



NHSN Dialysis Annual Updates

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January 13, 2021



Objectives

- Describe the changes in dosing for Hepatitis B vaccine on the annual practice survey for Outpatient and Home dialysis facilities
- Describe the new fields for reporting access types on the Dialysis Surveillance Event form
- Illustrate use of the new fields for reporting access types by providing case scenarios

Annual Survey – Outpatient Dialysis

- Question 25-28: Clarified the Hepatitis B vaccine to state a “Completed Series”

C. Vaccines

25. Of the in-center hemodialysis patients counted in question 22a, how many received: **

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

c. At least one dose of pneumococcal vaccine (ever)? **

26. Of the home hemodialysis patients counted in question 22b, how many received: **

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

c. At least one dose of pneumococcal vaccine (ever)? **

27. Of the peritoneal dialysis patients counted in question 22c, how many received: **

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

c. At least one dose of pneumococcal vaccine (ever)? **

28. Of the patient care staff members counted in question 24, how many received:

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

Annual Survey – Home Dialysis

Hepatitis B vaccine questions - “Completed Series”

C. Vaccines

15. Of the peritoneal dialysis patients counted in question 13a, how many received:

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

c. At least one dose of the pneumococcal vaccine (ever)? **

16. Of the home hemodialysis patients counted in question 13b, how many received:

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza (flu) vaccine for the current/most recent flu season? **

c. At least one dose of the pneumococcal vaccine (ever)? **

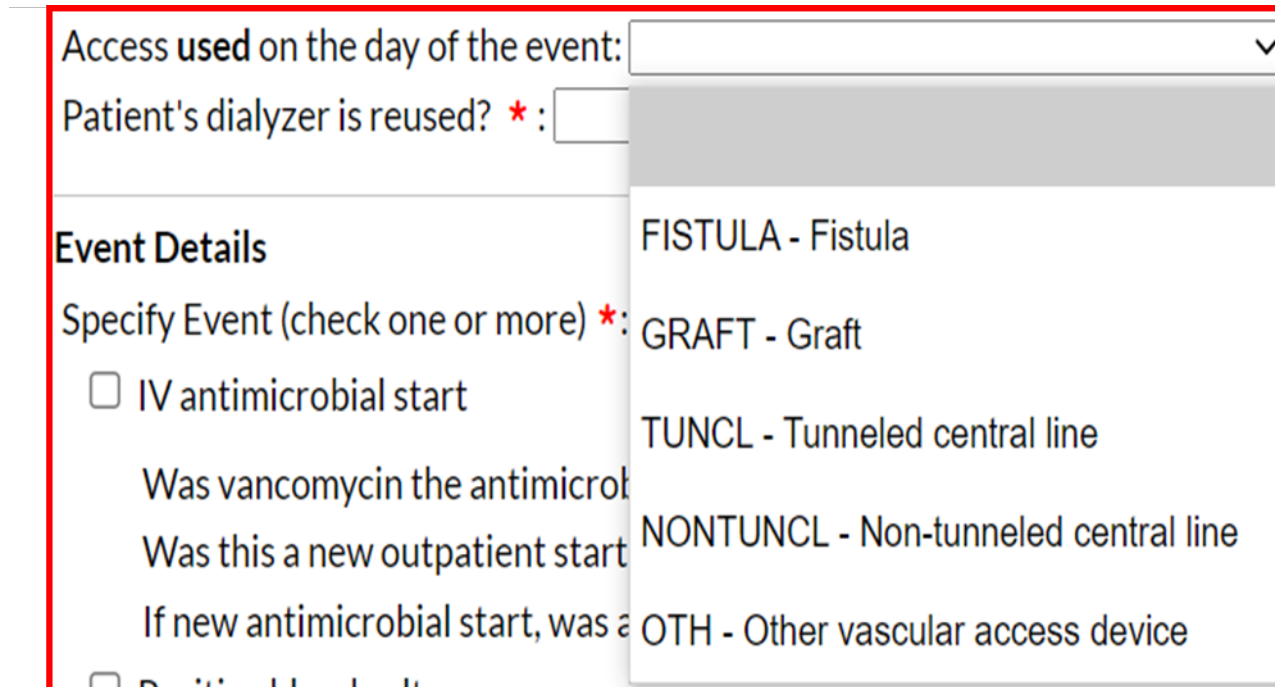
17. Of the patient care staff members counted in question 14, how many received:

a. A complete series of hepatitis B vaccine (ever)? **

b. The influenza vaccine for current/most recent flu season? **

NHSN Dialysis Event Form – Access Used on Day of Event

- **NEW** – Access Used on Day of Event field has been added.
- This new field will allow users to indicate the access type used to dialyze patient on day of the event.



Access used on the day of the event:

Patient's dialyzer is reused? *:

Event Details

Specify Event (check one or more) *: IV antimicrobial start

Was vancomycin the antimicrob

Was this a new outpatient start

If new antimicrobial start, was a

...

FISTULA - Fistula

GRAFT - Graft

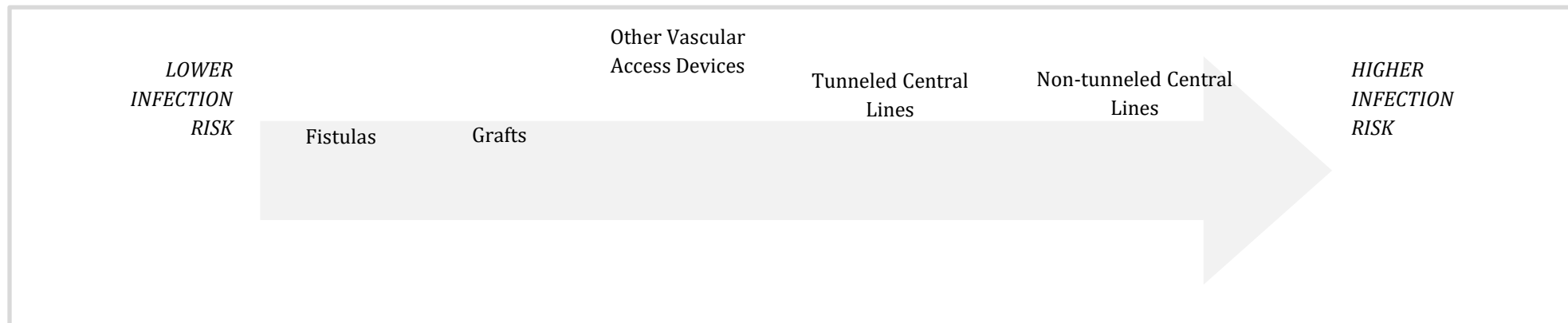
TUNCL - Tunneled central line

NONTUNCL - Non-tunneled central line

OTH - Other vascular access device

NHSN Dialysis Event Form – Access Used on Day of Event

- If more than one access used on the day of event, choose access with highest infection risk
- Optional CY 2022. Will be required beginning January 2023.



Dialysis Event Table of Instructions (TOI)

Access used on the day of the event	<p>Optional. Indicate the access type used to dialyze the patient on the day of the event. If dialysis was not performed on the day of the event, please indicate the access used for the most recent treatment prior to the event date.</p> <p>Select only one. If the patient used more than one access for the hemodialysis treatment (such as one needle of an AV Fistula and one lumen of a catheter), select the applicable access with the higher risk of infection.</p>
Fistula	Indicate if an arteriovenous fistula was used to dialyze the patient on the day of the event.
Graft	Indicate if an arteriovenous graft was used to dialyze the patient on the day of the event.
Tunneled central line	Indicate if a tunneled dialysis central line was used to dialyze the patient on the day of the event.
Non-tunneled central line	Indicate if a non-tunneled dialysis central line was used to dialyze the patient on the day of the event.
Other vascular access device	<p>Indicate if the patient has a hybrid vascular access device (e.g., HeRO[®] vascular access device²), port, or any other <u>vascular access</u> device that does not meet the above definitions.</p> <p>Do not use this field to report vascular accesses that are grafts, central venous catheters, or fistulas. Do not use this field to report peritoneal dialysis catheters.</p>

Case Scenario

A 65 year old female who presented on January 19, 2022, to the dialysis clinic for hemodialysis. The patient had a new fistula and was receiving dialysis via a tunneled dialysis catheter. During the middle of her dialysis her blood pressure dropped. A short time later she developed a fever. Blood cultures were drawn and she was given a dose of Vancomycin. She was able to complete her dialysis but was still having chills. The clinic manager called 911 and the patient was transport to the local emergency department. Two days later the clinic received results from the blood cultures which were positive for *Enterobacter aerogenes*.

Case Scenario

Which facility would report the positive blood culture (BSI) to NHSN?

- A. The hospital
- B. The dialysis clinic
- C. Both the hospital and dialysis clinic
- D. Neither the hospital or dialysis clinic

Answer

B. The dialysis clinic

The dialysis clinic would report the event since the positive blood culture occurred in the dialysis facility prior to the patient being transported to the hospital

Case Scenario

According to the Dialysis Event Protocol, what would be included in the event reporting?

- A. The positive blood culture
- B. The IV antimicrobial start
- C. Both the blood culture and IV antimicrobial start would be reported by the dialysis facility
- D. The hospital would report the positive blood culture but the clinic would report the IV antimicrobial start

Answer

C. Both the blood culture and IV antimicrobial start would be reported by the dialysis facility

Both the blood culture and IV antimicrobial start would be reported by the dialysis facility since the blood culture was collected in the dialysis facility and the IV antimicrobial was given prior to the patient being transferred to the hospital

Case Scenario

Since the dialysis facility will be reporting the positive blood culture and IV antimicrobial start, they will be reported as two separate events.

- A. True
- B. False

Answer

B. False

Following the guidance in the Dialysis Event Surveillance Protocol, the positive blood culture and the IV antimicrobial start should be reported as one event since they occur on the same day.

Case Scenario

When completing the dialysis event reporting in the NHSN application, which access type would be reported using the new reporting field?

- A. Tunneled dialysis catheter
- B. Fistula
- C. Both the tunneled dialysis catheter and fistula
- D. Neither the tunneled dialysis catheter or fistula since the dialysis clinic does not need to report the event

Answer

A. Tunneled dialysis catheter

In the case scenario, the access used for this dialysis treatment was the tunneled central line. If the fistula and the tunneled central line was used during this event, the tunneled central line would be reported since it has the highest infection risk.



Send questions regarding this presentation to NHSN@cdc.gov

Subject line: NHSN Dialysis Annual Updates

For more information, contact CDC
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