National Center for Emerging and Zoonotic Infectious Diseases



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Objectives

You will learn how to...

- Generate data sets with and without timeboxing
- Create and modify Antimicrobial Use (AU) analysis reports:
 - Line List
 - Rate Table
 - Bar Chart
- Export reports with and without modifications
- Use various resources for the AU Option

Generating Data Sets

Generating Data Sets

- Newly uploaded data do not appear until you generate new data sets
- Your data set is a snapshot of data currently in your NHSN facility
- Each NHSN user has their own data sets — you may not see the same data as your coworkers



Timeboxing

- For quality reporting programs, you can use "timeboxing" to "freeze" your NHSN data at a specific point in time
- Survey data are not limited by timeboxing; all surveys completed by your facility are included, regardless of survey year

Timeboxing Examples

Include data for the following time period: Beginning Ending 01/2019 1 03/2019 1 Clear Time Period	Both beginning and ending = non blank Will include all data within the time period specified (for example, 01/01/19 thru 03/31/19)
2 Include data for the following time period: Beginning Ending 01/2016 1 mm/yyyy 1 Clear Time Period	Ending date = blank Will include all data from beginning date specified (01/2016) through present day
Beginning Ending Beginning Ending Imm/yyyy 1 12/2018 1 Clear Time Period	Beginning date = blank Will include all data through ending date specified (12/2018)
Include data for the following time period: Beginning Ending mm/yyyy 1 mm/yyyy Imm/yyyy 1 mm/yyyy	Both beginning and ending = blank Will include all data reported, regardless of time period

Instead of Timeboxing

 Recommend using the Time Period settings on the analysis reports modification screen instead

Title/Format	Time Period	Filters	Display Op	otions		
Time Period:						
Data Variabla	Designing	Fad				
Date variable	Beginning	Endi	ng		ar Time Derie	
summaryYM	▶ 01/2021	12/	2021		ar Time Period	.
	variable/Time pe	riod at the ti	ime vou click t	he Run but	ton	
Enter Date	······································			ine rear bac	LOII	

 More information about generating data sets and timeboxing: <u>https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/generatedatasets-psc-508.pdf</u>

AU Option Analysis Report – Line List

Line Lists

- Organized, detailed list of each record entered into NHSN
- Can be used by both facilities and groups
- Variables on display:
 - Patient care locations
 - Month
 - Total days present
 - Total antimicrobial days by route of administration (e.g., IV [intravenous], IM [intramuscular], digestive, and respiratory)

Line List Options

- Click Analysis then Reports
- On the Analysis Reports page:
 - → Antimicrobial Use and Resistance Module
 - \rightarrow Antimicrobial Use Data
- Four Line List reports

NHSN Home		Analysis Reports
Alerts		
Dashboard	•	
Reporting Plan	•	Expand All Collapse All Search
Dationt		Device-Associated (DA) Module
Patient	P	🖙 📄 Procedure-Associated (PA) Module
Event	•	🔤 HAI Antimicrobial Resistance (DA+PA Modules)
Procedure		Am 🔄 Antimicrobial Use and Resistance Module
Flocedure	×	📥 🚘 Antimicrobial Use Data
Summary Data	•	
COVID-19		
	·	SWR SAAR Report - All Neonatal SAARs (2018 Baseline)
Import/Export		
Surveys	•	
Ameliate		Generate Data Sets 🚪 Rate Table - Select Antimicrobial Groupings for Neonatal Units (2018 Baseline)
Anaiysis	1	Line Listing - Most Recent Month of AU Data for FACWIDEIN
Users		Reports
		Statistics Calculator
Facility	•	Line Listing - All Submitted AU Data for FACWIDEIN
G		- Example 2 Line Listing - All Submitted AU Data by Location
Group	•	🔀 Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates for FACWIDEIN

Line Listing – Most Recent Month of AU Data by Location



Line Listing – Most Recent Month of AU Data by Location: Run Report

- Select the Line Listing Most Recent Month of AU Data by location
- Click "Run Report" to generate the default report

 E Li	ine Listing - Mo	t Recent Month of AU Data by Location
	Run Report	AU Data for FACWIDEIN
 , ,	Madle, Dawa	AU Data by Location
 ¥	моану керог	1000 1000 1000 1000 1000 1000 1000 100
 Ŧ	Export Data	Get AU Data - Antimicrobial Utilizati
		I with at ALL Data. Autimized bid

Line Listing – Most Recent Month of AU Data by **Location: Output**

National Healthcare Safety Network

5 Esharam 47 2022 - 60-25 AM

Line Listing - Most Recent Month of AU Data by Location

The report will appear in a new tab and display for the most recent month of data reported by location

orgID	summaryYM	drugIngredientDesc	location	antimicrobialDays	numDaysPresent	numAdmissions	IM_Count	IV_Count	digestive_Count	respiratory_Cour
33617	2022M01	AMAN - Amantadine	BCC	1	320		0	1		
33617	2022M01	AMK - Amikacin	BCC	10	320		0	4	0	
33617	2022M01	AMOX - Amoxicillin	BCC	4	320		0	0	4	
33617	2022M01	AMOXWC - Amoxicillin with Clavulanate	BCC	2	320		0	2	0	
33617	2022M01	AMP - Ampicillin	BCC	3	320		0	3	0	
33617	2022M01	AMPBLIC - Amphotericin B lipid complex	BCC	8	320		4	4		
33617	2022M01	AMPH - Amphotericin B	BCC	0	320		0	0	0	
33617	2022M01	AMPHOT- Amphotericin B Liposomal	BCC	0	320		0	0	0	
33617	2022M01	AMPIWS - Ampicillin with Sulbactam	BCC	3	320		0	3	0	
33617	2022M01	ANID - Anidulafungin	BCC	1	320		0	1	0	
33617	2022M01	AZITH - Azithromycin	BCC	3	320		0	3	0	
33617	2022M01	AZT - Aztreonam	BCC	4	320		0	4	0	

*All data presented are fictitious and used for illustrative purposes only.

Line Listing – Most Recent Month of AU Data by Location: Output continued

 Includes: Facility orgID, month/year, antimicrobial, the number of antimicrobial days, number of days present, and the stratified routes of administration (IM, IV, digestive, respiratory)

National Healthcare Safety Network Line Listing - Most Recent Month of AU Data by Location As of: February 24, 2022 at 4:26 PM Date Range: All SUMMARYAUMONTH

if (((location ~= "FACWIDEIN")))

location=BCC

orgID	summaryYM	drugIngredientDesc	location	antimicrobialDays	numDaysPresent	numAdmissions	IM_Count	IV_Count	digestive_Count	respiratory_Count
33617	2022M01	AMAN - Amantadine	BCC	1	320		0	1		0
33617	2022M01	AMK - Amikacin	BCC	10	320		0	4	0	6
33617	2022M01	AMOX - Amoxicillin	BCC	4	320		0	0	4	0
33617	2022M01	AMOXWC - Amoxicillin with Clavulanate	BCC	2	320		0	2	0	0

Line Listing – Most Recent Month of AU Data by Location: Interpretation

- **1**. For Amoxicillin, there were 4 antimicrobial days for this location (BCC)
- 2. There were 320 days present for this location
- 3. All four antimicrobial days were administered via the digestive route

Natio Line	onal Health Listing - M	icare Sa lost Re	afety Network cent Month of AU Data by Loc	ation						
orgID	summaryYM	location	drugIngredientDesc	antimicrobialDays	numDaysPresent	numAdmissions	IM_Count	IV_Count	digestive_Count	respiratory_Count
33617	2022M01	BCC	AMAN - Amantadine	1	320		0	1		0
33617	2022M01	BCC	AMK - Amikacin	10	320		0	4	0	6
33617	2022M01	BCC	AMOX - Amoxicillin	4	2 320		3 0	0	4	0
33617	2022M01	BCC	AMOXWC - Amoxicillin with Clavulanate	2	320		0	2	0	0
33617	2022M01	BCC	AMP - Ampicillin	3	320		0	3	0	0
33617	2022M01	BCC	AMPBLIC - Amphotericin B lipid complex	8	320		4	4		0

AU Option Analysis Report – Selected Drugs Rate Table

Rate Tables

- AU Option rate tables display the calculated rate of antimicrobial use
- Report options include rates of use for facility-wide inpatient (FACWIDEIN) or by location
- Rates can be calculated for:
 - Drug category and class
 - Individual drugs (modified Selected Drugs option)
 - Specific drugs within same or separate classes (modified Selected Drugs option)
 - E.g., cefepime and ceftazidime two of the many cephalosporins
 - Different class
 - E.g., Anti-Fungal or Anti-Bacterial

Rate Table Options

- Click Analysis then Reports
- On the Analysis Reports page:
 → Antimicrobial Use and Resistance Module
 - ightarrow Antimicrobial Use Data
- Several Rate Tables available

🔁 A	ntimicrobial Use and Resistance Module
4	🖥 Antimicrobial Use Data
	SWR SAAR Report - All Adult and Ped SAARs (2017 Baseline)
	SWR SAAR Report - All Adult and Ped SAARs by Location (2017 Baseline)
	····· 👐 SAAR Report - All Neonatal SAARs (2018 Baseline)
	swe SAAR Report - All Neonatal SAARs by Location (2018 Baseline)
	💹 Rate Table - Drugs Predominantly Used for Extensively AR Bacteria (2017 Baseline)
	📈 Rate Table - Select Antimicrobial Groupings for Neonatal Units (2018 Baseline)
	🔚 Line Listing - Most Recent Month of AU Data for FACWIDEIN
	Line Listing - Most Recent Month of AU Data by Location
	🔤 Line Listing - All Submitted AU Data for FACWIDEIN
	🔤 Line Listing - All Submitted AU Data by Location
	🗝 🌌 Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates for FACWIDEIN
	🔤 📈 Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates for FACWIDEIN
	🗝 📈 Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates by Location
	🗝 🌌 Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates by Location
	🖙 📈 Rate Table - Selected Drugs - FACWIDEIN - Most Recent Month
	🖙 📈 Rate Table - Selected Drugs - FACWIDEIN - All Months
	🖙 📈 Rate Table - Selected Drugs - by Location - Most Recent Month
	🐺 Rate Table - Selected Drugs - by Location - All Months
	🖙 🤥 Pie Chart - Most Recent Month of AU Data by Antibacterial Class and Location
	🖙 🥕 Pie Chart - All AU Data by Antibacterial Class and Location
1	

Rate Table – Selected Drugs – by Location – Most Recent Month

- Click Analysis then Reports
- On the Analysis Reports page:
 → Antimicrobial Use and Resistance Module
 - \rightarrow Antimicrobial Use Data
 - → Rate Table Selected Drugs by Location Most Recent Month



Rate Table – Selected Drugs – by Location – Most Recent Month: Modify Report

• Choose "Modify Report" to generate the rate table for a single drug



Rate Table – Selected Drugs – by Location – Most Recent Month: Making Modifications

- In the Modification box, click on the box on top for "Show descriptive variable names."
- Select the "Filters" tab. Add a filter for "Antimicrobial Agent ~ Description" "equal" "VANC-Vancomycin", then click "Run" to run the report.

Modify "Rate Table ⁴ ਤਵੇlected Drugs - by Location - Most Recent Mon	th"		
Show descriptive variable names (<u>Print List</u>)	Analysis Data Set: AU_DrugRates1monLocation	Type: Rate Table	Last Generated: February 11, 2022 8:59 AM
Title/Format Time Period Filters Display Options			
Additional Filters: 🛽 Show 🗶 Clear			
AND OR			Add group
AND OR			Add rule
L. Antimicrobial Agent~Description 💙 equal 🗸 🗸	ANC - Vancomycin	√	Delete
		Run	Save Export Close

Rate Table – Selected Drugs – by Location – Most Recent Month: Interpretation

- Table header displays the drug(s) selected on the modification screen
- Rate table generated for the BCC location and shows 29 Vancomycin antimicrobial days
- In January 2022 the rate of Vancomycin use in the BCC location was 90.63 antimicrobial days per 1000 days present.

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 Rate Table - Selected Drugs from Most Recent Month of AU Data - Antimicrobial Utilization Rates by Location

 Rate per 1,000 Days Present

 As of: February 22, 2022 at 9:58 AM

 Date Range: All AU_DRUGRATES1MONLOCATION

 if (((drugingredientDesc = "VANC")))

 Facility Org ID=33617 CDC Location=IN:ACUTE:CC:B Location=BCC

 Summary Year/Month Antimicrobial Days Days Present Rate per 1000 Days Present

 2022M01

 2022M01

 Any reported use of Colistin will be combined with and reported as Colistimethate. Any reported use of Amikacin Liposomal will be combined with and reported as Amikacin.

AU Option Analysis Report – Bar Chart

Bar Charts

- A bar chart is a graphical representation of data where the length or height of the bars represents counts of records meeting the criteria
- Bar charts can only be produced as HTML output and therefore the results will appear in a pop-up window in your browser
- Report options include:
 - Most recent month or all data
 - Use by antimicrobial category (antibacterial, antifungal, and antiinfluenza) and class
 - Selected drugs

Finding Bar Charts

Click Analysis then Reports

Procedure Summary [

COVID-19 Import/Exp Survevs

Analysis Users

Facility Group

Logout

 On the Analysis Reports page:

→ Antimicrobial Use and Resistance Module

 \rightarrow Antimicrobial Use Data

 The bar charts are at the bottom of the list

		🚛 📴 Antimicrobial Use and Resistance Module
		🚛 🔁 Antimicrobial Use Data
Data	•	
	•	
		swe SAAR Report - All Neonatal SAARs (2018 Baseline)
ort		
	•	— 📈 Rate Table - Drugs Predominantly Used for Extensively AR Bacteria (2017 Baseline)
		— W Rate Table - Select Antimicrobial Groupings for Neonatal Units (2018 Baseline)
		— Image: Line Listing - Most Recent Month of AU Data for FACWIDEIN
	•	— Image: Line Listing - Most Recent Month of AU Data by Location
	•	- 🔚 Line Listing - All Submitted AU Data for FACWIDEIN
		- 🔚 Line Listing - All Submitted AU Data by Location
		- 📈 Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates for FACWIDEIN
		- 📈 Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates for FACWIDEIN
		- 📈 Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates by Location
		- 📈 Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates by Location
		📈 Rate Table - Selected Drugs - by Location - Most Recent Month
		- 🥠 Pie Chart - Most Recent Month of AU Data by Antibacterial Class and Location
		— 🥕 Pie Chart - All AU Data by Antibacterial Class and Location
		- 🥠 Pie Chart - Most Recent Month of AU Data by Antifungal Class and Location
		— 🥕 Pie Chart - All AU Data by Antifungal Class and Location
		- 🥠 Pie Chart - Most Recent Month of AU Data by Anti-influenza Class and Location
		— 🥠 Pie Chart - All AU Data by Anti-influenza Class and Location
		- 📲 Bar Chart - All Data - Selected Agent Distribution by Month
		- II Bar Chart - Most Recent Month of AU Data by Antibacterial Class and Location
		- II Bar Chart - All AU Data by Antibacterial Class and Location
		- II Bar Chart - Most Recent Month of AU Data by Antifungal Class and Location
		- 📲 Bar Chart - All AU Data by Antifungal Class and Location
		- 📲 Bar Chart - Most Recent Month of AU Data by Anti-influenza Class and Location
		Bar Chart - All AU Data by Anti-influenza Class and Location
		🖙 🔄 Antimicrobial Use Data - 2014 Baseline SAARs
		🔚 Antimicrobial Resistance Data

Bar Chart – Most Recent Month of AU Data by Antibacterial Class and Location

- Click on Analysis then Reports
- On the Analysis Reports page:
 Antimicrobial Use and Resistance Module
 - → Antimicrobial Use Data
 - → Bar Chart Most Recent Month of AU Data by Antibacterial Class and Location



Bar Chart – Most Recent Month of AU Data by Antibacterial Class and Location: Output

- Displays most recent month of data reported by Antibacterial Class and Location
- Displayed in alphabetical order by location



*All data presented are fictitious and used for illustrative purposes only.

Bar Chart – Most Recent Month of AU Data by Antibacterial Class and Location: X-axis

The X-axis

 (antimicrobialDays) is the total number of antimicrobial days and is represented by the length of the bars



Bar Chart – Most Recent Month of AU Data by Antibacterial Class and Location: Y-axis

 The Y-axis is antimicrobial class (antibacterial class in this example); one bar is displayed alphabetically for each antibacterial class



Bar Chart – Most Recent Month of AU Data by Antibacterial Class and Location: Interpretation

- The longer the bar, the greater number of antimicrobial days contributed by that class of antibacterial.
- Cephalosporins

 represented the greatest
 number of antimicrobial
 days (53) which was
 approximately 16% of all
 antibacterial therapy in
 this location/month.



*All data presented are fictitious and used for illustrative purposes only.

Exporting Data Sets

Exporting Data Sets

- You may want to work with the data outside of NHSN application.
- Users can export data:
 - Entire analysis data set
 - Provides <u>all</u> variables in the data set
 - Modified/limited analysis data set
 - Provides <u>limited</u> variables and/or <u>limited</u> data

Exporting the Entire Data Set

 To export the entire data set, click on the Analysis report you'd like to export data from and click on "Export Data Set"



Exporting Data Sets: Format

Select the export format

Analysis Data Set	: AU_SAAR_2017	
Export Format:	delimited file (comma-separated values) (*.csv) 🗸]
	delimited file (comma-separated values) (*.csv) delimited file (tab-delimited values) (*.txt) Excel spreadsheet (*.xlsx) Excel spreadsheet (*.xls)	ncel
١	SAS for Windows V7/8/9 (*.sas7bdat) JavaScript Object Notation - zipped (*.json) JavaScript Object Notation (*.json)	

Exporting Data Sets: Zip File

• When downloaded, the file will appear as a ZIP file



ZIP will contain the exported data set in the format chosen

Name	Туре			
AU_SAAR_2017.csv	Microsoft Excel Comma Separated Values File			

Exporting Data Sets: Output

• All variables in the analysis data set will be listed as columns in the output.

	Α	В	С	D	E	F	G	Н	I	J	K	L	М
1	orgID	summaryYM	SAARType_2017	location	orgloc	numDaysPresent	locCDC	summaryYR	summaryYH	summaryYQ	CCN	OID	facType
2	13860	2020M01	Adult_All-Antibacterial_2017	AD_STP_DN	13860-AD_STP_DN	1957	IN:ACUTE:STEP	2020	2020H1	2020Q1	999999	2.111.111.111.10009	HOSP-GEN

Exporting with Modifications

- If you'd like to export specific data such as only one quarter, one drug or one location, export the modified/limited data set.
- Select the report and choose "Modify Report."



Exporting with Modifications: Example

- Make the desired modification(s) to export
- Modified to export only one year of data selecting "Summary~Yr" beginning and ending with 2021
- Click Export

Modify "SAAR Report - All Adult and Ped SAARs by Location (2017 Baseline)"									
l	Show descriptive variable names (<u>Print List</u>)					Analysis Data Set: AU_SAAR_2017 Type: SAAR Last Generated: February 11, 2022 8:59 AM			
	Title/Format	Time Per	iod	Filters	Display Options				
	Time Deried								
	Date Variable	2	Begin	ning	Ending				
	Summary~Yr	· • •	2021		2021	Clear Time Period			
	🗆 Enter Date	e variable/Ti	me per	iod at the ti	me you click the Run I	button			
						🕨 Run 🖷 Save 👔 Export Close			

Exporting with Modifications: Example (continued)

- Select the desired export format
- Select "Export Analysis Data Set using Modifications"
- A ZIP file will appear containing the exported data set.

Export Analysis Data Set							
Analysis Data Se	t: AU_SAAR_2017						
Export Format:	delimited file (comma-separated values) (*.csv) 🗸						
	O Export Entire Analysis Data Set						
	Export Analysis Data Set using Modifications						
	in Export Cancel						

Exporting with Modifications: Output

• The modified/limited data will appear with each variable as a column

	A	В	С	D	E	F	G	Н	1	J	K	L
							Predicted				95%	
				Summary		Antimicrobial	Antimicrobial			SAAR p-	Confidence~	SAAR
1	Facility Org ID	SAAR Type 2017 Baseline	Location	Year/Month	CDC Location	Days	Days	Days Present	SAAR	value	Interval	Percentile
2	13860	Adult_All-Antibacterial_2017	AD_STP_DN	2021M01	IN:ACUTE:STEP	694	1095.314	1827	0.634	0	0.588, 0.682	17
3	13860	Adult_All-Antibacterial_2017	AD_STP_DN	2021M02	IN:ACUTE:STEP	690	1122.292	1872	0.615	0	0.570, 0.662	15

AU Analysis Resources

NHSN AUR Module Resources

- NHSN AUR Module webpage: <u>https://www.cdc.gov/nhsn/psc</u> /aur/index.html
- One-stop shop for:
 - Protocol
 - Validation material
 - Link to training resources
 - Link to Analysis Quick
 Reference Guides
 - Link to FAQs
 - Link to CDA Toolkits

Protocols		AUR Training
Chapter 14: Antimicrobial Use and Resistance (AUR) Module – Janu [PDF – 1 MB]	<u>ary 2022</u> 🦻	Educational Roadmap
2022 Summary of Updates 🖪 [PDF – 200 KB]		AU Case Examples
Supporting Chapters		
Chapter 1: NHSN Overview – January 2022 🛛 [PDF – 350 KB]		AU Synthetic Data Set
<u>Chapter 3: Patient Safety Monthly Reporting Plan – January 2022</u> [PDF – 300 KB]		CDA Toolkits
Chapter 15: CDC Location Labels and Location Descriptions – Janu	ary 2022 📕	
[PDF – 1 MB]	Top of Page	Quick Reference Guides How to run, modify and interpret all AUR Module reports.
Data Collection Forms & Instruct	ions	
		FAQs
Annual Facility Survey Forms	Top of Page	Antimicrobial Use (AU) Option

AUR Training Materials

Antimicrobial Use and Resistance (AUR) Options



AUR Training Page

- This page provides several videos & presentation slide decks for training purposes
- <u>https://www.cdc.gov/nhsn/t</u> <u>raining/patient-safety-</u> <u>component/aur.html</u>

AUR Training On This Page **Training Videos Training Videos** NHSN Antimicrobial Resistance (AR) Option: Facility-Wide Antibiogram F **Quick Learns** Report – March 2021 YouTube Link [Video – 23 min] See Also Slideset A [PDF – 2 MB] Antibiotic Stewardship - May 2019 **AUR Module** YouTube Link [Video – 27 min] PSC Overview Training • Slideset 📙 [PDF – 2 MB] Analysis Training Antimicrobial Use (AU) Option: Reporting and Analysis – May 2020 • YouTube Link [Video - 50 min] **AUR Roadmap** • <u>Time stamps by section</u> [PDF – 250 KB] A step-by-step guide to • Slideset 📙 [PDF – 4 MB] AUR surveillance for new users. Antimicrobial Resistance (AR) Option: Reporting and Analysis – May **F** 2019

Review updated AR slides for 2020 [PDF – 1 MB]

<u>4</u>4

Quick Reference Guides

Antimicrobial Use and Resistance (AUR) Options



Quick Reference Guides (QRGs): AU Reports

- There are several QRGs to review on how use Line Lists, Rate Tables, Bar Charts, Pie Charts and SAARs.
- https://www.cdc.gov/nhsn/psanalysis-resources/referenceguides.html#accordion-1collapse-5

Antimicrobial Use Option

- New! 2020 Antimicrobial Use Option Data Report 🖪 [PDF 650 KB]
- <u>NHSN's Guide to the SAAR</u> [PDF 2 MB]
- Antimicrobial Use Line List 🖪 [PDF 300 KB]
- Antimicrobial Use Rate Table By Location [PDF 225 KB]
- Antimicrobial Use Rate Table FacWideIN / PDF 300 KB]
- Antimicrobial Use SAAR Baseline Rate Tables [PDF 800 KB]
- Antimicrobial Use Bar Chart 📕 [PDF 300 KB]
- Antimicrobial Use Bar Chart Selected Drugs 📙 [PDF 400 KB]
- Antimicrobial Use Pie Chart 📙 [PDF 300 KB]
- Keys to Success with the SAAR
- Antimicrobial Use SAAR Table [PDF 1 MB]
- Antimicrobial Use SAAR Table By Location 📙 [PDF 750 KB]
- Antimicrobial Use SAAR Bar Chart by Location [PDF 1 MB]

Frequently Asked Questions (FAQs)



NHSN AU FAQ page

- The AU FAQ page allows for users to click on the topic they have questions about and review answers and examples
- <u>https://www.cdc.gov/nhsn</u> /faqs/faq-au.html

FAQs: Antimicrobial Use (AU) Option					
On This Page					
General Submission					
Promoting Interoperability (formerly Meaningful Use)					
Monthly Reporting Plan					
Locations					
Antimicrobial Days					
Days Present					
Data Import					
General AU Option Analysis					
Standardized Antimicrobial Administration Ratio (SAAR)					

Thank you!

For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

NATIONAL HEALTHCARE SAFETY NETWORK ANTIMICROBIAL USE OPTION

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

