7 Easy Steps to Generate Your Facility Monthly *Clostridium difficile* Infection (CDI) Rates in the National Healthcare Safety Network (NHSN)

**Step 1**
Once logged into NHSN, Generate a New Data Set. Select ‘Analysis’ and then select ‘Generate Data Sets’, and click ‘Generate New’.

**Step 2**
A pop-up will appear telling you that the current data set will be updated. Click ‘OK’.

**Step 3**
Once the data set is complete, a pop-up will appear stating that the data sets have been successfully generated. Click ‘OK’.

**Step 4**
Next, select ‘Analysis’ and ‘Reports’.

**Step 5**
Select ‘Multidrug-Resistant Organism (MDRO)/CDI Module Laboratory-Identified (LabID) Event Reporting’ and click on the sub-folder labeled ‘All *C. difficile* LabID Events’.

**Step 6**
Next, select ‘Rate Tables for CDI LabID Event Data’ and click ‘Run Report’.

**Step 7**
From here you can review the 7 generated rate tables specific to your facility:
- Total CDI Rate
- CDI Treatment Prevalence on Admission
- Total CDI Percent that is Community-Onset (CO)
- Total CDI Percent that is Long-Term Care Facility (LTCF)-Onset (LO) and CDI LO Percent that is Acute Care Transfer LO (ACT LO)
- Total CDI Percent that is Recurrent
- LO CDI Rate
- LO Incident CDI Rate

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Categorization of LabID Events

Total CDI Rate = \((\text{Total \# of CDI Events} / \text{Total \# of Resident Days}) \times 10,000\)

LabID Events are categorized based on the date of current admission to facility and the date specimen collected.

- **Community-Onset (CO) Laboratory-Identified (LabID) Event:**
  Date specimen collected ≤3 calendar days after current admission to the facility (i.e., days 1, 2, or 3 of admission)

- **Long-Term Care Facility (LTCF)-Onset (LO) LabID Event:**
  Date specimen collected >3 calendar days after current admission to the facility (i.e., on or after day 4)

  - **Acute Care Transfer-LTCF-onset (ACT-LO):**
    LTCF-onset (LO) LabID event with specimen collection date ≤4 weeks following date of last transfer from an acute care facility (hospital, long-term acute care hospital, or acute inpatient rehabilitation facility only)

Example: NHSN Classification of LabID Events as CO vs. LO

<table>
<thead>
<tr>
<th>Date Stool Specimen Collected</th>
<th>Day 1 Current Admission Date</th>
<th>Day 2</th>
<th>Day 3</th>
<th>On or after Day 4</th>
<th>Day 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LO</td>
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</tr>
</tbody>
</table>

CDI LabID events are further categorized based on current specimen collection date and the prior CDI LabID Event date entered into NHSN:

- **Incident CDI LabID Event:**
  Either the first LabID event ever entered for a resident while in the facility OR a specimen collected >8 weeks after the most recent CDI LabID event entered in the NHSN application.

- **Recurrent CDI LabID Event:**
  Any CDI LabID event entered >2 weeks and ≤ 8 weeks after the most recent LabID event reported for an individual resident in the facility.