



2023 SHS Antimicrobial Stewardship Training

Purpose for Training

Samaritan Health Services has created the following training to meet the DNV requirement for education related to Antimicrobial Stewardship.

Assignment of this training has been approved by SHS Antibiotic Stewardship Committee, GSRMC Quality Improvement, and Learning & Development.



Objectives

- Summarize the principles of antimicrobial stewardship.
- Understand the role of healthcare providers in antimicrobial stewardship.
- Understand SHS antimicrobial stewardship initiatives and policies.



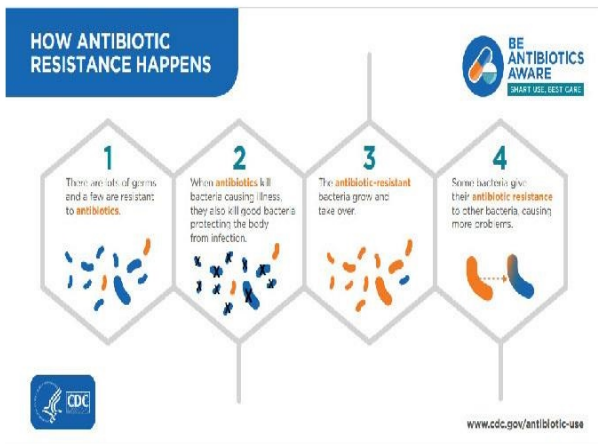
What is Antimicrobial Stewardship

- Antimicrobial stewardship refers to the global effort to protect and preserve the efficacy of all antimicrobials including antibiotics, antivirals, and antifungals
- Appropriate antimicrobial use:
 - minimizes toxicity to patients
 - reduces future resistance
 - optimizes patient outcomes
 - optimizes and reduces healthcare costs

(CDC, 2022)



Importance of Antimicrobial Stewardship



- This is a global problem, but in the US, more than 2.8 million infections are caused by antimicrobial resistant pathogens each year.
- Overuse of antimicrobials can make them ineffective against bacteria and fungi (antimicrobial resistance) so we all must be good stewards of antimicrobials.
- Hospital accreditation agencies require hospitals to support and engage in an antimicrobial stewardship program.

(CDC, n.d)



Your Role in Antimicrobial Stewardship

- Prevent and control the spread of antimicrobial resistance
 - Follow infection prevention and control principles
 - Wash your hands
 - Cover your mouth and nose when coughing or sneezing
 - Stay home when you're sick
 - Avoid touching your eyes, nose, and mouth with unwashed hands
 - Avoid close contact with people who have colds or other upper respiratory infections,
 - Get recommended vaccines
- [Contact your Volunteer Services Department to access the infection prevention protocols.](#)

(CDC, 2021)



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Your Role in Antimicrobial Stewardship_(contd.)



- How we can all help- **Be Antibiotic Aware!**

- Use antibiotics appropriately –Prescribing or requesting them when they aren't needed can cause harm and increase healthcare costs.
- Antibiotics only treat certain infections caused by bacteria such as strep throat, urinary tract infection, whooping cough.
- Antibiotics do not work on viruses such as those that cause common cold, most sore throats, flu, bronchitis.

(CDC, 2021)



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SHS Antimicrobial Stewardship Committee

- SHS antimicrobial stewardship committee is comprised of an interdisciplinary team:
 - Chair - Adam Brady, MD.
 - Co-Chairs - Ryan Moore, RPh and Jade Bryant, RPh.
 - SHS system representation from all five hospitals, physicians, pharmacists, quality improvement, infection prevention, microbiology, and information services.
- [Contact your Volunteer Services Department to access the SHS Antimicrobial Committee Sharepoint Page](#)



SHS Antimicrobial Stewardship Committee (contd.)

- Policy detailing Samaritan's antimicrobial stewardship program:
 - [Contact your Volunteer Services Department to access the Antibiotic Stewardship Program Policy](#)
- Samaritan multidisciplinary antimicrobial review team:
 - Meets bi-weekly to review selected antimicrobial patient cases.
 - [Contact your Volunteer Services Department to access the Antimicrobial Stewardship Program Procedure](#)



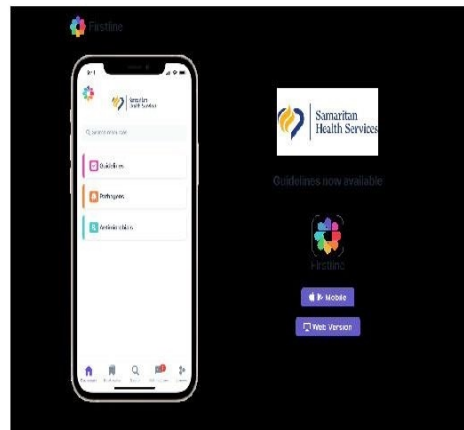
SHS Antimicrobial Stewardship Committee (contd.)

- Policy providing evidence-based recommendations for antibiotic use to prevent surgical site infections:
 - [Contact your Volunteer Services Department to access the Antibiotic for Surgical Prophylaxis Procedure](#)
- When appropriate intravenous antimicrobials may be switched, per protocol, to oral agents:
 - [Contact your Volunteer Services Department to access the Therapeutic Interchange \(IV to Oral\) Policy](#)



Firstline at SHS

- All staff are invited to use Firstline to reference Samaritan specific treatment guidelines and support antimicrobial stewardship efforts at SHS. This is a free resource for all SHS staff.
- The application provides access to up-to-date guidelines, infection control recommendations, pathogen, antimicrobial information and antibiogram data, all adapted to fit the specific needs of Samaritan Health Systems.
- You can download the Firstline app on your mobile phone or access the website from <https://firstline.org/samaritan-health-services/>



References

1. Centers for Disease Control and Prevention, (2016). [6 smart facts about antibiotics use](#) (Image). CDC.gov.
2. Centers for Disease Control and Prevention, (n.d). How Antibiotic Resistance Happens (Image). CDC.gov. [HOW ANTIBIOTIC RESISTANCE HAPPENS](#) (cdc.gov)
3. Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Healthcare Quality Pro. (2022). [About Antimicrobial Resistance](#). Centers for Disease Control and Prevention . <https://www.cdc.gov/drugresistance/about.html>
4. Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Healthcare Quality Pro. (2021). [Antibiotic Do's & Don'ts](#). Centers for Disease Control and Prevention .
5. Samaritan Health Services PolicyTech. (2023) Antimicrobial Stewardship Program Policy - GSRMC, SAGH, SLCH, SNLH, SPCH. Retrieved January 26, 2023, from <https://samhealth.policytech.com/dotNet/documents/?docid=8955>
6. Samaritan Health Services PolicyTech. (2021) Antimicrobial Stewardship Program Procedure- GSRMC, SAGH, SLCH, SNLH, SPCH. Retrieved January 26, 2023, from <https://samhealth.policytech.com/dotNet/documents/?docid=4758>
7. Samaritan Health Services PolicyTech. (2020) Antibiotics for Surgical Prophylaxis Procedure- GSRMC, SAGH, SLCH, SNLH, SPCH. Retrieved January 26, 2023, from <https://samhealth.policytech.com/dotNet/documents/?docid=4581>
8. Samaritan Health Services PolicyTech. (2021) Therapeutic Interchange (IV to Oral) Policy - GSRMC, SAGH, SLCH, SNLH, SPCH. Retrieved January 26, 2023, from <https://samhealth.policytech.com/dotNet/documents/?docid=6431>



Multiple Choice

Overuse of antimicrobials can make them ineffective against bacteria and fungi

☐ Yes

☐ No

Multiple Choice

Overuse of antimicrobials can make them ineffective against bacteria and fungi

☒ Yes

☐ No

Multiple Choice

Antibiotics are great treatment option for the common cold.

☐ Yes

☐ No

Multiple Choice

Antibiotics are great treatment option for the common cold.

Yes

No

Multiple Choice

Which of the following are true about Firstline.org?
(select all that apply)

☐ Firstline is available to all Samartan Health Services staff

☐ Firstline provides up-to-date guidelines that are adapted to SHS, local pathogen resistance patterns and patient population

☐ Firstline is limited to physicians and pharmacists

☐ If I forget how to find Firstline, there is a link on the Antimicrobial Stewardship Committee Sharepoint Homepage

Multiple Choice

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Attestation 2023 SHS Antimicrobial Stewardship Education

By completing this training, I am stating that I have read through the SHS policies and understand the training material. I understand that my electronic signature carries the same weight and authority as my written signature.

Print Name:

Date: