

# NHSN Group-Level Excess Infections- Bloodstream Infection (BSI) Data Report Quick Reference

## How to Run and Filter the Excess Infections 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 'Analysis' > 'Reports' and open the 'Dialysis Events' folder and 'Excess Infections' sub-folder:
- Locate the 'Excess Infections- Bloodstream Infection (BSI) Data' report and click 'Run Report':
  - Suggestion: Click 'Modify Report' and in the 'Time Period' tab, enter the time period of interest.
  - For example: If you wanted to view data for the year of 2017, select Date Variable: Summary~Year, 'Beginning': 2017, 'Ending': 2017

Title/Format	Time Period	Filters	Display Options
Time Period:			
Date Variable	Beginning	Ending	
Summary~Yr	2017	2017	

- Make sure that the 'Display Options' tab in the 'Modify' menu has the 'Group by' drop down menu selection matches the 'Date Variable' dropdown option on the 'Time Period' tab

Title/Format	Time Period	Filters	Display Options
TAP Options:			
SIR Goal	Source: HHS Goal	Group by: Summary~Yr	

- Once modifications are made, scroll down and click 'Run'.

### Pooled Data

After running the report, you will see pooled data for all facilities in the group, located above the facility-specific table:

Number of Facilities	Summary Yr	In-Plan Patient Months	Events	Predicted BSI	Excess Infections	SIR_Goal
6	2016	1158	48	11.4846	36.515	1

## How to Read and Interpret the Excess Infections Report

Note: The Excess Infections Report will only display data for years that have ended

Facilities ranked by number of Excess Infections (highest to lowest)

The summed number of Patient-Months (denominator)

The number of BSIs reported by each facility to NHSN during the specified time

The number of BSIs predicted for each facility (using NHSN Dialysis Event national rates)

Facility Rank	Facility Org ID	CMS Certification Number	Summary Yr	Facility Name	State	In-Plan Patient Months	Events	Predicted BSI	Excess Infections
1	10055	888888	2016	Dialysis Test Facility 2	DC	268	14	3.1628	10.837
2	10001	666666	2016	Dialysis Test Facility 1	HI	162	7	1.7177	5.282
3	10856	111111	2016	Dialysis Test Facility 3	GA	27	5	0.2276	4.772
4	14215	000005	2016	Dialysis Test Facility 6	GA	22	1	0.2619	0.738

Facility Org IDs and CMS Certification Numbers (CCNs)

The time period of the data being displayed in the report

The number of Excess Infections shows the difference between the number of observed BSI Events and the number of predicted BSI Events

**Excess Infections are calculated using the same data used to calculate the Bloodstream Infection Standardized Infection Ratio (BSI SIR)**

$$\# \text{ Excess Infections} = \text{Observed} \# \text{ BSI Events} - \text{Predicted} \# \text{ BSI}$$

The facility's number of Excess Infections for the timeframe of interest

- Excess Infections > 0: more infections than predicted
- Excess Infections = 0: same as predicted
- Excess Infections < 0: fewer infections than predicted

To select facilities with the greatest number of Excess Infections, start with those facilities at the top of the report (i.e., top ranking)

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