How to Create an NHSN Access Related Bloodstream Infection Report

1. From the navigation bar, select ‘Analysis’ and ‘Generate Data Sets’
   - Generate new data sets; overwrite old ones – this ensures the report will be created using the most up-to-date data.

2. From the navigation bar, select ‘Reports.’ Open the following folders, in order:
   - Dialysis Events
     - Numerators
     - Denominators
     - Rates
   - Rate Table - Access Related Bloodstream Infection

3. Locate the report and click ‘Run Report:’
   - Optional: Click ‘Modify Report’ to customize the report to your needs.

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

Once modifications are made, scroll down and click

How to Read an NHSN Access Related Bloodstream (ARB) Infection Report

- The year and calendar quarter of the data (e.g., 2014Q1 is Jan, Feb, Mar 2014)
- The number (count) of Access Related Bloodstream Infections (ARB) at the facility
- The mean or average rate of Dialysis Event ARB for all of NHSN (per 100 patient-months)
- The facility’s percentile rank for ARB as compared to all of NHSN (lower is better)

<table>
<thead>
<tr>
<th>Access Type</th>
<th>Summary Yr/Qtr</th>
<th>Months</th>
<th>Number Access Related Bloodstream Infections</th>
<th>Patient-months</th>
<th>Access Related Bloodstream Infection Rate/100 patient-months</th>
<th>NHSN Access Related Bloodstream Infection Rate/100 patient-months</th>
<th>Incidence Density p-value</th>
<th>Incidence Density Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fistula</td>
<td>2014Q1</td>
<td>3</td>
<td>0</td>
<td>300</td>
<td>0.00</td>
<td>0.23</td>
<td>0.7954</td>
<td>50</td>
</tr>
<tr>
<td>Graft</td>
<td>2014Q1</td>
<td>3</td>
<td>1</td>
<td>110</td>
<td>0.91</td>
<td>0.51</td>
<td>0.5435</td>
<td>82</td>
</tr>
<tr>
<td>Tunnelled</td>
<td>2014Q1</td>
<td>3</td>
<td>1</td>
<td>100</td>
<td>1.00</td>
<td>2.55</td>
<td>0.3569</td>
<td>36</td>
</tr>
</tbody>
</table>

- NHSN Dialysis Event Access Related Bloodstream Infection: a positive blood culture with the suspected source identified as the vascular access site or uncertain.
- 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.