

Date: June 24, 2014
To: Edmonton, Central and North Zone Physicians and Health Care Providers
From: AHS Laboratory Services and DynaLIFE_{Dx}
Re: New Antibiogram Web Application

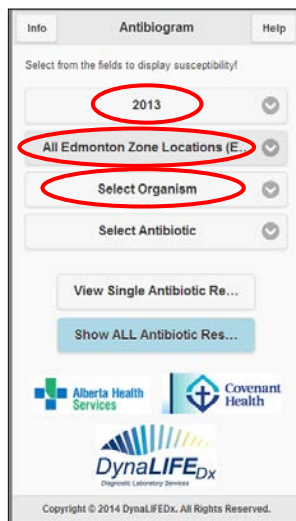
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Key Messages:

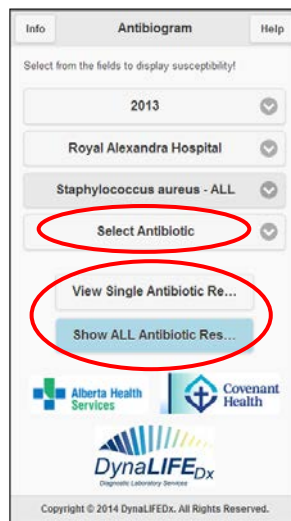
- DynaLIFE_{Dx} (DL) is pleased to launch a new web app version of the antibiogram to improve access to data to support clinical decisions regarding empiric antibiotic choice.
- The antibiogram can now be accessed on your mobile devices, provided internet access is enabled, at abx.dynalifedx.com.
- The new format provides a user-friendly platform for quick access to information when and where it matters most.
- For instructions on how to add the antibiogram web app as a bookmark or to your homescreen, please visit abx.dynalifedx.com and click on the “Help” button on the top right corner of the screen.

Instructions for use:

1. Go to abx.dynalifedx.com



2. Select the year, location and organism from each of the drop down menus.




Antibiotic	Percentage	Number of Isolates
Amoxicillin/Clavulanate	72%	(1952 Isolates)
Cefazolin	72%	(1952 Isolates)
Cephalexin	72%	(1952 Isolates)
Clindamycin	72%	(1852 Isolates)
Cloxacillin	72%	(1952 Isolates)
Doxycycline	100%	(52 Isolates)
Nitrofurantoin (urine only)	100%	(77 Isolates)
Tetracycline	90%	(1777 Isolates)
TMP/SMX	99%	(1683 Isolates)
Vancomycin	100%	(1970 Isolates)

4. The antibiotic susceptibility rates for the selected organism will be displayed.

Why this is Important:

- The antibiogram is a cumulative report of antimicrobial susceptibility rates for common microbial pathogens as tested and reported by DL. The report represents the local microbial epidemiology and is intended to be used as a guideline to direct empiric antimicrobial therapy.
- The antibiogram has been available on the DL website for several years, but the format and presentation has been improved and the information is now accessible with mobile devices.
- Data is available for the Northern Lights Health Centre in Fort McMurray, Wainwright, Westlock, Vegreville and Vermilion, and a variety of Edmonton Zone locations for which DL provides microbiology services. The data does not include UAH or CCI sites.
- Data is available for the years 2010 through 2014 and will be updated quarterly to provide the very latest susceptibility rates.
- A beta version of the app was tested by a group of practitioners in the Edmonton Zone and they provided very positive feedback, such as:

“This is exactly what I've been looking for years. It's fantastic!!!!”- *Infectious Diseases Specialist*

“Love it! Well done!”- *Infectious Diseases Specialist*

“Thanks!”- *Infectious Diseases Specialist*

“Exciting! It's great!”- *Clinical Pharmacist Lead*

“This is really a great tool!”- *Emergency Physician*

- Further enhancements to the tool are planned for later this year, including incorporation of additional clinically relevant information.

Inquiries and feedback may be directed to:

- For inquiries and feedback regarding the web app, please contact DL's Applications Support Team at appsupport@dynamifedx.com
- For questions about the Cumulative Antibiogram Report, please contact Dr. M.C. Lee at Mao-Cheng.Lee@dynamifedx.com
- For antibiotic consultation, please contact the DL microbiologist on-call at 780-451-3702

This bulletin has been reviewed and approved by:

- Dr. Carolyn O'Hara, Medical/Scientific Director and Zone Clinical Department Head, AHS Laboratory Services Edmonton Zone
- Dr. Raymond Lai, Medical Director, DynaLIFE_{DX}