

NHSN Dialysis Event Bloodstream Infection (BSI) Report Quick Reference

NHSN Helpdesk: nhsn@cdc.gov

How to Create an NHSN Dialysis Event BSI Report

- From the navigation bar, select 'Analysis' and 'Generate Data Sets'

Analysis

Generate Data Sets

Generate new data sets; overwrite old ones – this ensures the report will be created using the most up-to-date data.

- From the navigation bar, select 'Reports' and open these folders in order:

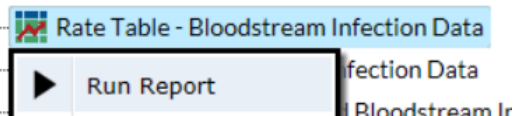
Dialysis Events ← 1.

Numerators

Denominators

Rates ← 2.

- Locate the report and click 'Run Report.'



Optional: Click 'Modify Report' to customize the report.

Modify Report

On the Time Period tab, change the time frame to the period of interest:

Time Period:

Date Variable	Beginning	Ending	
Summary-Yr/Qtr	2014Q1	2014Q1	<input type="button" value="Clear Time Period"/>

Enter Date variable/Time period at the time you click the Run button

Run

Once modifications are made, scroll down and click

How to Read an NHSN Dialysis Event BSI Report

The year and calendar quarter of the data (e.g., 2014Q1 is Jan, Feb, Mar 2014)

The number (count) of Dialysis Event Bloodstream Infections (BSI) at the facility

The mean or average rate of Dialysis Event BSI for all of NHSN (per 100 patient-months)

The facility's percentile rank for BSI as compared to all of NHSN (lower is better)

Access Type	Summary Yr/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
Fistula	2014Q1	3	0	93	0.00	0.48	0.6394	25
Graft	2014Q1	3	0	37	0.00	0.88	0.7227	50
Tunneled	2014Q1	3	1	15	6.67	3.24	0.4709	83

The vascular access type that applies to each row

The number of months that had data in each quarter

The number (count) of patient-months at the facility

The rate of BSI at the facility (per 100 patient-months)

The probability that the facility's rate is statistically different than the rate for all of NHSN (a p-value less than 0.05 is usually considered statistically significant)

- NHSN DE Bloodstream Infection:** any positive blood culture.
- Dialysis event data are stratified by vascular access type because infection risk varies by type.
- Regularly share the data with front line staff to engage them in prevention.
- Go to <http://www.cdc.gov/dialysis/prevention-tools/core-interventions.html> for BSI prevention resources.

