NHSN Dialysis Surveillance Call
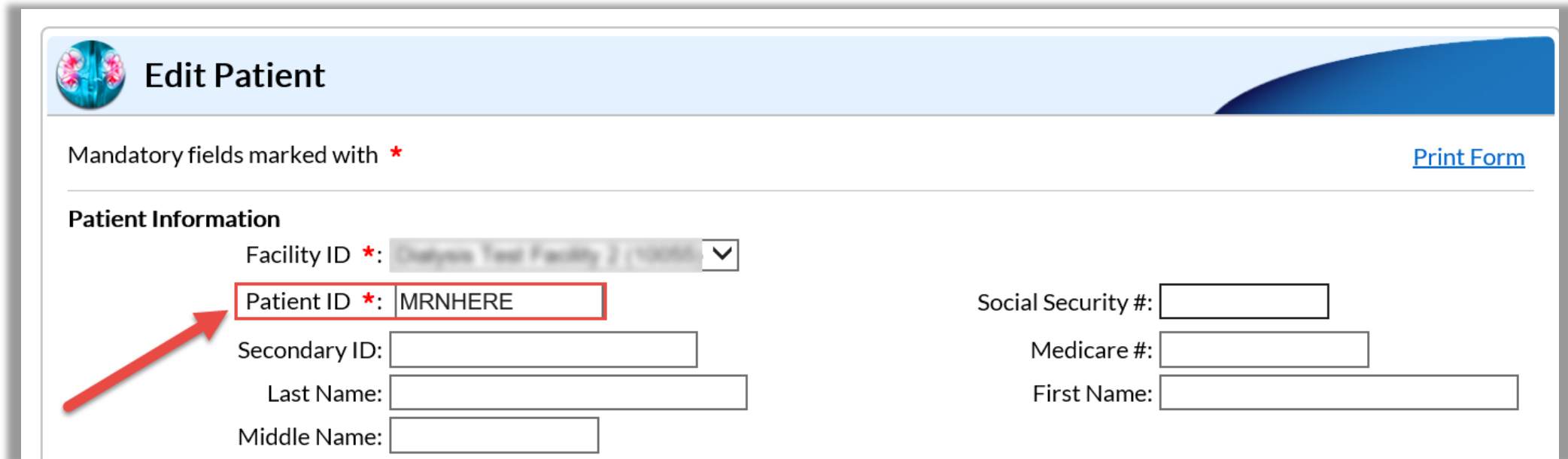
December 4, 2018

Outline

- Dialysis Event Surveillance Protocol Update

- Dialysis Component Data Quality Checks

- End-Stage Renal Disease (ESRD) Quality Incentive Program (QIP) Updates and Reminders

- 2019 NHSN Release 9.2 Updates

- Acute Kidney Injury (AKI) Reporting and 2019 Updates

Dialysis Event Surveillance Protocol Update

Dialysis Event Surveillance Protocol Update: Patient Information

- Beginning January 1, 2019, the 'Patient ID' field used to report Dialysis Events will be updated and defined as the patient's Medical Record Number
  - This field can be alphanumeric

- This change is **optional** for 2019 and will be required in 2020

Dialysis Component Data Quality Checks

Dialysis Component Data Quality Checks

- CDC reviews Dialysis Event and denominator data monthly for accuracy

- Facility administrators will receive an email containing a report listing any data quality issues identified, for example:
  - Events reported, but missing access type data
  - 21 Day Rule violations
  - "Not participating in NHSN this month" selections

- If you have questions regarding how to correct any data quality issues, e-mail the NHSN helpdesk at nhsn@cdc.gov with "Dialysis" in the subject line

End-Stage Renal Disease (ESRD) Quality Incentive Program (QIP) Updates and Reminders

Removal of Healthcare Personnel Influenza Vaccination Reporting Measure from ESRD QIP

- CMS has removed the Healthcare Personnel (HCP) Influenza Vaccination Summary Measure (National Quality Forum Measure 0431) from certain quality reporting programs

- Beginning with the 2018-2019 influenza season, outpatient dialysis facilities are no longer required to report HCP influenza vaccination summary data, for CMS quality reporting purposes, through NHSN
  - Reporting these data may still be required for some facilities based on state mandates
  - Facilities are still encouraged to voluntarily report these data through NHSN

- For additional information on the CMS End-Stage Renal Disease Quality Incentive Program (ESRD QIP), e-mail ESRDQIP@cms.hhs.gov

Not Participating in NHSN this Month

- On Monthly Reporting Plans, select this option if your facility is NOT following any surveillance protocols for the Dialysis Component modules for a particular month (e.g., the facility was closed)
  - None of the data entered for the month will be submitted to CMS
  - Selecting this option could negatively impact your facility's CMS ESRD QIP score
- For additional information on CMS ESRD QIP policies and scoring, including Extraordinary Circumstances Exceptions, contact ESRD QIP at ESRDQIP@cms.hhs.gov

3rd Quarter ESRD QIP Reporting Deadline

- The next QIP reporting deadline for data collected between July 1st and September 31st is **December 31, 2018**. Facilities should:
  - Review the data in NHSN for accuracy and completeness
    - Consider using the 3 step guide: http://www.cdc.gov/nhsn/pdfs/dialysis/3-steps-to-review-de-data-2014.pdf
  - Use the Line Listing – CMS ESRD QIP Rule report to ensure the facility has met the minimum CMS reporting requirements
    - One-page reference guide: http://www.cdc.gov/nhsn/pdfs/cms/dialysis/cms-qip-nhsn-report.pdf

2019 NHSN Release 9.2 Updates

New Pediatric Facility Type

- New facility type for pediatric hemodialysis centers (AMB-PEDHEMO)
  - New pediatric facilities: select facility type upon enrollment
  - Currently open pediatric facilities: Facility Administrators should log in to each facility to change facility type on the 'Facility Info' screen
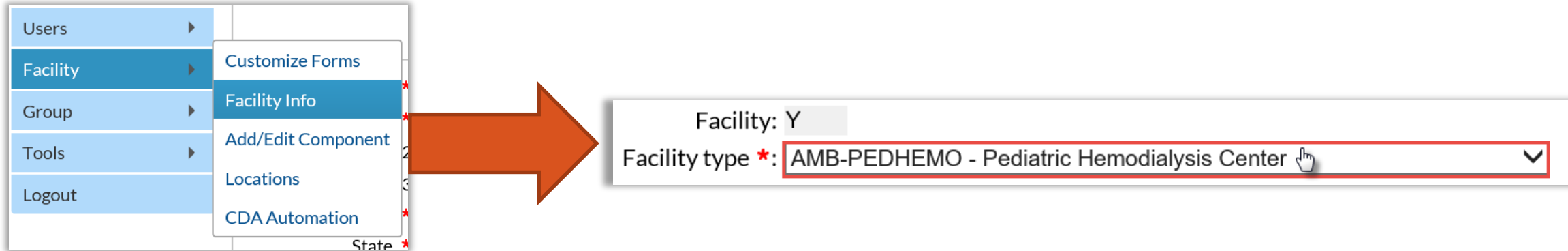
A facility is considered a pediatric hemodialysis center if:
- 80% or more of their maintenance, non-transient patients are less than or equal to 21 years of age, or
- If the facility medical director is a pediatric nephrologist

Annual Survey Update
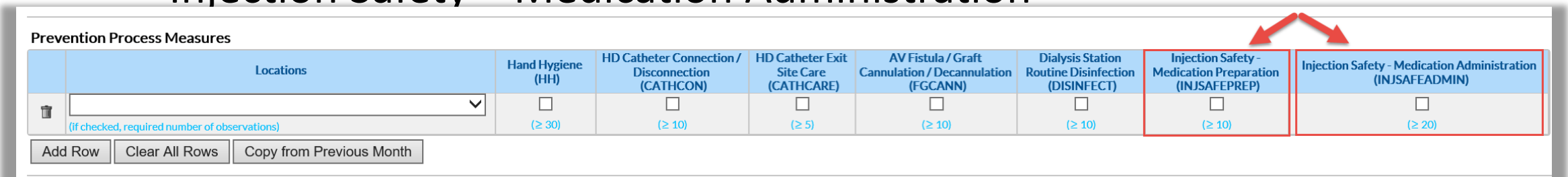
- Outpatient Dialysis Center Practices Survey: one new question added

3. Is your facility accredited by an organization other than CMS? ** [Yes ▼]
   If yes, specify: * [Specify Answer Here]

Monthly Reporting Plan Update

- Under the 'Prevention Process Measures' section, the previous 'Injection Safety' box has now been split into two checkboxes:

  - Injection Safety – Medication Preparation

  - Injection Safety – Medication Administration

- This corresponds with the two 'Injection Safety' rows on the Prevention Process Measures Summary Form

```
├── 📁 Advanced
│   ├── 📁 Patient-level Data
│   ├── 📁 Event-level Data
│   ├── 📁 Summary-level Data
│   ├── 📁 Plan Data
│   │   └── 📊 Line Listing - Reporting Plans
│   └── 📁 Pathogen-level Data
```

Analysis Updates

- 'Line Listing – Plan' report has been updated to include the corresponding variables for the new Injection Safety checkboxes on the Monthly Reporting Plan
  - Injection Safety – Medication Preparation
  - Injection Safety – Medication Administation

National Healthcare Safety Network
Line Listing - Plan
As of: November 15, 2018 at 6:18 PM
Date Range: PLAN_DIAL planYM 2018M09 to 2018M09

Facility Org ID	CMS Certification Number	Facility Name	deRptPlanID	Plan YM	Location	Hand Hygiene In-Plan	HD Catheter Connection/Disconnection In-Plan	HD Catheter Exit Site Care In-Plan	AV Fistula/Graft Cannulation/Decannulation In-Plan	Dialysis Station Routine Disinfection In-Plan	Injection Safety – Med Prep	Injection Safety – Med Admin

Analysis Updates - continued

- Line Listing – Dialysis Practices Survey v. 8.3 – 9.2 (for 2015 – 2019) report has been updated to include two new variables that correspond to the new question on facility accreditation

Analysis Updates - continued

- All facilities will now see a separate folder for Pediatric Rates

- NHSN aggregate data for comparison in pediatric rate tables and run charts not yet available
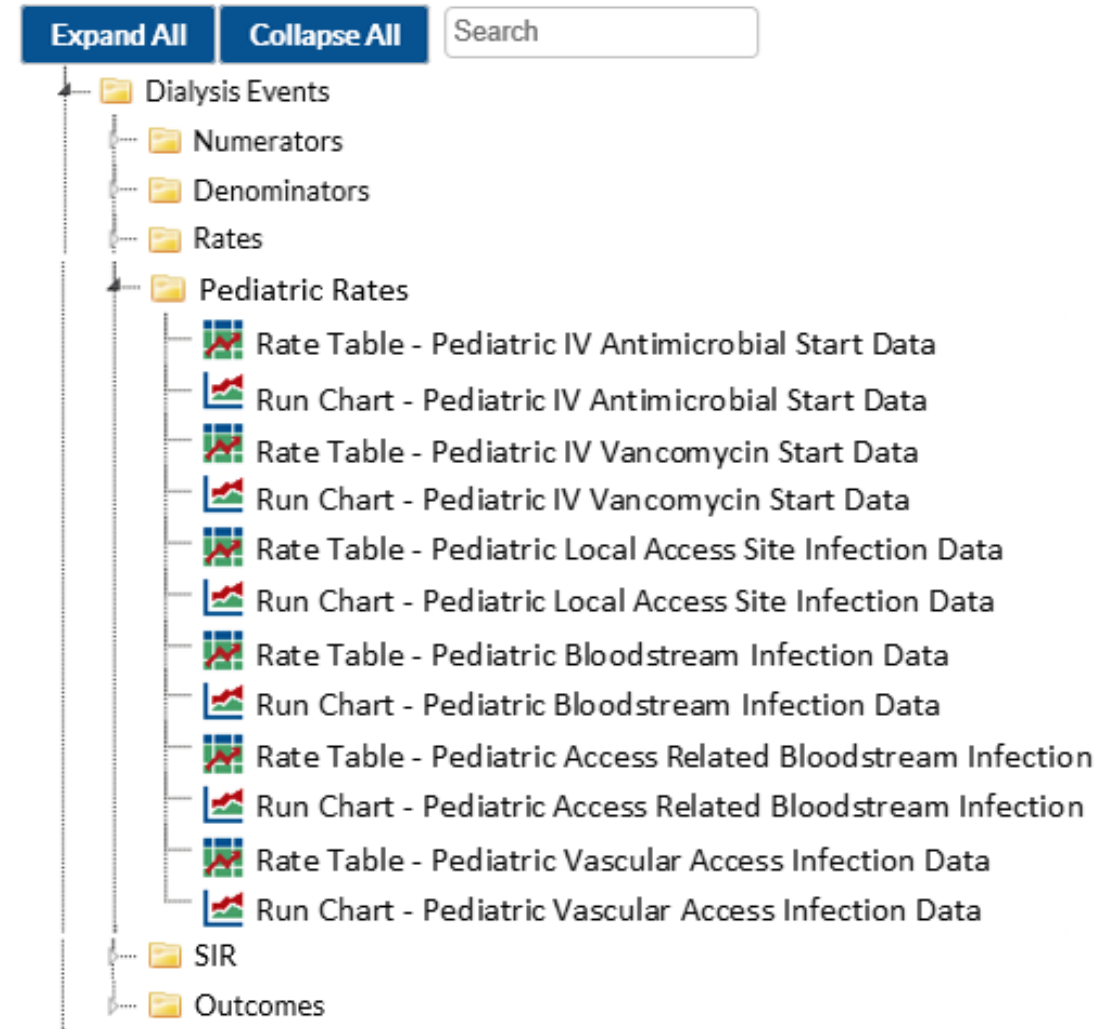
Acute Kidney Injury (AKI) Reporting and Updates

Acute Kidney Injury (AKI): Definition

Among patients included in the NHSN Dialysis Event Surveillance population, the following criteria should be used to identify patients who have acute kidney injury:

1. No diagnosis of "End Stage Renal Disease" or "ESRD" in the patient medical record, or through the ESRD Medical Evidence Form (Form CMS-2728-U3) **AND**

2. Physician-diagnosis of "Acute Kidney Injury" or "AKI" listed in the patient medical record (e.g., nephrologist consult or referral form) **AND**

3. The event date, or date of denominator data collection, is not more than 6 months after the date the patient initiated outpatient hemodialysis

Acute Kidney Injury (AKI)

- NHSN Dialysis Event Protocol requirement to report data for patients with AKI began January 1, 2018

- Data for patients with AKI should be reported to the separate, "Outpatient Hemodialysis Clinic – Acute Kidney Injury (AKI)" location

  - Created to exclude AKI patient data from NHSN Bloodstream Infection (BSI) data shared with CMS for the End-stage Renal Disease (ESRD) Quality Incentive Program (QIP)
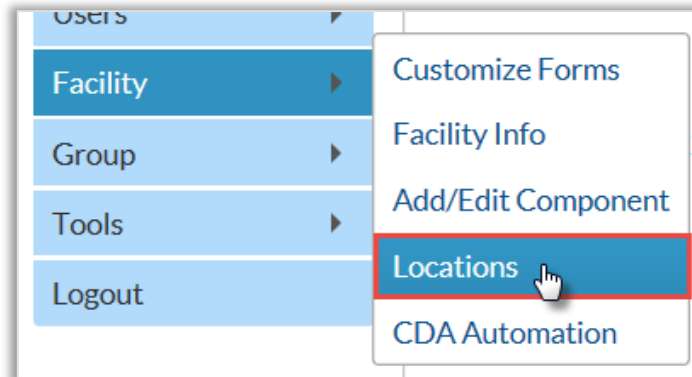
AKI Reporting

- Step 1: Map the 'Outpatient Hemodialysis Clinic – Acute Kidney Injury (AKI)' location

- Step 2: Add the AKI location to Monthly Reporting Plans

- Step 3: Account for AKI patients each month
    - Denominators for Dialysis Event Surveillance form
    - Dialysis Event Form
    - Confirm AKI Data Alert

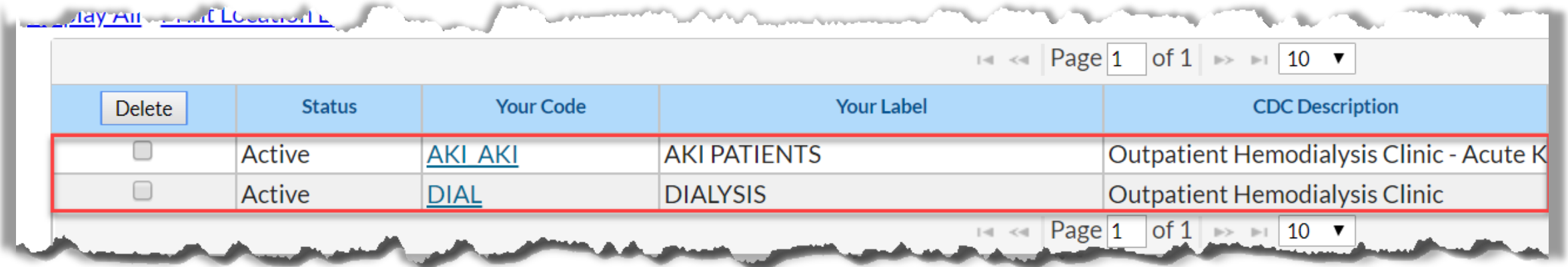More information about these three steps can be found in the NHSN Dialysis Event Surveillance Instructions for AKI Data: https://www.cdc.gov/nhsn/pdfs/dialysis/aki-location-instructions-508.pdf

Mapping the AKI Location

- Facilities need to map (i.e., create) an "Outpatient Hemodialysis Clinic – Acute Kidney Injury (AKI)" location **once** in order to use the AKI location for their Monthly Reporting Plans, Denominator forms and Dialysis Event forms

View Facility Locations

- You can check your available locations by going to the 'Facility' tab > 'Locations', then leave all of the fields blank and click 'Find'

- The saved locations will appear at the bottom of the screen
  - There should only be <u>one</u> location of each type
    - For example, one AKI location and one ESRD location

Delete	Status	Your Code	Your Label	CDC Description
☐	Active	AKI_AKI	AKI PATIENTS	Outpatient Hemodialysis Clinic - Acute K
☐	Active	DIAL	DIALYSIS	Outpatient Hemodialysis Clinic

Add AKI Location to Monthly Reporting Plans

- Monthly Reporting Plan:

    - Every facility that provides in-center hemodialysis for outpatients <u>must</u> create an AKI location and add both ESRD and AKI locations to their Monthly Reporting Plan for every month of the year with the 'DE' box checked

Add AKI Location to Monthly Reporting Plans

- Once the AKI location is added to Monthly Reporting Plan with the 'DE' box checked, users will receive reminders to confirm AKI patients status

- The "Confirm Acute Kidney Injury (AKI) Data" alert will generate if the facility has not reported any AKI Events or denominator data for that month

How to Report if your Facility had AKI Patients

- If <u>any</u> AKI patients received hemodialysis at your facility during the month:
  - Complete a Denominators for Dialysis Event Surveillance form
  - Complete a Dialysis Event form
  - If you see a 'Confirm AKI Data' alert, answer 'Yes'

- Facilities must report AKI patients who received in-center hemodialysis on the first two working days of the month on the Denominators for Dialysis Event Surveillance form
  - If no patients were present on the first two working days, but were present later in the month, complete the Denominators for Dialysis Event Surveillance form with all zeros. Also, complete event forms (if applicable)
- Report all AKI Dialysis Events even if the patient <u>was not present</u> on the first two working days of the month

How to Report if your Facility did NOT have AKI Patients

- If your facility <u>did not</u> have any AKI patients receive hemodialysis during the month:

  - When the 'Confirm AKI Data' alert appears, answer 'No'

X **Do not complete a Denominator form or an Event form <u>for the AKI location</u> if you did not have any AKI patients receive hemodialysis at your facility during the month**

AKI Reporting Summary

Situation	How to Report AKI Data
1. If your facility <u>does</u> have AKI patients present during the first two working days of the month	1. Complete a Denominator form for the AKI location 2. Complete Event forms for AKI patients (if necessary) **OR** check the Report No Events boxes on the Denominator form for the AKI location 3. Select 'Yes' from the 'Confirm AKI Data' alert
2. If your facility <u>does not</u> have AKI patients during the first two working days of the month, but AKI patients receive dialysis at your facility later in the same month	1. Complete a Denominator form for the AKI location, and insert zeros for each vascular access type 2. Complete Event forms for AKI patients (if necessary) **OR** check the Report No Events boxes on the Denominator form for the AKI location 3. Select 'Yes' from the 'Confirm AKI Data' alert
3. If your facility <u>does not</u> have AKI patients at all during the month	1. **DO NOT** complete a Denominator form for the AKI location 2. Select 'No' from the 'Confirm AKI Data' alert

New for 2019 - AKI Data History Tab

- On the Incomplete/Missing Alerts page, there is a new tab called 'AKI Data History'

  - Use this tab to modify selections previously answered on the 'Confirm AKI Data' alert tab
  - Table can be filtered and sorted

New for 2019 - Analysis of AKI Data

- Line Listing – CMS ESRD QIP Rule report will now display data for the 'Outpatient Hemodialysis Clinic – Acute Kidney Injury (AKI)' location in addition to the 'Outpatient Hemodialysis Clinic' location

National Healthcare Safety Network
Line Listing for CMS ESRD QIP Rule
As of: November 30, 2018 at 12:02 PM
Date Range: DE_CMSQIP summaryYM 2018M07 to 2018M09
"Criteria met this Month" = Y if all other Y/N fields in the same row = Y. Note: data are reported to CMS by CCN.
Run the "Rate Table - Bloodstream Infection Data" to view BSI rates

Facility Org ID	CMS Certification Number	Facility Name	Location	CDC Location Description	Summary Year/Month	DE on Reporting Plan	Dialysis Event Numerator Reported	Dialysis Event Denominator Reported	Criteria Met this Month
10055	888888	Dialysis Test Facility 2	1837AKI	Outpatient Hemodialysis Clinic - Acute Kidney Injury	2018M07	Y	N	N	N
10055	888888	Dialysis Test Facility 2	1837AKI	Outpatient Hemodialysis Clinic - Acute Kidney Injury	2018M08	N	N	N	N
10055	888888	Dialysis Test Facility 2	1837AKI	Outpatient Hemodialysis Clinic - Acute Kidney Injury	2018M09	Y	Y	Y	Y
10055	888888	Dialysis Test Facility 2	OPDIALYSIS	Outpatient Hemodialysis Clinic	2018M07	Y	N	Y	N
10055	888888	Dialysis Test Facility 2	OPDIALYSIS	Outpatient Hemodialysis Clinic	2018M08	N	N	N	N
10055	888888	Dialysis Test Facility 2	OPDIALYSIS	Outpatient Hemodialysis Clinic	2018M09	Y	Y	Y	Y

Sorted by orgID location summaryYM
Data contained in this report were last generated on November 30, 2018 at 11:58 AM.

New for 2019 – Analysis of AKI Data- continued

- Data reported to the AKI location will be available on <u>all</u> Dialysis Event rate tables and run charts

National Healthcare Safety Network

Rate Table for Bloodstream Infection

Facility-level Rate Data

As of: Nove 2018 at 12:09 PM

Date Range: PBC_RATES summaryYQ   2018Q1 to 2018Q3

Bloodstream Infection: Any positive blood culture.

Facility Org I	CMS Certification Number	State	Location	Access Type	SummaryYr /Qtr	Months	Number Bloodstream Infections	Patient-months	Bloodstream Infection Rate/100 patient-months	NHSN Bloodstream Infection Pooled Mean Rate/100 patient-months	Incidence Density p-value	Incidence Density Percentile
10055	888888	DC	AKI	All	2018Q1	2	3	38	7.89	0.56	0.0015	.
10055	888888	DC	AKI	Fistula	2018Q1	2	1	20	5	0.22	0.0448	100
10055	888888	DC	AKI	Graft	2018Q1	2	1	12	8.33	0.37	0.0445	100
10055	888888	DC	AKI	Other Access	2018Q1	2	0	0	.	0.65	.	.
10055	888888	DC	AKI	Tunneled Central Line	2018Q1	2	1	6	16.67	1.85	0.1108	100
10055	888888	DC	AKI	Nontunneled Central Line	2018Q1	2	0	0	.	2.14	.	.
10055	888888	DC	AKI	Any CVC	2018Q1	2	1	6	16.67	1.86	0.1112	100
10055	888888	DC	OPDIALYSIS	All	2018Q2	2	1	198	0.51	0.56	1	.
10055	888888	DC	OPDIALYSIS	Fistula	2018Q2	3	0	122	0	0.22	0.7609	25
10055	888888	DC	OPDIALYSIS	Graft	2018Q2	3	0	41	0	0.37	0.8589	50
10055	888888	DC	OPDIALYSIS	Other Access	2018Q2	3	1	29	3.45	0.65	0.1888	.
10055	888888	DC	OPDIALYSIS	Tunneled Central Line	2018Q2	3	0	41	0	1.85	0.4682	25
10055	888888	DC	OPDIALYSIS	Nontunneled Central Line	2018Q2	3	0	47	0	2.14	0.366	.
10055	888888	DC	OPDIALYSIS	Any CVC	2018Q2	3	0	88	0	1.86	0.195	25

Source of aggregate data: 2016 NHSN Dialysis Event Data

Incidence Density Percentile"" values were suppressed for ""All"" stratum and strata with insufficient data.

National aggregate data not available for Outpatient Hemodialysis Clinic - Acute Kidney Injury (AKI) location.

Rates are not calculated for rows where total number of patient-months is zero or where data are missing.

Data contained in this report were last generated on November 30 2018 at 11:57 AM.

Thank you!

Questions about NHSN? NHSN Helpdesk: nhsn@cdc.gov

Questions about QIP or scoring? QIP Helpdesk: ESRDQIP@cms.hhs.gov

Visit our website at: https://www.cdc.gov/nhsn/dialysis/event/index.html and look under the "Training Spotlight" section for our current training resources

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348   www.cdc.gov