Essentia Health
Patient and Provider Education

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Antimicrobial Stewardship (AMS) Program Manager
Monday, May 13, 2019
Objectives

- Introduction
- Overview – What is the problem?
- Essentia Health site and structure
- Identify and acknowledge obstacles
- Opportunities and Mechanisms for information sharing
- Identify champions
- Who is the audience?
- Documentation and Tracking
- Resources
Take-Home Message

Understand the Big Picture

Narrow Focus

Know your audience(s)

Tools
Antimicrobial overuse and misuse has led to:

- Increased RESISTANCE and “super bugs”\(^1,2\)
- *Clostridium difficile* (C. diff) infections, or CDI are on the rise and affecting young, healthy patients\(^3\)
- Adverse drug reactions\(^4\)

There are a limited number of antimicrobial drugs available and few new treatments in development that can keep up with the increased resistance of microorganisms.\(^5\)
Define the Site, Understand the Structure (cont)

At a Glance: Essentia Health Service Area

3 Markets: West, Central, and East
At a Glance: Essentia Health

- 6 Long Term Care
- Research Institute
- Student Education
- Home Health Services
- Pharmacies
- Electronic Health Record
- Medical Equipment and Supply
- Telemedicine
- 74 Clinics
- Rehabilitation Centers
- 15 Hospitals
- 6 Assisted/Independent Living
- 5 Ambulance Services
- 2,000 Physicians/Advanced Practitioners

14,400 Employees
Identify and Acknowledge Obstacles

- Broad audience
- Different roles
- Obstacles vary by site
- Tailor the message
Opportunities and Mechanisms

THE MESSAGE:

1. WHAT?
2. WHO?
3. HOW?
Opportunities and Mechanisms (cont)

- Visual/Media
- Written
- Virtual
- In-Person
Identify and Reward your Champions

- Leadership/ Sponsor Support
- TEAM effort
- Multi-disciplinary approach
- Antimicrobial Review Committee
- Site Champions
Essentia Health: Antimicrobial Review Committee

- Physician Dyad Partner, Quality
- Physician Dyad Partner, Pharmacy
- Infectious Disease Chair
- Intensivist Chair
- Hospitalist Chair
- Trauma/Surgery Chair
- Emergency Services Chair
- Pediatric Chair
- Pharmacy Chair
- Infection Prevention Chair
- Microbiology/Pathology/Lab Chair
- Nursing Chair
- APC Lead/Urgent Care Chair
- Acute Care Quality Chair
- Ambulatory Quality/Safety Chair
- Primary Care Chair
- Long-Term Care Chair
- Elder Care Chair
- Idaho Physician Chair
- Information Technologist Chair
Who is the audience?

- Community Education
- Students
- Patients and Families
- Healthcare Team
Community Education

- Educate people before they become patients
- Educate ALL hospital staff
- Educate students
Our promise to you about

ANTIBIOTICS

Antibiotics can be helpful, but can also be harmful.

We are committed to prescribing antibiotics **ONLY** when needed.

Antibiotics treat infections caused by bacteria like strep throat and pneumonia. Antibiotics don’t treat infections caused by viruses like colds that commonly cause cough, runny nose, and sore throat.

Ask your doctor if you have a bacterial infection.

Your doctor may suggest over-the-counter options for symptom relief.

Essentia Health

We are called to make a healthy difference in people’s lives.
OUR PROMISE TO YOU ABOUT ANTIBIOTICS

We are committed to prescribing antibiotics only when necessary

Antibiotics can be both helpful and harmful

Three Questions to Ask Before You Take Antibiotics

1. Do I really need antibiotics?
   Antibiotics treat bacterial infections, like strep throat, whooping cough, and bladder infections with symptoms. They don’t work against viruses, like colds, coughs, and most sinus infections. Ask your doctor whether you have a bacterial infection.

2. What are the risks?
   Antibiotics can cause side effects like diarrhea, vomiting, rash, and more. They can also lead to antibiotic resistance. If you use antibiotics when you don’t need them, they might not work when they are needed.

3. Are there other options to help me feel better?
   Rest and plenty of fluids are important. You can also ask your doctor about over-the-counter medicines that might help relieve your symptoms.
In This Issue

- Integrative Medicine transforms patient's life
- Essentia in the news
- Staff News
- Upcoming Events
- Enjoy today's prayer
What is Antimicrobial Stewardship?
Patient and Family Education

- Empower patients by informing them of the risks and benefits
- Educate families and encourage appropriate expectations
Patient and Family Letter
After Visit Summary (AVS) Statement

Adapted from Get Smart Campaign patient education:

Essentia Health AVS, Patient Education:

**Your antimicrobial medicine**

You have been prescribed an antimicrobial. Antimicrobials include antibiotics, antifungals, antivirals and antiparasitics.

**Please read this important information.**

- Take it exactly as your health care provider tells you.
- Do not skip doses.
- Do not share it with others.
- Do not save it for later.
- Talk to your pharmacist about safe disposal of leftover medicines.

**Why is this so important?**

All medicines have good and bad side effects. Antimicrobial medicines can make future infections stronger and harder to treat if not taken as directed. You can protect yourself and others when you learn the correct use of your medicine.

**Take your medicine the right way!**
Viral Illness/Symptom Relief Handout

- AVS at discharge
- Print through the Print Shop
- Room card

Adapted from MDH/CDC resources:

**Symptom Relief**

**Viral Illness**

You have an illness that is from a virus. Antibiotics do not work on viruses. Antibiotics won’t help you and could harm you.

We are committed to prescribing antibiotics only when needed. The treatments below will help you feel better while your body fights the virus.

You have:
- A cold or cough
- Bronchitis
- The flu
- Sinusitis
- Fluid in your ear
- Other: __________

**Shopping List**

- **Sore throat**
  - Lozenges
- **Honey**
  - Do not give honey to children under 1 year old.
- **Acetaminophen, ibuprofen, or naproxen**
- **Warm beverages such as tea**

**Sinus pain or pressure**

- Decongestant or saline nasal spray
- Acetaminophen, ibuprofen, or naproxen
Healthcare Team Education

- Provider Considerations
- In-Person Opportunities
- Alternative Communication
Orientation Education

- New hire Physicians and APCs
- Locum providers

Antimicrobial Stewardship at Essentia Health

A robust system-wide Antimicrobial Stewardship Program is established at Essentia Health. This Program aligns with Essentia’s Aspirational Aim and Strategic Goal of Zero Preventable Harm. Nationwide, 20-
Pharmacist Continuing Education (CE) Modules

- All Essentia Pharmacists
- 3 clinical modules reviewing:
  - Patient Assessment
  - Bugs and Drugs
  - Clinical Application
- 80% passing exam score
- CE credit

Future plan: adapt education to also be offered to Providers
antimicrobial stewardship
Formal Presentations and Staff Engagement:

- Essentia Health Roundtable
- Essentia Friday Morning Grand Rounds
- Essentia Elder Care Rounds
- Essentia Pharmacy Leadership Quarterly Meeting
- Essentia Clinical Practice Committee
- Rural Health Videoconference
- Long-Term Care Annual Conference
- Mock Surveys
Provider Resources and Projects

Provider Resources:

- Antibiogram
- Policies
- Order Set Updates
- Treatment Algorithms
- Duration of Therapy Guide

Projects:

- Ambulatory Indications
- Allergy Context and Management
- HIV Post-exposure Prophylaxis
Antibiogram

1. What is it?
2. Where is it?
3. How do I use it?

<table>
<thead>
<tr>
<th>Organisms</th>
<th>Amikacin</th>
<th>Amoxicillin</th>
<th>Ampicillin/ Sulbactam</th>
<th>Ceftriaxone</th>
<th>Cefotaxime</th>
<th>Ciprofloxacin</th>
<th>Gentamicin</th>
<th>Levofloxacin</th>
<th>Metronidazole</th>
<th>Nalidixic Acid</th>
<th>Piperacillin/Tazobactam</th>
<th>Tobramycin</th>
<th>Trimethoprim/Sulfamethoxazole</th>
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Public Reporting and Provider/Staff Feedback

- NHSN reporting
- AUR Module
- National benchmarking
- Clinical and Patient Safety Dashboards
- EPIC and Slicer Dicer
Documentation and Tracking

- Maintain documentation regarding learning tools developed
- Record how information was communicated
- Centralized location
- “Preparedness Guide”

Condense pertinent information into a pocket card.
Resources

- World Health Organization, MN Department of Health, CDC Core Elements
- Get Smart Campaign
- National Quality Partners Playbook. Antibiotic Stewardship in Acute Care

References


