MDRO Infection Surveillance:

☐ Yes, this infection's pathogen & location are in-plan for Infection Surveillance in the MDRO/CDI Module

☐ No, this infection's pathogen & location are **not** in-plan for Infection Surveillance in the MDRO/CDI Module

| | |
|---|---|
| *Date Admitted to Facility: | *Location: |

## Risk Factors

| | |
|---|---|
| *If ICU/Other locations, Central line:   Yes   No | **Check all that apply:**<br>Yes☐ No☐ *Any hemodialysis catheter present |
| *If Specialty Care Area/Oncology, | Yes☐ No☐ *Extracorporeal life support present (ECLS or ECMO) |
| Permanent central line:        Yes   No<br>Temporary central line:        Yes   No | Yes☐ No☐ *Ventricular-assist device (VAD) present |
| *If NICU, Central line, including umbilical catheter<br>Yes   No<br><br>Birth weight (grams) | **Check all that apply**: If any option(s) from below are checked 'Yes', then mark the "Central Line" risk factor field 'No' if an eligible central line was also in place.<br><br>Yes☐ No☐ Known or suspected Munchausen Syndrome by Proxy during current admission<br>Yes☐ No☐ Observed or suspected patient injection into vascular line(s) within the BSI infection window period<br>Yes☐ No☐ Epidermolysis bullosa during current admission<br>Yes☐ No☐ Matching organism is identified in blood and from a site-specific specimen, both collected within the infection window period and pus is present at one of the following vascular sites from which the specimen was collected:<br>☐ Arterial catheter<br>☐ Arteriovenous fistula<br>☐ Arteriovenous graft<br>☐ Atrial lines (Right and Left)<br>☐ Hemodialysis reliable outflow (HERO) catheter<br>☐ Intra-aortic balloon pump (IABP) device<br>☐ Non-accessed central line (not accessed nor inserted during the admission)<br>☐ Peripheral IV or Midline catheter<br>Location of Device Insertion: _____<br><br>Date of Device Insertion: ___ /___ /_____ |

## Event Details
*Specific Event: Laboratory-confirmed
*Specify Criteria Used:
Signs & Symptoms (check all that apply)

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| Any Patient | ≤ 1 year old | Underlying conditions for MBI-LCBI (check all that apply): |
|---|---|---|
| ☐ Fever | ☐ Fever | ☐ Allo-SCT with Grade ≥ 3 GI GVHD |
| ☐ Chills | ☐ Hypothermia | ☐ Allo-SCT with diarrhea |
| ☐ Hypotension | ☐ Apnea | ☐ Neutropenia (WBC or ANC < 500 cells mm$^3$) |
| | ☐ Bradycardia | |
| | | Laboratory (check one) |
| | | ☐ Recognized pathogen from one or more blood cultures |
| | | ☐ Common commensal from ≥ 2 blood cultures |

| **Died:  Yes   No** | **BSI Contributed to Death:  Yes   No** |
|---|---|
| Discharge Date: | *Pathogens Identified:     Yes   No          *If Yes, specify on pages 2-3. |

| Pathogen # | Gram-positive Organisms | | | | | | |
|---|---|---|---|---|---|---|---|
| _____ | *Staphylococcus* coagulase-negative <br><br>(specify species if available): <br><br>_____ | **VANC** <br> S I R N | | | | | |
| _____ | ____*Enterococcus faecium* <br><br> ____*Enterococcus faecalis* <br><br> ____*Enterococcus* spp. <br> (Only those not identified to the species level) | **DAPTO** <br> S NS N | **GENTHL**§ <br> S R N | **LNZ** <br> S I R N | **VANC** <br> S I R N | | |
| _____ | *Staphylococcus aureus* | **CIPRO/LEVO/MOXI** <br> S I R N <br><br> **OX/CEFOX/METH** <br> S I R N | **CLIND** <br> S I R N <br><br> **RIF** <br> S I R N | **DAPTO** <br> S NS N <br><br> **TETRA** <br> S I R N | **DOXY/MINO** <br> S I R N <br><br> **TIG** <br> S NS N | **ERYTH** <br> S I R N <br><br> **TMZ** <br> S I R N | **GENT** <br> S I R N <br><br> **VANC** <br> S I R N |

**LNZ** appears after GENT in Staphylococcus aureus row: **LNZ** S R N

| Pathogen # | Gram-negative Organisms | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| _____ | *Acinetobacter* <br>(specify species) <br><br> _____ | **AMK** <br> S I R N <br><br> **GENT** <br> S I R N <br><br> **TMZ** <br> S I R N | **AMPSUL** <br> S I R N <br><br> **IMI** <br> S I R N <br><br> **TOBRA** <br> S I R N | **AZT** <br> S I R N <br><br> **MERO/DORI** <br> S I R N | **CEFEP** <br> S I R N | **CEFTAZ** <br> S I R N <br><br> **PIP/PIPTAZ** <br> S I R N | **CIPRO/LEVO** <br> S I R N | **COL/PB** <br> S I R N <br><br> **TETRA/DOXY/MINO** <br> S I R N |
| _____ | *Escherichia coli* | **AMK** <br> S I R N <br><br> **CEFTAZ** <br> S I R N <br><br> **ERTA** <br> S I R N <br><br> **TIG** <br> S I R N | **AMP** <br> S I R N <br><br> **CEFUR** <br> S I R N <br><br> **GENT** <br> S I R N <br><br> **TMZ** <br> S I R N | **AMPSUL/AMXCLV** <br> S I R N <br><br> **CEFOX/CETET** <br> S I R N <br><br> **IMI** <br> S I R N <br><br> **TOBRA** <br> S I R N | **AZT** <br> S I R N <br><br> **CIPRO/LEVO/MOXI** <br> S I R N <br><br> **MERO/DORI** <br> S I R N | **CEFAZ** <br> S I R N <br><br> **COL/PB**† <br> S R N <br><br> **PIPTAZ** <br> S I R N | **CEFEP** <br> S I/S-DD R N <br><br> **TETRA/DOXY/MINO** <br> S I R N | **CEFOT/CEFTRX** <br> S I R N |
| _____ | *Enterobacter* <br>(specify species) <br><br> _____ | **AMK** <br> S I R N <br><br> **CEFTAZ** <br> S I R N <br><br> **ERTA** <br> S I R N <br><br> **TIG** <br> S I R N | **AMP** <br> S I R N <br><br> **CEFUR** <br> S I R N <br><br> **GENT** <br> S I R N <br><br> **TMZ** <br> S I R N | **AMPSUL/AMXCLV** <br> S I R N <br><br> **CEFOX/CETET** <br> S I R N <br><br> **IMI** <br> S I R N <br><br> **TOBRA** <br> S I R N | **AZT** <br> S I R N <br><br> **CIPRO/LEVO/MOXI** <br> S I R N <br><br> **MERO/DORI** <br> S I R N | **CEFAZ** <br> S I R N <br><br> **COL/PB**† <br> S R N <br><br> **PIPTAZ** <br> S I R N | **CEFEP** <br> S I/S-DD R N <br><br> **TETRA/DOXY/MINO** <br> S I R N | **CEFOT/CEFTRX** <br> S I R N |
| _____ | ____*Klebsiella pneumonia* <br><br> ____*Klebsiella oxytoca* | **AMK** <br> S I R N <br><br> **CEFTAZ** <br> S I R N <br><br> **ERTA** <br> S I R N <br><br> **TIG** <br> S I R N | **AMP** <br> S I R N <br><br> **CEFUR** <br> S I R N <br><br> **GENT** <br> S I R N <br><br> **TMZ** <br> S I R N | **AMPSUL/AMXCLV** <br> S I R N <br><br> **CEFOX/CETET** <br> S I R N <br><br> **IMI** <br> S I R N <br><br> **TOBRA** <br> S I R N | **AZT** <br> S I R N <br><br> **CIPRO/LEVO/MOXI** <br> S I R N <br><br> **MERO/DORI** <br> S I R N | **CEFAZ** <br> S I R N <br><br> **COL/PB**† <br> S R N <br><br> **PIPTAZ** <br> S I R N | **CEFEP** <br> S I/S-DD R N <br><br> **TETRA/DOXY/MINO** <br> S I R N | **CEFOT/CEFTRX** <br> S I R N |

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| Pathogen # | Gram-positive Organisms | | | | | | |
|---|---|---|---|---|---|---|---|
| _____ | *Staphylococcus* coagulase-negative<br><br>(specify species if available):<br>_____ | **VANC**<br>S I R N | | | | | |
| _____ | ____*Enterococcus faecium*<br><br>____*Enterococcus faecalis*<br><br>____*Enterococcus* spp.<br>(Only those not identified to the species level) | **DAPTO**<br>S NS N | **GENTHL**§<br>S R N | **LNZ**<br>S I R N | **VANC**<br>S I R N | | |
| _____ | *Staphylococcus aureus* | **CIPRO/LEVO/MOXI**<br>S I R N<br><br>**OX/CEFOX/METH**<br>S I R N | **CLIND**<br>S I R N<br><br>**RIF**<br>S I R N | **DAPTO**<br>S NS N<br><br>**TETRA**<br>S I R N | **DOXY/MINO**<br>S I R N<br><br>**TIG**<br>S NS N | **ERYTH**<br>S I R N<br><br>**TMZ**<br>S I R N | **GENT**<br>S I R N<br><br>**VANC**<br>S I R N |

*S. aureus* row also includes **LNZ** S R N.

| Pathogen # | Gram-negative Organisms | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| _____ | *Acinetobacter*<br>(specify species)<br>_____ | **AMK**<br>S I R N<br><br>**GENT**<br>S I R N<br><br>**TMZ**<br>S I R N | **AMPSUL**<br>S I R N<br><br>**IMI**<br>S I R N<br><br>**TOBRA**<br>S I R N | **AZT**<br>S I R N<br><br>**MERO/DORI**<br>S I R N | **CEFEP**<br>S I R N | **CEFTAZ**<br>S I R N<br><br>**PIP/PIPTAZ**<br>S I R N | **CIPRO/LEVO**<br>S I R N | **COL/PB**<br>S I R N<br><br>**TETRA/DOXY/MINO**<br>S I R N |
| _____ | *Escherichia coli* | **AMK**<br>S I R N<br><br>**CEFTAZ**<br>S I R N<br><br>**ERTA**<br>S I R N<br><br>**TIG**<br>S I R N | **AMP**<br>S I R N<br><br>**CEFUR**<br>S I R N<br><br>**GENT**<br>S I R N<br><br>**TMZ**<br>S I R N | **AMPSUL/AMXCLV**<br>S I R N<br><br>**CEFOX/CETET**<br>S I R N<br><br>**IMI**<br>S I R N<br><br>**TOBRA**<br>S I R N | **AZT**<br>S I R N<br><br>**CIPRO/LEVO/MOXI**<br>S I R N<br><br>**MERO/DORI**<br>S I R N | **CEFAZ**<br>S I R N | **CEFEP**<br>S I/S-DD R N<br><br>**COL/PB**†<br>S R N<br><br>**PIPTAZ**<br>S I R N | **CEFOT/CEFTRX**<br>S I R N<br><br>**TETRA/DOXY/MINO**<br>S I R N |
| _____ | *Enterobacter*<br>(specify species)<br>_____ | **AMK**<br>S I R N<br><br>**CEFTAZ**<br>S I R N<br><br>**ERTA**<br>S I R N<br><br>**TIG**<br>S I R N | **AMP**<br>S I R N<br><br>**CEFUR**<br>S I R N<br><br>**GENT**<br>S I R N<br><br>**TMZ**<br>S I R N | **AMPSUL/AMXCLV**<br>S I R N<br><br>**CEFOX/CETET**<br>S I R N<br><br>**IMI**<br>S I R N<br><br>**TOBRA**<br>S I R N | **AZT**<br>S I R N<br><br>**CIPRO/LEVO/MOXI**<br>S I R N<br><br>**MERO/DORI**<br>S I R N | **CEFAZ**<br>S I R N | **CEFEP**<br>S I/S-DD R N<br><br>**COL/PB**†<br>S R N<br><br>**PIPTAZ**<br>S I R N | **CEFOT/CEFTRX**<br>S I R N<br><br>**TETRA/DOXY/MINO**<br>S I R N |
| _____ | ____*Klebsiella pneumonia*<br><br>____*Klebsiella oxytoca* | **AMK**<br>S I R N<br><br>**CEFTAZ**<br>S I R N<br><br>**ERTA**<br>S I R N<br><br>**TIG**<br>S I R N | **AMP**<br>S I R N<br><br>**CEFUR**<br>S I R N<br><br>**GENT**<br>S I R N<br><br>**TMZ**<br>S I R N | **AMPSUL/AMXCLV**<br>S I R N<br><br>**CEFOX/CETET**<br>S I R N<br><br>**IMI**<br>S I R N<br><br>**TOBRA**<br>S I R N | **AZT**<br>S I R N<br><br>**CIPRO/LEVO/MOXI**<br>S I R N<br><br>**MERO/DORI**<br>S I R N | **CEFAZ**<br>S I R N | **CEFEP**<br>S I/S-DD R N<br><br>**COL/PB**†<br>S R N<br><br>**PIPTAZ**<br>S I R N | **CEFOT/CEFTRX**<br>S I R N<br><br>**TETRA/DOXY/MINO**<br>S I R N |

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# Primary Bloodstream Infection (BSI)

| Pathogen # | **Gram-negative Organisms (*continued*)** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| _____ | *Pseudomonas aeruginosa* _____ | **AMK** S I R N | **AZT** S I R N | **CEFEP** S I R N | **CEFTAZ** S I R N | **CIPRO/LEVO** S I R N | **COL/PB** S I R N | **GENT** S I R N |
| | | **IMI** S I R N | **MERO/DORI** S I R N | | **PIP/PIPTAZ** S I R N | **TOBRA** S I R N | | |

| Pathogen # | **Fungal Organisms** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| _____ | *Candida* (specify species if available) _____ | **ANID** S I R N | **CASPO** S NS N | **FLUCO** S S-DD R N | **FLUCY** S I R N | **ITRA** S S-DD R N | **MICA** S NS N | **VORI** S S-DD R N |

| Pathogen # | **Other Organisms** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| _____ | Organism 1 (specify) _____ | _____Dr ug 1 S I R N | _____ Drug 2 S I R N | _____ Drug 3 S I R N | _____ Drug 4 S I R N | _____Dr ug 5 S I R N | _____ Drug 6 S I R N | _____ Drug 7 S I R N | _____ Drug 8 S I R N | _____ Drug 9 S I R N |
| _____ | Organism 1 (specify) _____ | _____Dr ug 1 S I R N | _____ Drug 2 S I R N | _____ Drug 3 S I R N | _____ Drug 4 S I R N | _____Dr ug 5 S I R N | _____ Drug 6 S I R N | _____ Drug 7 S I R N | _____ Drug 8 S I R N | _____ Drug 9 S I R N |
| _____ | Organism 1 (specify) _____ | _____Dr ug 1 S I R N | _____ Drug 2 S I R N | _____ Drug 3 S I R N | _____ Drug 4 S I R N | _____Dr ug 5 S I R N | _____ Drug 6 S I R N | _____ Drug 7 S I R N | _____ Drug 8 S I R N | _____ Drug 9 S I R N |

## Result Codes

**S = Susceptible   I = Intermediate   R = Resistant   NS = Non-susceptible   S-DD = Susceptible-dose dependent   N = Not tested**
**§ GENTHL results: S = Susceptible/Synergistic and R = Resistant/Not Synergistic**
**† Clinical breakpoints have not been set by FDA or CLSI, Sensitive and Resistant designations should be based upon epidemiological cutoffs of Sensitive MIC ≤ 2 and Resistant MIC ≥ 4**

## Drug Codes:

| | | | |
|---|---|---|---|
| AMK = amikacin | CEFTRX = ceftriaxone | FLUCY = flucytosine | OX = oxacillin |
| AMP = ampicillin | CEFUR= cefuroxime | GENT = gentamicin | PB = polymyxin B |
| AMPSUL = ampicillin/sulbactam | CETET= cefotetan | GENTHL = gentamicin –high level test | PIP = piperacillin |
| AMXCLV = amoxicillin/clavulanic acid | CIPRO = ciprofloxacin | IMI = imipenem | PIPTAZ = piperacillin/tazobactam |
| ANID = anidulafungin | CLIND = clindamycin | ITRA = itraconazole | RIF = rifampin |
| AZT = aztreonam | COL = colistin | LEVO = levofloxacin | TETRA = tetracycline |
| CASPO = caspofungin | DAPTO = daptomycin | LNZ = linezolid | TIG = tigecycline |
| CEFAZ= cefazolin | DORI = doripenem | MERO = meropenem | TMZ = trimethoprim/sulfamethoxazole |
| CEFEP = cefepime | DOXY = doxycycline | METH = methicillin | TOBRA = tobramycin |
| CEFOT = cefotaxime | ERTA = ertapenem | MICA = micafungin | VANC = vancomycin |
| CEFOX= cefoxitin | ERYTH = erythromycin | MINO = minocycline | VORI = voriconazole |
| CEFTAZ = ceftazidime | FLUCO = fluconazole | MOXI = moxifloxacin | |

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# Primary Bloodstream Infection (BSI)

## Custom Fields

| Label | | Label | |
|---|---|---|---|
| _____ | ____/____/_____ | _____ | ____/____/_____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

## Comments