



# Antimicrobial Stewardship Annual Update

DNV NIAHO Revision 23-1-IC.3.SR.3d—The leader(s) of the antimicrobial stewardship program is responsible for: competency-based training and education of organization personnel and staff, including medical staff, and, as applicable, personnel providing contracting services, on the practical applications of antibiotic stewardship guidelines, policies, and procedures

# Learning Objectives

- Understand the purpose of ASP
- Locate and utilize the MCH antibiogram

# Antimicrobial Stewardship Programs (ASP)

- Definition

- ASP promotes appropriate use of antimicrobials to
  - Improve infection cure rates
  - Reduce rates of treatment failure
  - Decrease incidence of *C. diff*
  - Decrease adverse events from medications
  - Decrease antibiotic resistance
  - Reduce hospital LOS and cost
- Multidisciplinary team with representation from Pharmacy, ID Physician, Microbiology, Infection Prevention, and Nursing staff

# DNV Requirements

- Hospitals must have an antimicrobial stewardship program including the following core elements:
  1. Leadership Commitment: dedicating resources
  2. Accountability: appointing a physician or pharmacist leader
  3. Drug expertise: appointing a pharmacist leader or co-leader
  4. Action: implement interventions to improve antibiotic use
  5. Tracking: monitoring prescribing and resistance patterns
  6. Reporting: regularly reporting antibiotic use and resistance
  7. Education: providing education to medical staff, patients, and families

# Effectiveness

- Studies have shown that antimicrobial stewardship programs have many benefits including:
  - ↓ hospital length of stay
  - ↓ antibiotic consumption
  - ↓ use of parenteral broad-spectrum antibiotics or hospital-restricted agents
  - ↓ *Clostridioides difficile* infections
  - ↓ in some multi-drug resistant pathogens

# Policies

- Policy MCH-2112
  - Committed to establishing policies and procedures that meet DNV standards
- MCH program supported by administration and the members include:
  - Infectious disease physicians: Dr. Pablo Feuillet and Dr. Eduardo Morfa
  - Pharmacy dept: Alex Rothenberger, Pharm.D.
  - Microbiology: Joselito Laguesma
  - Infection Prevention: Brenda Dalrymple
  - Pharmacists, laboratory personnel, nurses, physicians, and infection control staff

# Policies

- Infectious Disease Rounds (Policy MCH-2112)
  - Patients meeting criteria presented to ID physicians by pharmacists on Thursdays
    - Criteria for presentation: Broad spectrum antibiotics >72 hours, any antibiotics >7 days, high-cost antibiotics, and non-formulary antibiotics
    - After discussion with ID physician, if there are any recommendations, the appropriate physician will be contacted, and a note will be written in the electronic medical record
    - These interventions are tracked as accepted/declined by antimicrobial stewardship program

# MCH Antibiogram

# Antibiogram Methodology

- Includes only species with at least 30 isolates tested
- Includes the first isolate per patient in the period analyzed, irrespective of the body site from which the specimen was obtained
- Results include all drugs from the microbiology report, even those that may not be part of the standard panel
  - Results for drugs not on the standard panel may have less than 30 isolates tested and may be inconclusive
- Multidrug resistant organisms (VRE, MRSA, etc.) may be reported on a different row
- % of susceptible isolates are rounded to the nearest whole number

# Antibiogram Location

Available from MCH Intranet Home Page and uCentral



MCHS Organizational Charts MCHS Coronavirus Updates VersaTrak Cerner Teamviewer

- Employee Links**
- 2023 Paydays and Holidays Calendar
- Cafe Menu
- New Hire/Change/Terminations
- Alignment Room
- Benefits Information
- Bulletin Board
- Common Links
- Antimicrobial Stewardship
- Employee Activities
- Events
- Compliance Hotline
- Emergency Management Plan
- Newsletters
- Employee Purchase Discounts
- Falls Information
- Hospital Shared Documentation
- ICARE Champion
- Interpreter Information
- IT Self-Serve Ticketing



We are happy to announce that on Tuesday, February 7<sup>th</sup>, we will begin conversion to the **Symmetry Hand Hygiene Program!**



- System Links**
- Town Hall 2022
- MCH1
- Change mchLogin (Password)
- MY PC
- E2 Learning Community
- Leader Evaluation Manager(LEM)
- EverBridge Member Portal
- Open Markets (Capital Request)
- Premier (Aperek)
- Budget & Financial Reporting (BFR)
- Operations Advisor
- Paycom-Employees
- Paycom-Timekeepers
- MCH External Map
- Clinical Equipment WO Request
- MME service requests
- Cerner Lights On
- Cerner Healthe Analytics
- Cerner uCern





- Home
- Infectious Disease Guidelines & Resources
- MCH Antibiogram
- Empiric Antibiotic Use Algorithms
- uCentral (John Hopkins ABX Guide, MCH ABX Guide)
- Antibiotic Dosing
- Infectious Disease Educational Presentations
- Infection Control Committee Reports
- Policies & Procedures
- Contact Us
- Recent
- Site contents

Home > Department > Antimicrobial Stewardship

Announcements

MCH Antibiogram 8/6/2020 9:39 AM

## MCH 2020 Antibiogram is approved and available!!

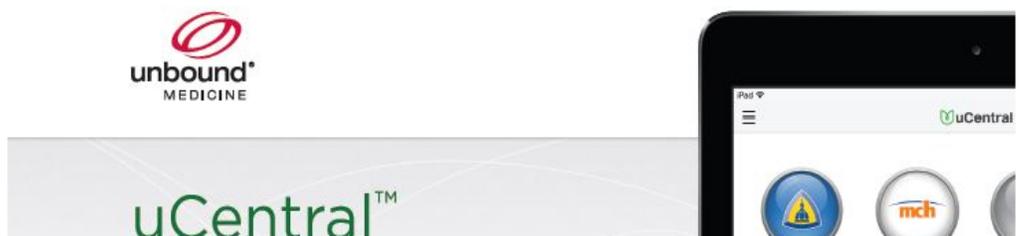
### Can be found:

1. on this page on left hand side > MCH Antibiogram
2. Ucentral MCH Infectious Disease Resources

uCentral @ 1/14/2019 1:35 PM  
 by  Erica Wilson

For uCentral website which contains the John Hopkins ABX Guide & MCH ABX Guide:

[www.unboundmedicine.com/ucentral/home](http://www.unboundmedicine.com/ucentral/home)



# Antibiogram

uCentral

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## MCH Infectious Disease Resources

- 22 MCH Antibigrams
- 2021 MCH Antibigrams
- 2020 MCH Antibigrams
- 2019 MCH Antibigrams
- 2017 MCH Antibigrams



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# How to use the Antibiogram

- Useful data on % susceptibility of formulary antibiotics to common bacterial pathogens
- Data may be helpful when choosing appropriate empiric therapy depending on most likely pathogen(s) for suspected infection
  - 90-100% susceptible -- preferred for empiric therapy
  - 80-89% susceptible -- may need double coverage if serious infection
  - $\leq 79\%$  susceptible -- avoid in empiric therapy

# MCH Antibiotic Use Algorithms

- Available on uCentral
  - In the MCH Infectious Disease Resources section
- 14 different algorithms available
  - Covers common disease states and some resistant organisms
  - Based on national guidelines

# Questions?

- Please feel free to reach out to Alex Rothenberger, Pharm.D.
  - Email: [arothenberger@echd.org](mailto:arothenberger@echd.org)