

## How to Create an NHSN Access Related Bloodstream Infection Report

## Reading an NHSN Access Related Bloodstream Infection Report

- From the navigation bar, select 'Analysis' and 'Generate Data Sets'
  - Analysis**
  - Generate Data Sets
 Generate new data sets; overwrite old ones

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

- Device-Associated Module
- All Device-Associated Events
- Central Line-Associated BSI
- Ventilator-Associated PNEU
- Urinary Catheter-Associated UTI
- Central Line Insertion Practices
- Dialysis Events
- CDC Defined Output

- Locate **Rate Table - Access Related Bloodstream Infection** and click **Modify**
- Click the 'Use Variable Labels' checkbox
- Change the 'Group by' option from "SummaryYM" to "SummaryYQ" to analyze data by quarter (recommended)

Group by:

summaryYM  
 summaryYQ  
 summaryYr

- Press **Run**

Shows the year and calendar quarter of the data (e.g., 2011Q1 is Jan, Feb, Mar 2011)

The number (count) of Access Related Bloodstream Infection (ARB) at the facility

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

The facility's percentile ranking for ARB compared to all of NHSN (lower numbers are better)

Access Type	Summary Year/Qtr	Months	ARB Count	Patient Months	ARB Rate	NHSN ARB Pooled Mean	Incidence Density p-value	Incidence Density Percentile
Fistula	2011Q1	3	0	122	0.00	0.2	0.9872	50
Graft	2011Q1	3	1	86	1.16	0.4	0.9476	75
Tunneled	2011Q1	3	1	7	14.29	4.8	0.0452	100

Shows the vascular access type that applies to each row

Number of months that had data in each quarter

Number (count) of patient-months at the facility

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

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

- Dialysis data are always stratified by vascular access type because infection risk varies by type
- Regularly share the data with front line staff to engage them in prevention