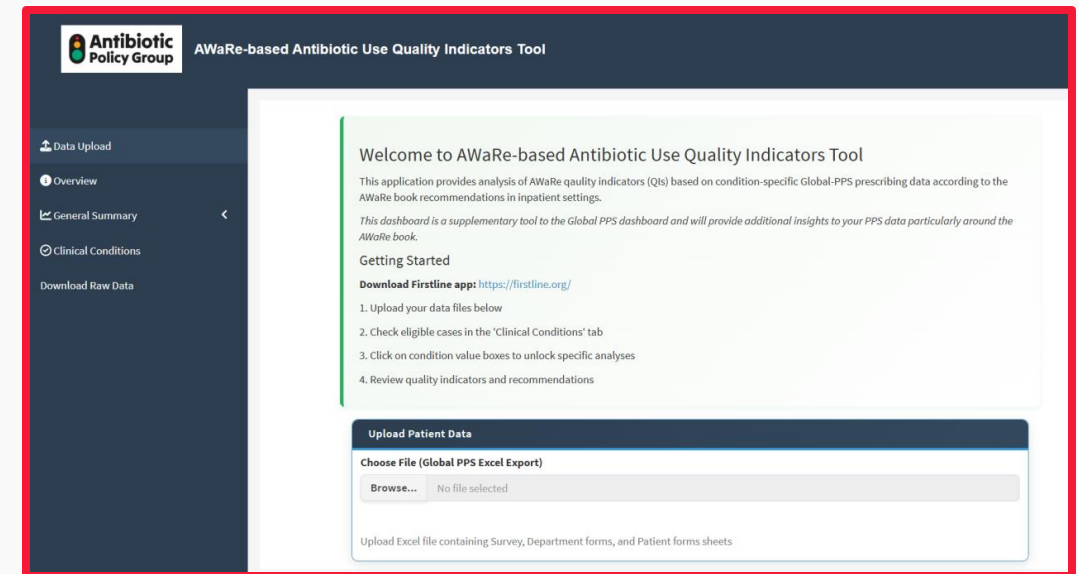


Inpatient AWaRe Quality Indicator Dashboard

User Manual

How to use the dashboard

1. How to export data from Global PPS
2. How to upload data to QI dashboard
3. Navigating different sections
 - Overview
 - General Summary
 - Clinical conditions
4. Download annotated dataset
5. Data privacy



Export datasets from Global PPS

Export your data in Excel from Global-PPS dashboard

The screenshot shows the Global-PPS dashboard interface. The 'Surveys' menu is highlighted with a red circle. Below it, the 'Export (current survey)' and 'Multi Survey Export' options are also highlighted with a red circle. A green box points to 'Export (current survey)' with the text 'Export the current survey for a hospital'. Another green box points to 'Multi Survey Export' with the text 'Export all surveys for a hospital (across all years) into one file'. A large green arrow points from the 'Export (current survey)' option to the resulting Excel file in the download bar.

My institutions ▾ Departments ▾ **Surveys ▾** Settings ▾ Instructions ▾ My profile ▾

- Available
- Subscribed
- Wards
- New Ward...
- Patients
- New Patient...
- Export (current survey)**
- Multi Survey Export**
- Longitudinal Feedback
- Merged Feedback (Inpatients)
- Merged Feedback (Outpatients)
- Interactive feedback
- Import
- Import Documents

Export the current survey for a hospital

Export all surveys for a hospital (across all years) into one file

Today

Name	Date modified	Type	Size
Global_PPS_export_example_dummy_data	02/10/2025 14:58	Microsoft Excel Work...	42 KB

Note #1: If users export data for all years, the dashboard pools the results together; it does not allow analysis by year within a single combined dataset.

To compare by year, download each PPS period separately, upload them one at a time, and then compare the outputs.

Note #2: Do not change the headings in the exported sheet; the dashboard relies on these to read the data correctly. Any changes may cause upload errors or incorrect results.

Upload dataset to AWaRe QI dashboard

Upload Global-PPS export (Excel)

The screenshot shows the 'AWARe-based Antibiotic Use Quality Indicators Tool' interface. On the left is a sidebar with navigation links: 'Data Upload', 'Overview', 'General Summary', 'Clinical Conditions', and 'Download Raw Data'. The main content area displays a 'Welcome' message and a 'Getting Started' section with four steps. An orange arrow points from the 'Upload Patient Data' section of the sidebar to a file upload box. This box has a 'Choose File (Global PPS Excel Export)' label and a 'Browse...' button. Below it, the text 'No file selected' is shown. A second orange arrow points from the 'Upload complete!' message in the bottom section to the 'Browse...' button in the upload box. The bottom section shows a green confirmation message: 'Data Successfully Loaded' and 'Your data has been uploaded successfully. Navigate to 'Clinical Conditions' to begin analysis.'

Antibiotic Policy Group AWARe-based Antibiotic Use Quality Indicators Tool

Data Upload
Overview
General Summary
Clinical Conditions
Download Raw Data

Welcome to AWARe-based Antibiotic Use Quality Indicators Tool

This application provides analysis of AWARe quality indicators (QIs) based on condition-specific Global-PPS prescribing data according to the AWARe book recommendations in inpatient settings.

This dashboard is a supplementary tool to the Global PPS dashboard and will provide additional insights to your PPS data particularly around the AWARe book.

Getting Started

Download Firstline app: <https://firstline.org/>

1. Upload your data files below
2. Check eligible cases in the 'Clinical Conditions' tab
3. Click on condition value boxes to unlock specific analyses
4. Review quality indicators and recommendations

Upload Patient Data

Choose File (Global PPS Excel Export)

Browse... No file selected

Upload Excel file containing Survey, Department forms, and Patient forms sheets

Upload Patient Data

Choose File (Global PPS Excel Export)

Browse... HA-Global-PPS_example_dummy data.xlsx

Upload complete

Upload Excel file containing Survey, Department forms, and Patient forms sheets

✓ Data Successfully Loaded

Your data has been uploaded successfully. Navigate to 'Clinical Conditions' to begin analysis.

Upload complete!

Access the dashboard from
[HERE](#)

Note #3:

- This is **independent** tool that automatically generate QIs results.
- It **complements** existing Global-PPS reports
- To offers hospitals **additional way** to explore PPS-based stewardship insights

Overview Section

Understand the dashboard

Note #3: READ THIS SECTION CAREFULLY BEFORE USING THE DASHBOARD

The dashboard interface is shown with a left sidebar and a main content area. The sidebar contains the following items: 'Data Upload', 'Overview' (highlighted with a blue box and an arrow pointing to the 'Report Overview & Condition Definitions' section), 'General Summary', 'Clinical Conditions', and 'Download Raw Data'. The main content area is divided into two sections: 'Report Overview & Condition Definitions' and 'Condition Definitions'. The 'Report Overview & Condition Definitions' section contains the title 'AWaRe Quality Indicator Analysis Report', a paragraph describing the report's scope, and a 'General Notes' section with three bullet points. The 'Condition Definitions' section lists three conditions: '1- Clinical Sepsis of Unknown Origin', '2- Meningitis', and '3- Community-acquired Pneumonia', each with its gPPS diagnostic code and definition. A blue box labeled 'Expand for more details on the included conditions' has an arrow pointing to a small upward-pointing arrow icon in the top right corner of the 'Condition Definitions' section.

Overview of the dashboard

Report Overview & Condition Definitions

AWaRe Quality Indicator Analysis Report

This report provides a summary analysis of the Global PPS (gPPS) inpatient dataset based on the WHO AWaRe system. The analysis specifically focuses on empiric antibiotic prescribing practices in adults diagnosed with any of the seven community-acquired infections (CAIs) or surgical prophylaxis (SP), for infections in the WHO AWaRe Antibiotic Book and covered by the AWaRe-based Quality Indicators (QIs).

General Notes

- This tool uses standardised data from the Global-PPS, specifically extracted from the Excel-based outputs received from Global-PPS by participating hospitals.
- Quality indicators (QIs) were mapped and interpreted based on clinical assumptions aligning WHO guidance with available gPPS diagnostic codes.
- Intravenous (IV) administration was inferred from the Global-PPS 'Route' code 'P' (Parenteral), acknowledging that while this category may include intrathecal and intraperitoneal routes, it predominantly reflects IV use in clinical practice.

Condition Definitions

1- Clinical Sepsis of Unknown Origin (Based on WHO AWaRe book)
gPPS diagnostic code: SEPSIS
gPPS definition: Sepsis of any origin (e.g., urosepsis, pulmonary sepsis, etc.), sepsis syndrome, or septic shock with no clear anatomic site, including candidemia with septic symptoms.

2- Meningitis (Based on WHO AWaRe book)
gPPS diagnostic code: CNS
gPPS definition: Includes central nervous system infections.

3- Community-acquired Pneumonia (Based on WHO AWaRe book)
gPPS diagnostic code: Pneu
gPPS definition: Includes pneumonia and other lower respiratory tract infections (LRTIs).

Note #4: The Overview section provides background on the AWaRe Quality Indicator Dashboard and the scope of its analysis.

It includes eight clinical conditions (seven community-acquired infections and surgical prophylaxis) and focuses only on QI-eligible cases, defined as adult patients receiving empiric antibiotic treatment for these conditions.

Expand for more details on the included conditions

General Summary Section

Navigate the general summary and get your insights!



Note #5: The general summary part of the analysis provides key insights, including:

- Patient distribution
- Overall antibiotic use and conditions
- Antibiotic use by AWARe
- Antibiotic use by condition
- Antibiotic use by ward
- Indication-treatment pattern by age
- Prophylaxis indications by age

An example from the general analysis

Click this button to go to the overview section and review what "QI-eligible" means

Navigate diagnoses and antibiotic use!

AWaRe-based Antibiotic Use Quality Indicators Tool

- Data Upload
- Overview
- General Summary
 - Summary of patient distribution
 - Overall antibiotic use and conditions**
 - Antibiotic use by AWaRe
 - Antibiotic use by condition
 - Antibiotic use by ward
 - Indication-treatment pattern by age
 - Prophylaxis indications by age
- Clinical Conditions
- Download Raw Data

Diagnosis and Antibiotic Use Data ← Reminder of QI Eligibility

Treated Patients by Diagnosis | Antibiotic Prescriptions by Diagnosis

This table summarizes all patients treated by diagnosis code, including QI-eligible cases.

Treated Patients by Diagnosis Code
Counts of all treated patients and QI-eligible treated patients (unique survey IDs)

Diagnosis code	Total treated patients	QI eligible treated patients
SEPSIS	54	43
Pneu	25	21
Pye	23	12
BJ	22	11
CNS	22	20
Proph	21	21
IA	15	11
Proph BJ	8	0
SST	7	6
GI	2	0

Showing 1 to 10 of 13 entries

Previous 1 2 Next

Note #6:

- This output shows which conditions/diagnoses have been identified in the dataset (and their prevalence)
- It summarises how many QI-related cases are present and how many are eligible for analysis
- Remember: QI-eligible cases are: adult patients on empiric antibiotics for one of 7 predefined community-acquired infections or for surgical prophylaxis

Navigate diagnoses (codes) identified from the dataset

Get your insights on antibiotic use by AWaRe category!

Note #7:

- Shows prescribing patterns by AWaRe category at both patient and prescription levels
- Provides insights for all data and QI-eligible cases, with breakdowns by ward and facility
- The dashboard/analysis focuses on antibiotics only

Antibiotic Policy Group AwaRe-based Antibiotic Use Quality Indicators Tool

← Reminder of QI Eligibility

Overall summary of antibiotic use by AWaRe Classification

Note: Eligible patients are adults on empirical antibiotics for predefined community-acquired infections or for surgical prophylaxis.

Hospital-Wide

Patients on antibiotics: 199
QI-Eligible patients on antibiotics: 144
Total antibiotic prescriptions (Rx): 209
Total QI-Eligible antibiotic prescriptions (QI-Eligible Rx): 152

Category	Total Patients	QI-Eligible Patients	Total Rx	QI-Eligible Rx
Access	60	35	62	36
Watch	122	95	125	98
Reserve	18	16	18	16
Not Recommended	3	1	3	1
Unclassified	1	1	1	1

Navigation menu:

- Data Upload
- Overview
- General Summary
 - Summary of patient distribution
 - Overall antibiotic use and conditions
 - Antibiotic use by AWaRe
 - Antibiotic use by condition
 - Antibiotic use by ward
 - Indication-treatment pattern by age
 - Prophylaxis indications by age
- Clinical Conditions
- Download Raw Data

Navigate the main menu

of resistance and require careful monitoring. Reserve antibiotics are reserved for critical cases involving resistant infections, typically only when other options are ineffective.

← Reminder of QI Eligibility

Orthopedic ward

Patients on antibiotics: 9
QI-Eligible patients on antibiotics: 8
Total antibiotic prescriptions (Rx): 9
Total QI-Eligible antibiotic prescriptions (QI-Eligible Rx): 8

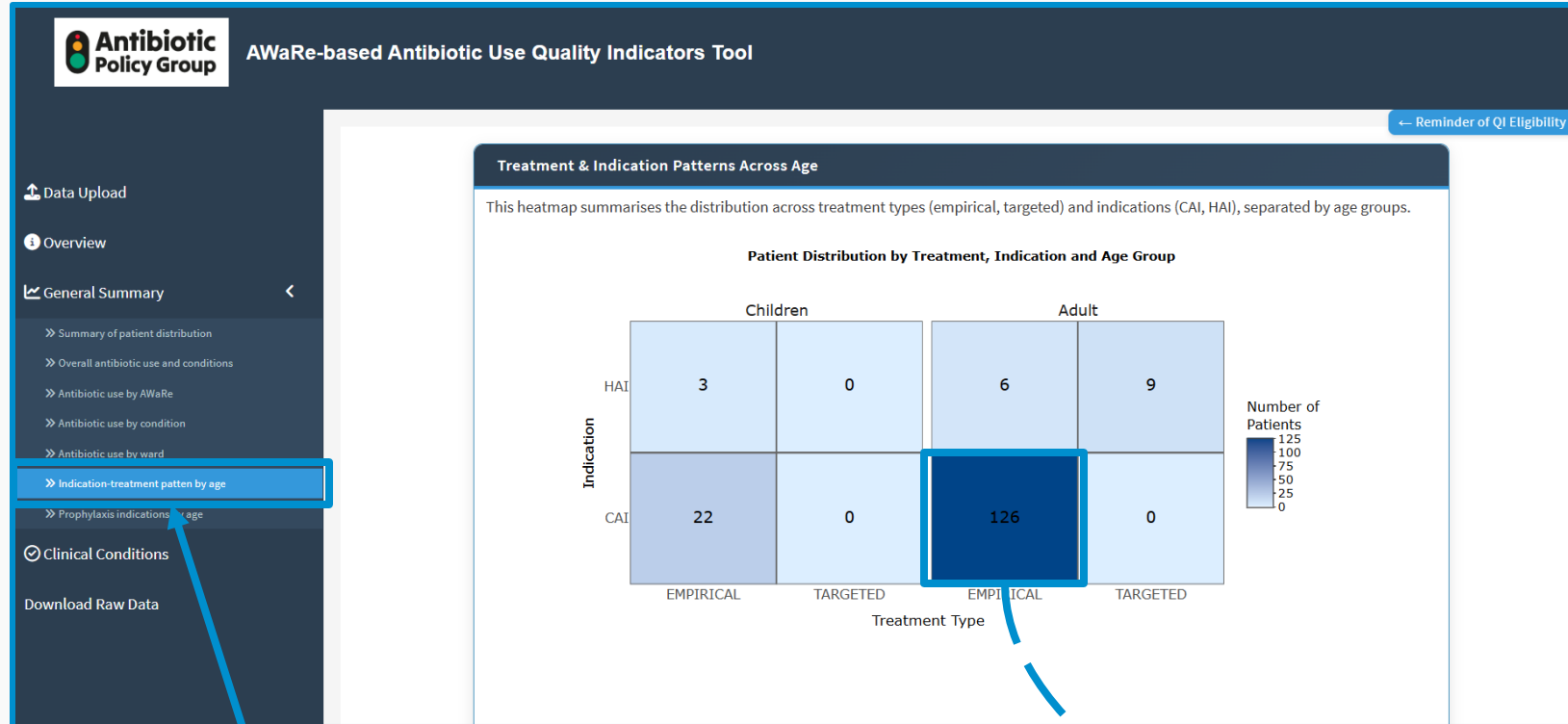
Category	Total Patients	QI-Eligible Patients	Total Rx	QI-Eligible Rx
Access	1	1	1	1
Watch	2	2	2	2
Reserve	0	0	0	0
Not Recommended	0	0	0	0
Unclassified	0	0	0	0

General Medical Ward

Patients on antibiotics: 87
QI-Eligible patients on antibiotics: 60
Total antibiotic prescriptions (Rx): 92
Total QI-Eligible antibiotic prescriptions (QI-Eligible Rx): 63

Category	Total Patients	QI-Eligible Patients	Total Rx	QI-Eligible Rx
Access	36	36	20	16
Watch	40	38	48	40
Reserve	5	5	5	5
Not Recommended	3	1	3	1
Unclassified	1	1	1	1

Navigate indication-treatment pattern by age group



Note #8:

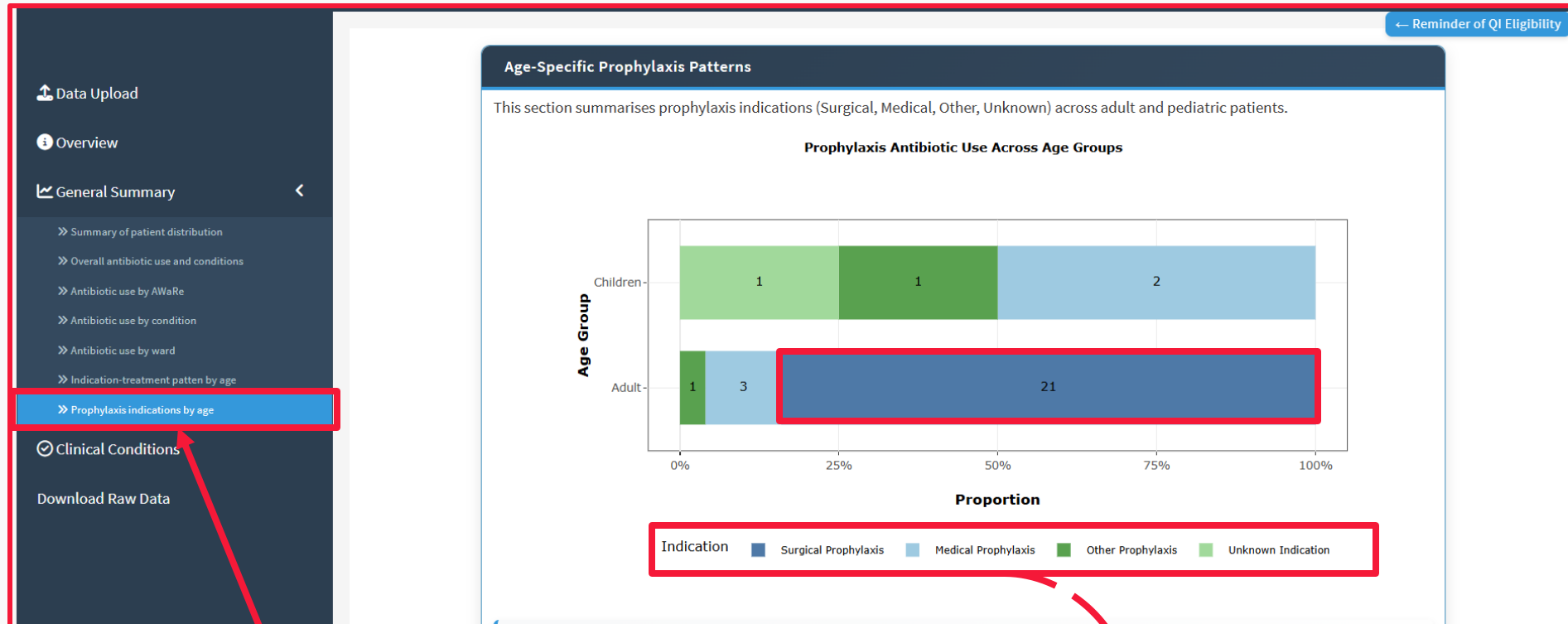
- This heatmap shows how patients are distributed by treatment type (empiric/targeted), indication (CAI/HAI) and age group.
- This highlights where most cases are concentrated in the facility (e.g. mainly CAIs, mostly adults or children).
- If there are few adult CAI cases on empiric antibiotics, QI-specific results may be limited, but the overall patterns still provide useful insight into prescribing behaviour.

Navigate indication-treatment pattern by age

Note #9:

- QI-eligible patients for the analysis are only adult patients on empiric treatment for community acquired infection (for the 7 predefined conditions)

Navigate prophylaxis indications by age group



Navigate indications by age group

Note #10:

- Summarises all prophylaxis types by age in the dataset to provide context, from which the proportion of QI-eligible group can be seen
- QI-eligible cases here are only adult patients receiving surgical prophylaxis.

Clinical Conditions Section

Navigate the included clinical conditions

Navigate condition-specific analysis

Antibiotic Policy Group AWARe-based Antibiotic Use Quality Indicators Tool

Data Upload
Overview
General Summary
Clinical Conditions
Download Raw Data

Clinical Condition	Count	Status
Bone and Joint Infections	12	Sufficient
Meningitis	23	Sufficient
Intra-abdominal Infections	11	Sufficient
Pneumonia	24	Sufficient
Surgical Prophylaxis	21	Sufficient
Upper Urinary Tract Infections	7	Limited
Undifferentiated Sepsis	48	Sufficient
Skin/Soft Tissue Infections	5	Limited

Click on the box to get condition-specific analysis/summary options!

Data Upload
Overview
General Summary
Clinical Conditions
Bone & Joint Infections
 >> Overview
 >> Antibiotic use by AWARe category
 >> Choice Alignment
 >> Dosage Alignment
Download Raw Data

Navigate different clinical conditions and the number of QI eligible cases

Note #11: The numbers show the count of Quality Indicator–eligible cases (*adult patients on empiric antibiotic treatment for community-acquired infections or surgical prophylaxis*) for each condition.

- If a condition has fewer than 10 eligible cases, the box appears in red, and related indicator outputs cannot be accessed.
- If there are 10 or more eligible cases, the box appears in green, and you can click it to open the list of analysis sections and navigate to their outputs.

Get your condition-specific insights!

Navigate condition-specific analysis/summary!

The screenshot shows the 'AWaRe-based Antibiotic Use Quality Indicators Tool' interface. On the left is a sidebar with the Antibiotic Policy Group logo and navigation links: Data Upload, General Summary, Clinical Conditions, and Bone & Joint Infections (selected). Under 'Bone & Joint Infections', there are links for Overview, Antibiotic use by AWaRe category, Choice Alignment, and Dosage Alignment. The main content area is titled 'Initial Eligible Cases Check' and contains the following text: 'This module applies WHO AWaRe Quality Indicators to adult inpatients with empirical antibiotics for community acquired bone and joint infections.' Below this, it lists 'Diagnostic code: BJ' and 'Total eligible cases: 12'. A green box at the bottom states 'Good to go! Sufficient eligible cases available.' A 'Back to Conditions' button is in the top right corner.

You can always return to the conditions menu to view other analyses

Note #12: This condition-specific overview (e.g., bone and joint infections) shows the number of QI-eligible cases in your dataset for that condition, included in the AWaRe QI analysis.

Each condition includes a set of QIs (the number may vary by condition) with outputs shown in sections such as:

- Antibiotic use by AWaRe category
- Choice alignment with AWaRe Book
- Dosage alignment with AWaRe Book

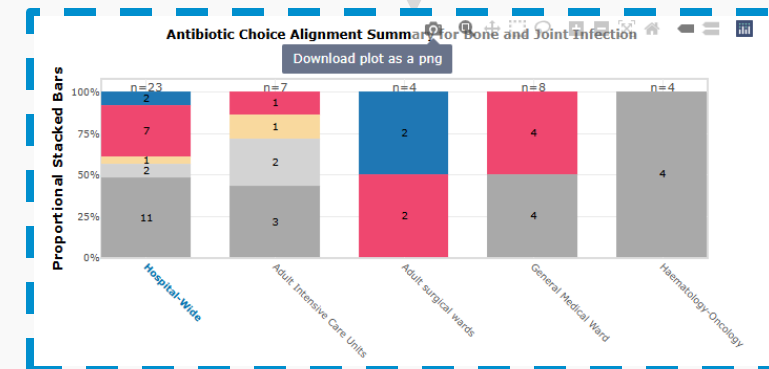


Navigate condition-specific QI indicator outputs (example)



You can always return to the conditions menu to view other analyses

Note #13: Hover over a plot to show the camera icon, then click it to download.

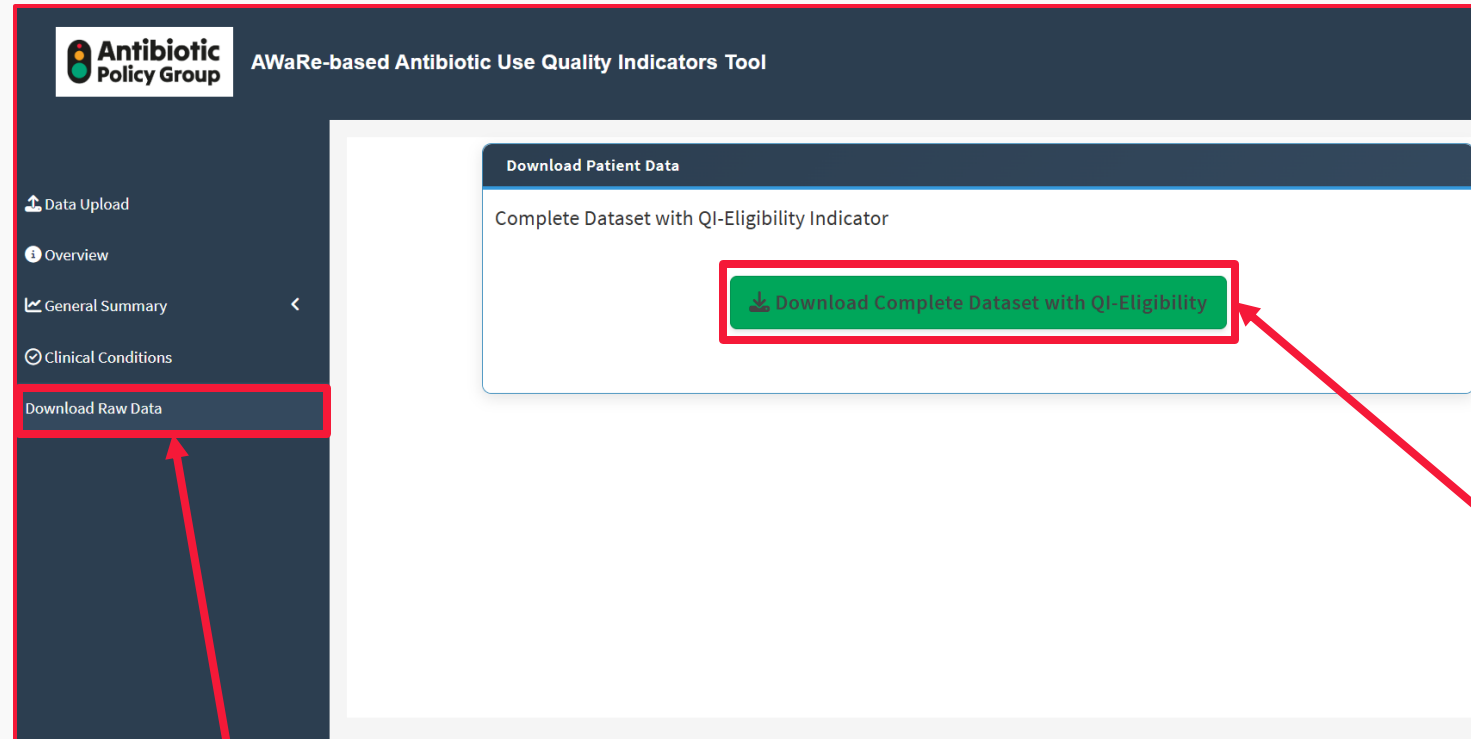


Navigate different choice alignment-related outputs!

Click “+” to view a detailed written summary of the results by department

Download annotated dataset

Download original dataset and QI-eligible cases dataset



Download the original /
annotated dataset

Note #14:

- Users can download their original Global-PPS dataset.
- The file is returned with QI-eligible patients highlighted (flagged in an added variable)
- This helps facilities explore QI results in context (e.g., seeing which antibiotics were actually prescribed for QI-eligible patients and how these relate to the reported proportions on recommended vs non-recommended treatment).

click on the bottom to get
the dataset downloaded in
excel format

Data Privacy

Data Privacy

- No data stored in the dashboard
- Once logged off, need to re-upload Excel file again to see the results

