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## Project Validation: Central-Line Associated Bloodstream Infection (CLABSI)



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# Project Validation: CLABSI

## Points of Discussion

- IPPS Final Rule published August 2012 - Validation
- CLABSI validation steps
- CLABSI validation responsibilities
  - Hospital
  - CMS contractor validation coordinator
  - CDAC
  - CDC
  - QIO
- CLABSI validation appeals

# Project Validation: CLABSI

## CLABSI Reporting Validation

- FY 2014 payment determination – CLABSI reporting validation
- Combine a random and targeted sampling approach using two independent sources to validate CLABSI data
  - Abstract CLABSI data for candidate CLABSI medical records
  - Abstract CLABSI data for all currently requested quarterly medical records being validated for other topics:
    - AMI
    - HF
    - PN
    - SCIP
    - ED/IMM

# Project Validation: CLABSI

## Candidate CLABSI Case-Finding Methodology

### Basics:

- ICU patient
- Positive blood culture result
- Presence of a central venous catheter in the patient at the time of, or within 48 hours before, onset of the infection.

# Project Validation: CLABSI

## Responsibility: Validation Support Contractor

- Two-step selection process –
  - Step one – Identify candidate CLABSI events
    - List provided by sampled hospitals to CMS
      - Intensive Care Unit
      - Bloodstream infection (positive blood culture results) - Isolate is:
        - A likely pathogen found at least once
        - Common skin commensal (CSC) found in two or more positive blood cultures drawn on separate occasions
      - Central Venous Catheter (CVC)
    - Step two – Randomly sample up to 3 candidate CLABSI events

# Project Validation: CLABSI

## Responsibility: Hospitals/QIOs

- Hospital contact information:
  - QIOs update *QualityNet* with hospital contact information
    - The hospital reports contact information and updates to QIOs.
  - QIOs input the information using the Program Resource System (PRS)

# Project Validation: CLABSI

## Responsibility: Validation Support Contractor

Provide template to hospitals to report positive blood cultures for ICU patients with CVC

Provide training on validation requirements

# Project Validation: CLABSI

## Responsibility: Hospital

- Provide list of positive blood cultures for ICU patients with CVC to CMS Validation Support Contractor
- List due quarterly, 15 days prior to clinical submission deadlines, beginning with 1Q2012 discharges
  - Clinical submission deadlines are:
    - Aug 15
    - Nov 15
    - Feb 15
    - May 15

# Project Validation: CLABSI

## Responsibility: Validation Support Contractor

### Identify Candidate Events

- Review and remove duplicates in the hospital positive blood culture list to identify unique CMS candidate CLABSIs.
- Sample the CMS candidate CLABSIs randomly selecting up to three candidate CLABSI events from the processed final hospital list.
- Request CLABSI reporting status from the Centers for Disease Control and Prevention (CDC) National Healthcare Safety Network (NHSN)

# Project Validation: CLABSI

## Responsibility: CDAC

### CLABSI Records Abstraction:

- The CDAC requests **copies** of records from hospitals.
  - Hospital sends CDAC **copies** of requested charts (not original files).
- Abstract copy of hospital charts
  - On a weekly basis, sends CLABSI abstraction data to Validation Support Contractor
  - On a weekly basis, sends normal validation results to the warehouse.

# Project Validation: CLABSI

## Responsibility: Validation Support Contractor

### Scoring CLABSI Records

- Produce agreement statistics – compare the CLABSI indicator file from CDC and CLABSI abstraction data from CDAC
  - When mismatch occurs, collaborates with CDC to adjudicate.
- Provides weekly agreement statistics to ISG Production Support.

# Project Validation: CLABSI

## Responsibility: CLABSI Scoring

- CMS contractor validation coordinator compares the CDAC's CLABSI infection status to the hospital's event data reported to NHSN for the applicable quarter
- For each medical record reviewed, a match only if the CMS contractor validation coordinator determines equivalency between the CMS contractor's determination of infection status and the infection status reported to NHSN
- Possible 1/1 for each record

# Project Validation: CLABSI

## Responsibility: Hospital

### Results Response:

- Receive overall validation decision
  - Accepts or appeal (score <75% combined CLABSI and non-CLABSI measures)
  - Sends appeal to QIO
- When pass (overall >75%), request CLABSI training from Validation Support contractor

# Project Validation: CLABSI

## Responsibility: QIO

### Appeal/Mismatch Response

- Receives appeal and enters into the system
- Is appeal for CLABSI? If yes, QIO work with and send CLABSI appeal to Validation Support Contractor

# Project Validation: CLABSI

## Responsibility: Validation Support Contractor & CDC

### Appeal Response:

- Collaborate to adjudicate appeal
- Send results to warehouse

# Questions

