**AR Option Pathogen Roll-up Workbook**

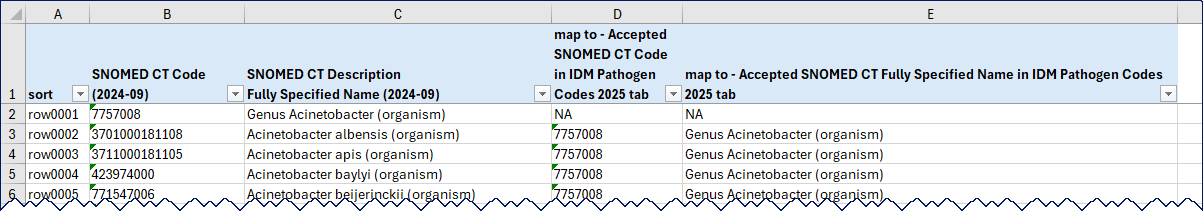
## Description

In order to maintain a consistent list of AR Option pathogens accepted into NHSN across all submitters, NHSN has relied on the “ARO Pathogens” column within the “Pathogens Codes” tab within the Information Data Model (IDM) spreadsheet to list the eligible pathogens for AR Option reporting. Advances in technology continue to allow labs to identify and classify pathogens at a more granular level and SNOMED continues to add new concepts. As a result, the NHSN AUR Module Team decided to expand the list of eligible AR Option pathogens to better capture the identification of specific pathogens. The AR Option Pathogen Roll-up Workbook must be used by all submitters to determine if a pathogen is eligible for submission into the AR Option and whether that pathogen needs to be rolled up to (or mapped-to) a higher-level concept to be accepted into NHSN. Facilities should work with their vendor to ensure all eligible pathogens are reported.

The master list of pathogens used in the IDM was pulled by the NHSN Team from the Value Set Authority Center (VSAC) using the September 2022 update. The NHSN Team then reviewed the September 2024 SNOMED-CT US version to select additional SNOMED concepts of interest beyond those that currently exist in the IDM. **The AR Option Pathogen Roll-up Workbook lists all pathogens that are eligible for AR Option reporting as of January 1, 2025.**

## Using the Workbook

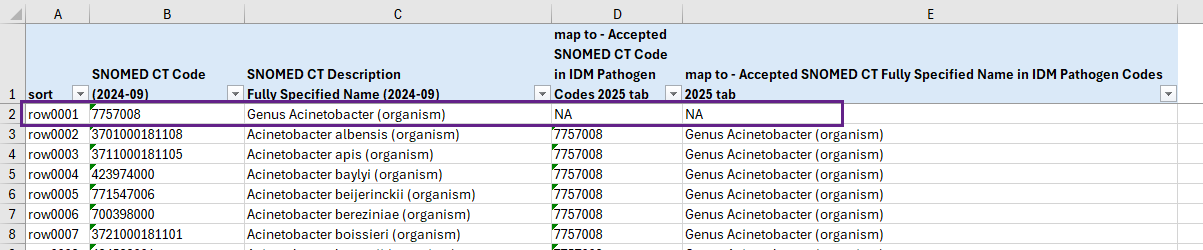
The Workbook contains 5 columns of information (example screenshot below):



* Sort (column A): Sorting by this column will group by genus, species, and subspecies (e.g., all *Acinetobacter* concepts will be grouped together).
* SNOMED CT Code (2024-09) (column B): The SNOMED CT code for the pathogen
* SNOMED CT Description Fully Specified Name (2024-09) (column C): The SNOMED CT fully specified name for the pathogen
* Map to – Accepted SNOMED CT Code in IDM Pathogen Codes 2025 tab (column D): The SNOMED CT code that pathogen should be mapped to, and reported as, in the AR Option Event CDA files
  + A value in the “map to – Code” column indicates the code in column B should be rolled up and reported as the code in column D for reporting to the NHSN AR Option.
  + An “NA” value in the “map to – Code” column indicates that code does not need to be rolled up and can be reported as the code in column B to the NHSN AR Option.
* Map to – Accepted SNOMED CT Fully Specified Name in IDM Pathogen Codes 2025 tab (column E): The SNOMED CT name that pathogen should be mapped to, and reported as, in the AR Option Event CDA files
  + A value in the “map to – Name” column indicates the name of the corresponding code in column D to improve human readability.
  + An “NA” value in the “map to – Name” column indicates that code does not need to be rolled up and can be reported as the code in column B to the NHSN AR Option.

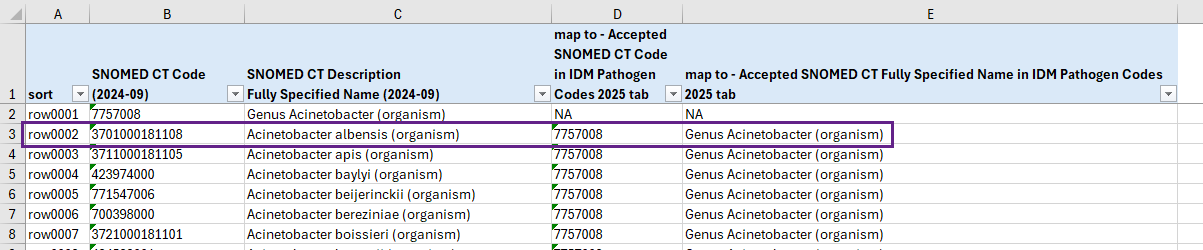
## Examples

**Example 1 – Genus *Acinetobacter***



If the lab identified a pathogen using SNOMED CT code 7757008, Genus *Acinetobacter*, that code would not require roll up as is indicated in the “map to – Code” and “map to – Name” columns by the “NA”. The SNOMED CT code 7757008 would be used in the AR Event CDA file submitted to NHSN.

**Example 2 - *Acinetobacter albensis***



If the lab identified a pathogen using SNOMED CT code 3701000181108, *Acinetobacter albensis*, that code would be rolled up by the submitter to be reported to NHSN as SNOMED CT code 7757008, Genus *Acinetobacter*. The SNOMED CT code 7757008 would be used in the AR Event CDA file submitted to NHSN.

## Additional Resources

Antimicrobial Resistance CDA Toolkit containing the AR Option Pathogen Roll-up Workbook and the IDM: <https://www.cdc.gov/nhsn/cdaportal/toolkits.html>

AUR Module Protocol: <https://www.cdc.gov/nhsn/pdfs/pscmanual/11pscaurcurrent.pdf>