



Antibiogram App

Quick Start Guide



VA
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in the 21st Century



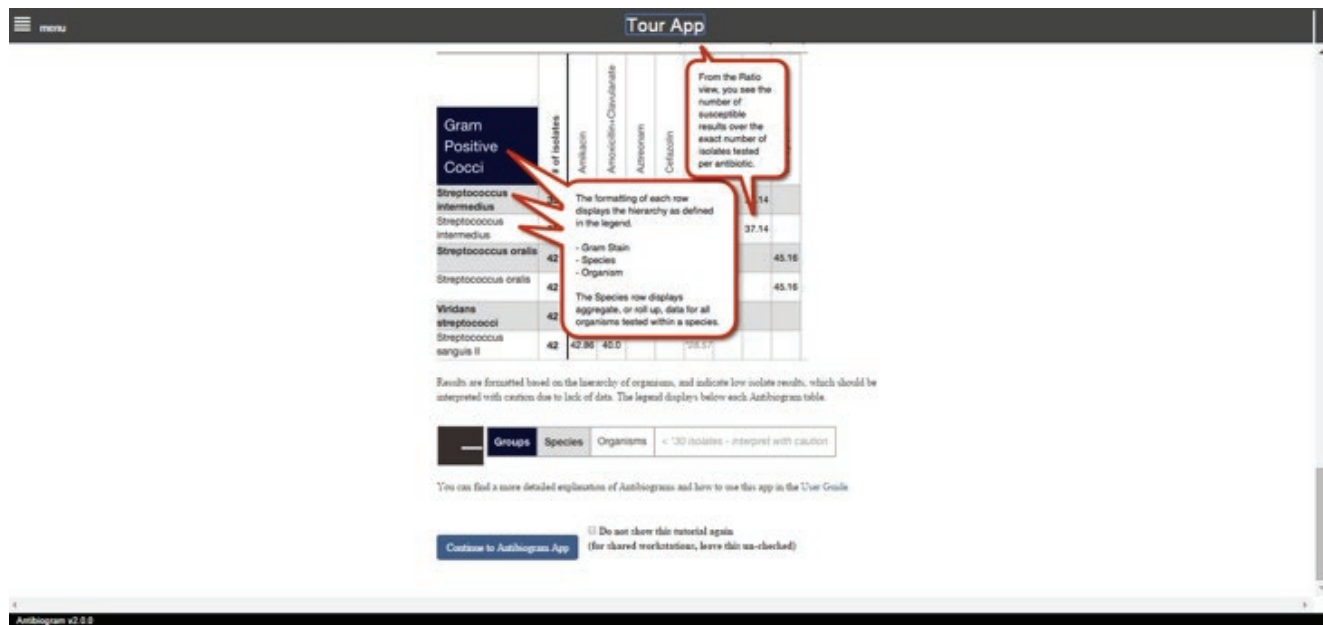
Overview

If you are a member of a Department of Veterans (VA) care team, the Antibigram mobile application (app) provides you with easy access to cumulative antibiograms (antibiotic resistance data pooled for isolates of the same species, collected from in vitro testing) from any VA Medical Center (VAMC). The app shows you data from the VA Corporate Data Warehouse (CDW) that tracks patterns of antibiotic resistance across every VAMC. With this up-to-date information conveniently in your hand, the app helps you make educated choices about which antibiotics you should prescribe for your patients when the pathogen(s) have not yet been isolated or their resistance pattern determined.

1

Touring the App

When you first access the app, you will see a Tour App screen that walks you through the basics of how to use the app and how to interpret antibiogram data. Read through the Tour App screen, and tap **Continue to Antibigram App** at the bottom of the screen to enter the app.



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Finding a VAMC

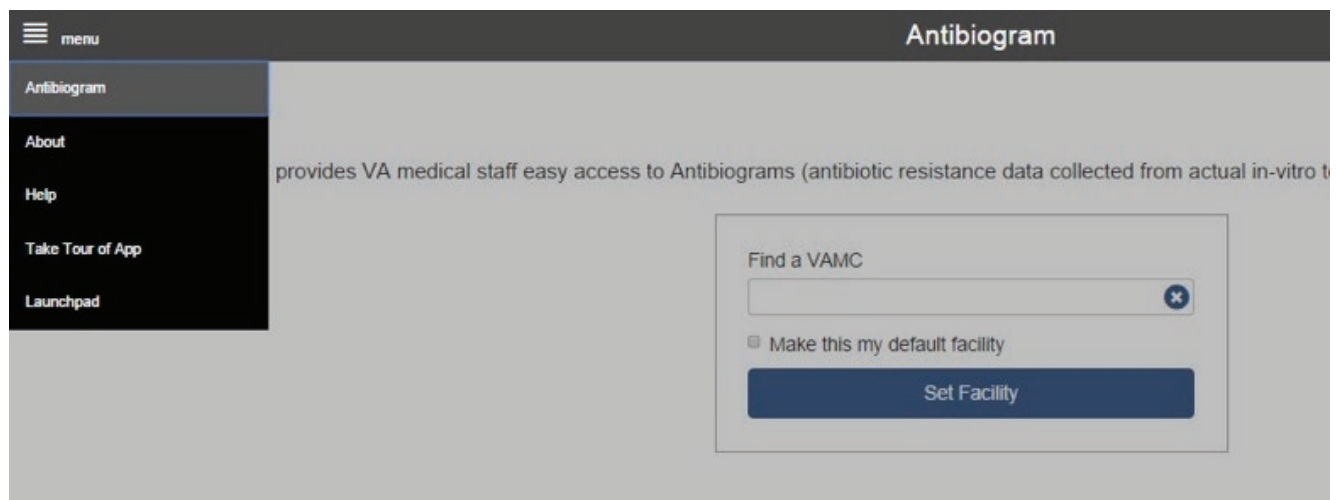
When you enter the app, you will see the Antibigram landing screen with a Find a VAMC search box. Begin typing in the name of a VAMC into the search box, and a drop-down list of matching VAMCs will appear. Tap on the VAMC whose data you would like to view, and then tap **Set Facility**. After you have entered the app, you can always change the VAMC whose antibiogram data you would like to view by tapping **Change Facility** in the upper right corner.

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Navigating the app with the Menu

The app menu is available from any screen, allowing you to easily move through the app and access helpful information about how to use the app and interpret antibiogram data. Tap the menu button with the four-line icon in the upper left corner, and a drop-down menu will appear. Tap the category you would like to view:

- **Antibiogram** – search for a specific VAMC's antibiogram data by Gram Stain, Species or Organism
- **About** – learn more about the purpose and functionality of the app
- **Help** – see information on antibiotics and antibiogram data and instructions for interpreting the data
- **Take Tour of App** – walk through how to use the app and interpret the antibiogram table
- **Launchpad** – access the VA Launchpad for other VA Apps without needing to log in to each app individually



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Searching for antibiogram data

The Antibigram Home screen is divided into two panes. On the left side of the screen, you will see two tabs: Grams and Search, which allow you to choose how you would like to search for antibiogram data (**NOTE:** “Grams” is an abbreviation for “Gram Stain”). Once you have selected your search criteria on the left, the antibiogram data will appear in a table on the right side of the screen. The antibiogram table will automatically update as you adjust your criteria.

If you use the Grams tab (**NOTE:** “Grams” is an abbreviation for “Gram Stain”), tap on a circle next to either Gram Positive Cocci, Gram Positive Rods, Gram Negative Cocci or Gram Negative Rods. If you use the Search tab, begin typing the name of a Gram Stain, Species or Organism, and tap a selection from the drop-down list of matching results that will appear.

After you have searched for antibiogram data, you can adjust the Filters as necessary on the left side of the screen to change how the table of antibiogram data will be displayed in the right side of the screen.

NOTE: On the smartphone app, you will not have the option of searching by Gram Stain Bucket, and your search results will appear in a different tab.

The screenshot shows the Antibigram app interface. At the top, it says "Antibiogram (Updated: 2014-12-18)" and "HOUSTON VAMC Change Facility". The interface is split into a left sidebar and a main table area. The sidebar has two tabs: "Grams" and "Search". Under "Grams", there are radio buttons for "Gram Positive Cocci", "Gram Positive Rods", "Gram Negative Cocci", and "Gram Negative Rods" (which is selected). Below this is a "Filters:" section with radio buttons for "12 months" and "24 months" (selected), and radio buttons for "Percent Susceptible" (selected) and "Ratio of Susceptible to Number Tested". There are also checkboxes for "Show Only Common Species" (checked) and "Hide Low Isolate Data" (unchecked). The main table area is titled "Antibiotics (Percent Susceptible)" and has a "Full Screen" button. The table has columns for "# of isolates" and various antibiotics: Ampicillin, Ampicillin+Subactam, Aztreonam, Beta lactamase extended spe, Cefazolin, Cefepime, Cefotaxime, and Cefazidime. The rows list Gram Negative Rods species: Acinetobacter baumannii, Citrobacter freundii, Enterobacter aerogenes, Enterobacter cloacae, and Escherichia coli. A tooltip for Escherichia coli says "< *30 isolates - interpret with caution".

Gram Negative Rods	# of isolates	Ampicillin	Ampicillin+Subactam	Aztreonam	Beta lactamase extended spe	Cefazolin	Cefepime	Cefotaxime	Cefazidime
Acinetobacter baumannii	13						*54		*4
Citrobacter freundii	78						99		
Enterobacter aerogenes	78						99		
Enterobacter cloacae	141						99		
Escherichia coli	< *30 isolates - interpret with caution					84	2	*100	*100

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Viewing antibiogram data from another VAMC

Tap **Change Facility** in the upper right corner, and a pop-up Change Facility box will appear. Begin typing the name of the VAMC in the search bar under the Find a VAMC heading, and a drop-down list of matching VAMCs will appear. Tap on the name of the VAMC whose antibiogram data you would like to view, and tap **Set Facility** to view results for the VAMC you have selected.

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Searching for complete antibiogram information in a facility

Tap **Complete Antibiogram** at the bottom of the Grams or Search tabs (**NOTE:** “Grams” is an abbreviation for “Gram Stain”). A PDF of the VA facility’s antibiogram data will appear in a new tab. If desired, download, save and/or print the PDF as you do most documents.

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Getting help interpreting antibiogram data

There are options built into the app to help you:

- App Tour and Antibiogram Interpretation – An app tour is available when you first access the Antibigram App, but you can revisit the tour at any time. Tap the menu button with the four-line icon in the upper left corner, and tap **Take Tour of App**. You will see an overview of the app and how to interpret antibiogram data.
- User Guide – At the bottom of the Tour App screen, tap **User Guide**. An in-depth user guide will open as a PDF in a new tab that provides you with more information about the app and how to read the antibiogram results.
- Help – Tap the menu button with the four-line icon in the upper left corner, and tap **Help**. You will see a screen that provides you with an in-depth explanation of antibiograms.

If you need additional assistance understanding the data available in the app, contact your local Infectious Diseases specialists, who may be your infectious Diseases Consult Service, Inpatient Clinical Pharmacists or Infection Control. You can ask your facility operator for their contact information.

Help and Additional Information

Additional Training Materials for the Antibigram App: More resources, such as a User Manual, Slideshow and FAQs, can be found on mobile.va.gov/training.

Help Desk Information: If you need assistance with the Antibigram App, dial **1-855-500-2025** to speak with a VA representative, or consult IT support at your VAMC. The Help Desk is open weekdays from 7 a.m. to 7 p.m. CT. For TTY assistance, dial 711.