

Appendix 1: Chart Abstraction Form

Form Approved  
OMB No. 0920-1011  
Exp. Date 03/31/2017

Patient Name: \_\_\_\_\_

CDC ID#: \_\_\_\_\_

DRAFT

Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74 Atlanta, Georgia 30333; ATTN: PRA (0920-1011)

**Chart Abstraction Form**

Name of Person Completing Form \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Case  Control: Matched to case (CDC ID): \_\_\_\_\_  
 Date of onset/positive culture (for case or matched control): \_\_\_\_\_  
 30day window period: \_\_\_\_\_ to \_\_\_\_\_ 7day window period: \_\_\_\_\_ to \_\_\_\_\_

**A. Demographic Information**

Sex:  Male  Female Age (specify years or months if <2 years): \_\_\_\_\_  
 Race:  White  Black  Asian  American Indian or Alaska Native  
 Native Hawaiian or Other Pacific Islander  Other \_\_\_\_\_  
 Ethnicity:  Hispanic/Latino  Non-Hispanic/Latino

**B. Birth History**

Gestational age: \_\_\_\_ wks \_\_\_\_ days Birth weight: \_\_\_\_\_ grams or \_\_\_\_ lbs. \_\_\_\_ oz.  
 Birth:  C-section  Vaginal delivery  Multiple birth APGAR: 1min \_\_\_\_ 5 min \_\_\_\_

**C. Maternal/ Obstetric History:**

G \_\_\_\_ P \_\_\_\_

|  |   |   |
|--|---|---|
| <input type="checkbox"/> Chorioamnionitis  | <input type="checkbox"/> Gestational diabetes | <input type="checkbox"/> Premature delivery |
| <input type="checkbox"/> Cigarette smoking | <input type="checkbox"/> IUGR                 | <input type="checkbox"/> PROM               |
| <input type="checkbox"/> Drug use: _____   | <input type="checkbox"/> Maternal infection   | <input type="checkbox"/> Unknown            |
| <input type="checkbox"/> Fetal distress    | <input type="checkbox"/> Preeclampsia         | <input type="checkbox"/> Other _____        |

**D. Medical History**

1. Comorbidities:

|  |   |  |
|--|---|--|
| <input type="checkbox"/> Aspiration  | <input type="checkbox"/> Patent ductus arteriosus | <input type="checkbox"/> Unknown               |
| <input type="checkbox"/> Gastric residual >30%   | <input type="checkbox"/> Perinatal asphyxia       | <input type="checkbox"/> Reflux/ Regurgitation |
| <input type="checkbox"/> Intracran. hemorrhage   |   | <input type="checkbox"/> Sepsis                |
| <input type="checkbox"/> Cardiac abnormalities (e.g., congenital heart disease): _____           |   |  |
| <input type="checkbox"/> Pulmonary disease (e.g., BPD, HMD/RDS, meconium aspiration): _____      |   |  |
| <input type="checkbox"/> Gastrointestinal disease (e.g., NEC, gastroschisis, omphalocele): _____ |   |  |
| <input type="checkbox"/> Other: _____  |   |  |

2. Did infant have any of the following 7 days prior to positive culture?  Unknown

|   |   |   |
|---|---|---|
| <input type="checkbox"/> GI surgery                               | <input type="checkbox"/> Non GI surgery     | <input type="checkbox"/> Retinopathy of prematurity (ROP) treatment |
| <input type="checkbox"/> Mechanical ventilation                   | <input type="checkbox"/> Umbilical catheter | <input type="checkbox"/> Other central venous catheter              |
| <input type="checkbox"/> Oro/nasogastric tube                     | <input type="checkbox"/> G-tube             | <input type="checkbox"/> Jejunal tube                               |
| <input type="checkbox"/> RBC transf: (Date: _____, # units: ____) | <input type="checkbox"/> Supplemental O2    |   |
| <input type="checkbox"/> Other devices (describe): _____          |   |   |

**E. Medication History**

1. Was infant treated with antimicrobial 30 days before onset/positive culture?

Yes  No  Unk.

| Antimicrobial | Route | Start Date | Stop Date |
|---------------|-------|------------|-----------|
|---------------|-------|------------|-----------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

2. Other medications received 7 days prior to onset or positive culture?

| Medication | Route | Start Date(s) | Stop Date(s) |
|------------|-------|---------------|--------------|
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |
|            |       |               |              |

3. Other injectables received in the 7 days before onset or positive culture?

| Product   | Start Date(s) | Stop Date(s) |
|---|---------------|--------------|
| TPN <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk |               |              |
|   |               |              |
|   |               |              |
|   |               |              |
|   |               |              |
|   |               |              |
|   |               |              |
|   |               |              |

**F. Illness History:** Please fill out for case-patients only

1. Date of onset/positive culture: \_\_\_\_/\_\_\_\_/\_\_\_\_

2. Outcome (include date):

- Ongoing illness     
  Symptoms resolved \_\_\_\_\_     
  Colonization only \_\_\_\_\_  
 Death \_\_\_\_\_     
  Unknown

If death, attributed to *Pseudomonas*?  Yes  No      Autopsy performed?  Yes  No

3. Pathology results from surgery or autopsy: \_\_\_\_\_

4. Pathology samples from surgery or autopsy available?  Yes  No

**H. Clinical Information:** Please fill out for case-patients only

1. Signs and Symptoms within 48 hours of onset or positive culture (check all that apply):

- Unk.     
  Tachypnea/Rapid breathing     
  Other \_\_\_\_\_  
 Fever     
 \_\_\_\_\_  
 Sepsis     
 \_\_\_\_\_  
 Tachycardia/ Rapid heart rate     
 \_\_\_\_\_

2. Abnormal laboratory findings within 48 hours of onset or positive culture (check all that apply):
- Coagulopathy: INR \_\_\_\_\_, PTT \_\_\_\_\_
  - Neutropenia: WBC \_\_\_\_\_, ANC \_\_\_\_\_
  - Leukocytosis: WBC \_\_\_\_\_
  - Thrombocytopenia: Plt \_\_\_\_\_

3. Microbiology findings: List all positive cultures from sterile sites (blood, urine, etc.) and surveillance culture sites

(Date range: 1 week prior to illness onset until resolution of illness)

- No cultures drawn       All cultures negative       Unknown

| Date | Source | Organism | # Positive Bottles (x/y) | Surveillance culture? (Y/N) |
|------|--------|----------|--------------------------|-----------------------------|
|      |        |          |                          |                             |
|      |        |          |                          |                             |
|      |        |          |                          |                             |
|      |        |          |                          |                             |
|      |        |          |                          |                             |

**I. Bathing/skin care history**

| Skin care products used | Brand/Manufacturer | Dates |
|-------------------------|--------------------|-------|
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |

**J. Oral care products**

| Oral care products used | Brand/Manufacturer | Dates |
|-------------------------|--------------------|-------|
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |
|                         |                    |       |

**K. Staff exposures**

| Staff | Role | Dates |
|-------|------|-------|
|       |      |       |
|       |      |       |
|       |      |       |
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**L. Notes/Remarks** (Anything unusual about hospital course not included above, including patterns of medication/thickener use, patient course at home, etc.)

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**K. Medical Chart Abstraction Form Complete?**

- Yes---- date of completion \_\_\_\_ / \_\_\_\_ / \_\_\_\_
- No