



# Equipping Skilled Nursing Facility Staff to Successfully Meet New CMS Requirements for Antimicrobial Stewardship and Infection Prevention

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Washington State Department of Health  
Healthcare Associated Infections Program

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**PUBLIC HEALTH**  
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HEALTHIER COMMUNITY



# Housekeeping

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- Do not put the phone line on hold
- Use the chat box to ask questions during the presentation
- Use the open line at the end of the presentation for Q & A
- Use the webinar evaluation to offer feedback on today's presentation and make suggestions for future calls

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# Outline

- Background of EQuIP Partnership
- Challenges facing IPs
- What is EQuIP?
- EQuIP Curriculum & Schedule
- Introduce Jumpstart Stewardship Workbook
- Q & A

# EQulP is a Partnership



- Other partners:
  - Local Public Health Departments
  - Washington Department of Social and Health Services
  - Leading Age
  - Washington Health Care Association
  - NADONA
  - And many others



# Challenges

- Infection Preventionist role in nursing homes
  - Sometimes little or no specific IP training
  - Sometimes few internal resources
  - Limited time/resources for professional development
  - Wear many hats—IP, quality, safety, employee health, risk management, educator, prn staff
  - May lack computer and data analysis skills
  - High turnover

# Challenges

- Recent changes in nursing home/post-acute care/rehab patients/residents
  - Older population
  - Higher acuity
  - More care time
  - More complex care
  - Shorter stays

# Challenges

- 9/28/2016 New CMS requirements for long term care require
  - Updated infection prevention and control program
  - Infection prevention and control officer with training
  - Antibiotic stewardship program with antibiotic use protocols and system to monitor antibiotic use

<https://www.cms.gov/Newsroom/MediaReleaseDatabase/Press-releases/2016-Press-releases-items/2016-09-28.html>

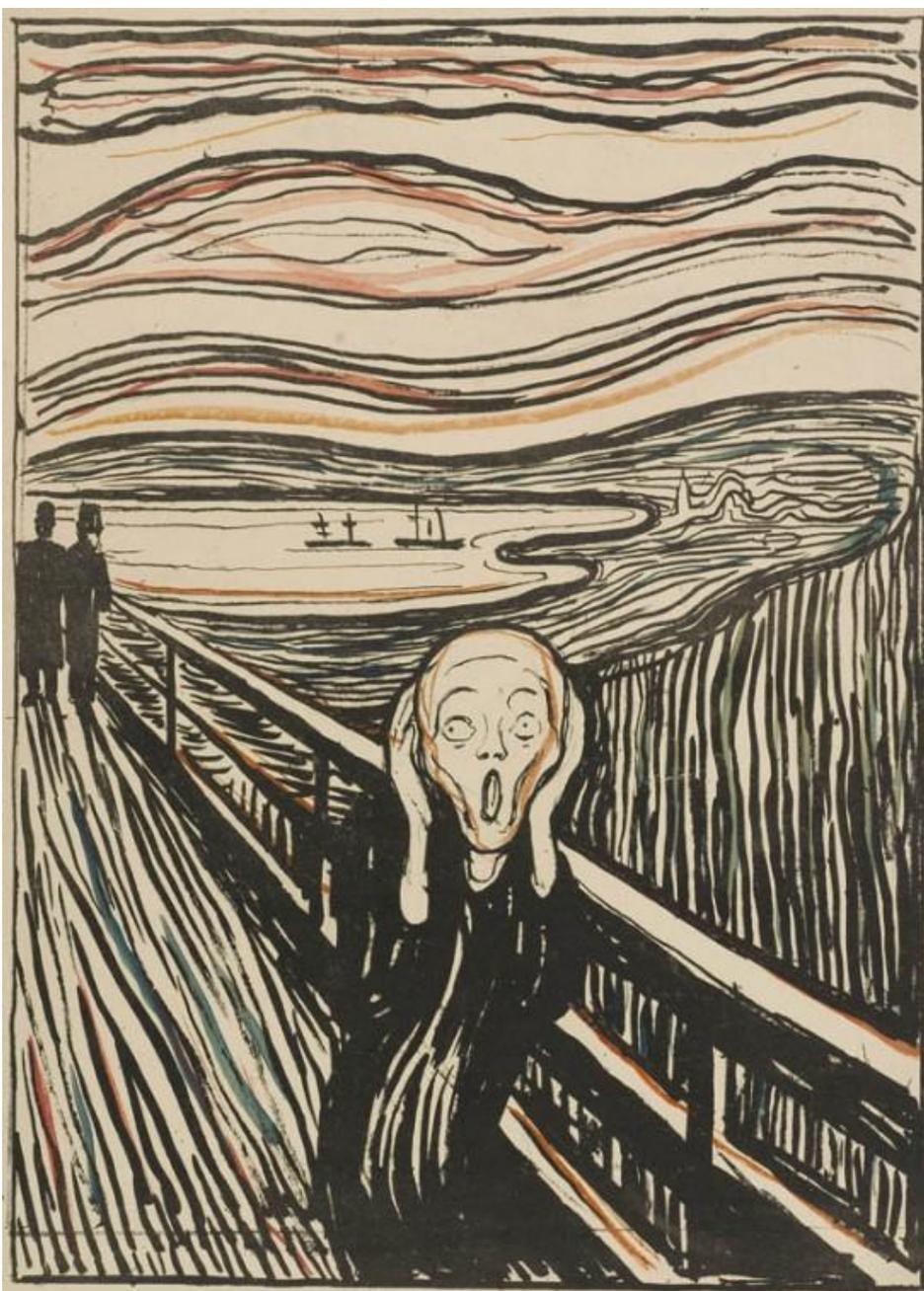


Image: Edvard Munch, Scottish National Gallery of Modern Art



# SNF Gap Survey on IP and AMS Resources

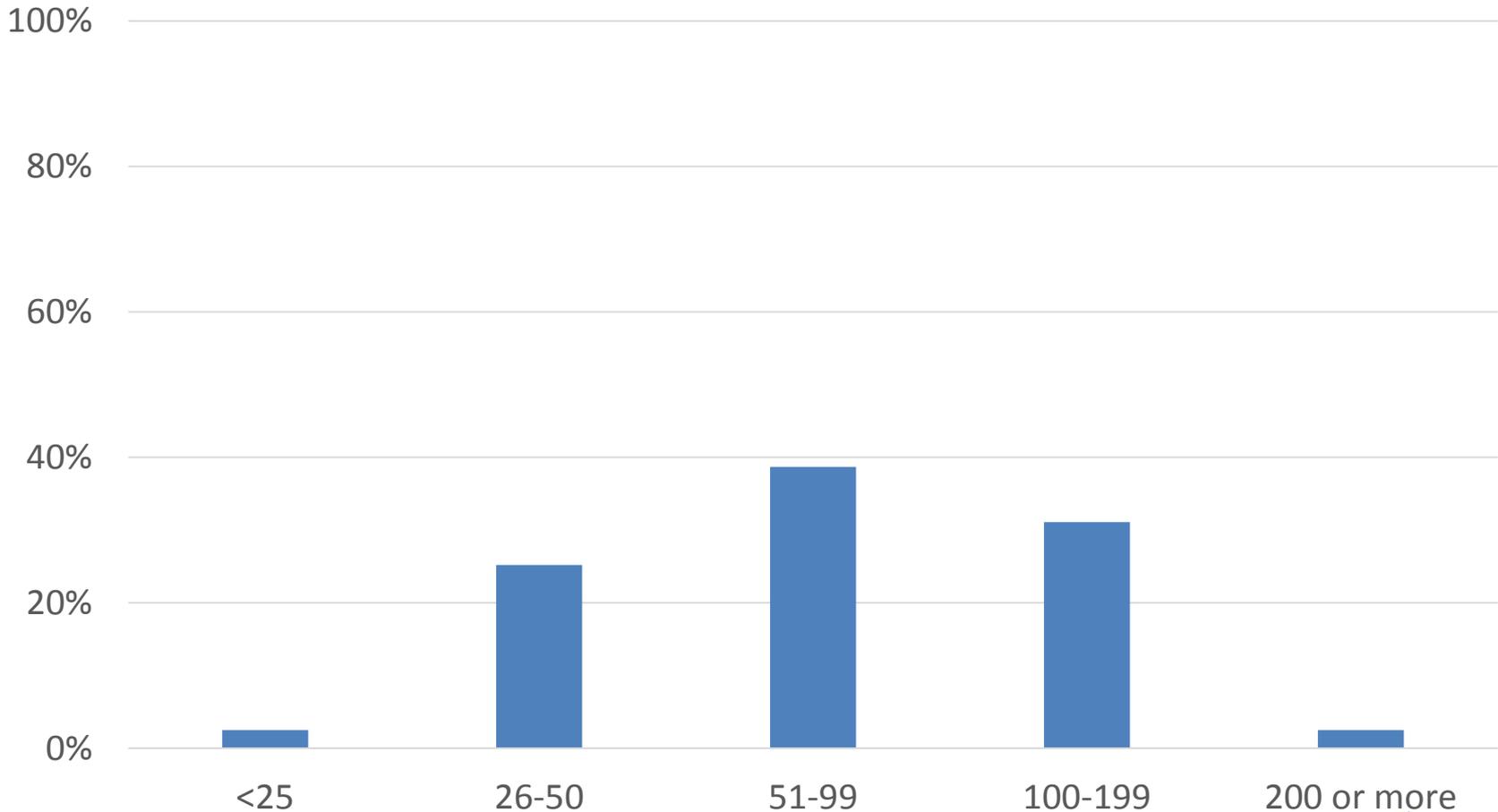
- Distributed to 212 Washington and 77 Idaho SNFs
- Dec 2016-Jan 2017
- Total responses 94 (33% response rate)
- Results are preliminary

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- **Please complete the survey if you have not done so!**

# SNF Gap Survey on IP and AMS Resources

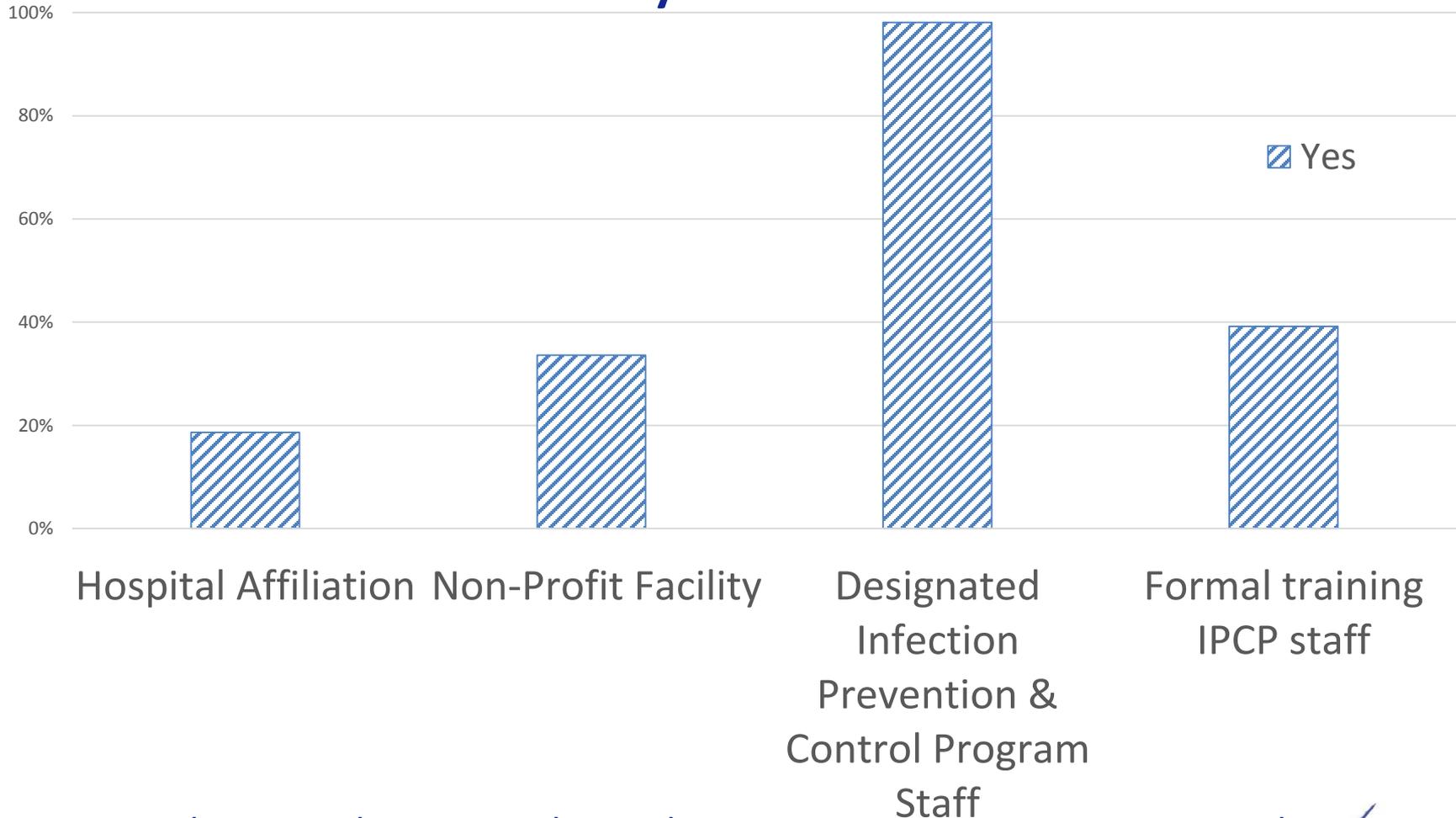
## Total licensed beds



Note: Results are preliminary and may change as more responses are entered.

# SNF Gap Survey on IP and AMS Resources

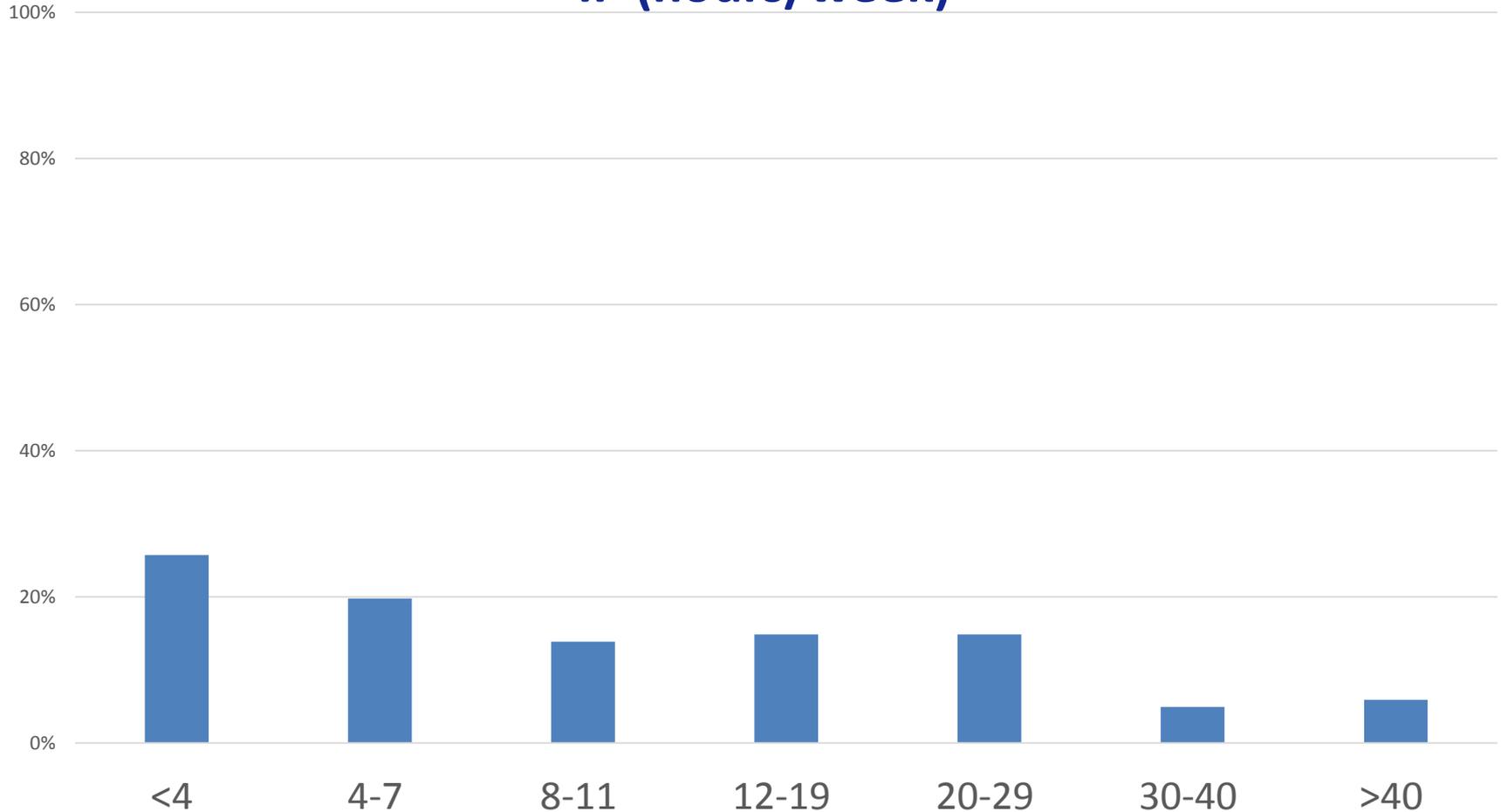
## Facility Characteristics



Note: Results are preliminary and may change as more responses are entered.

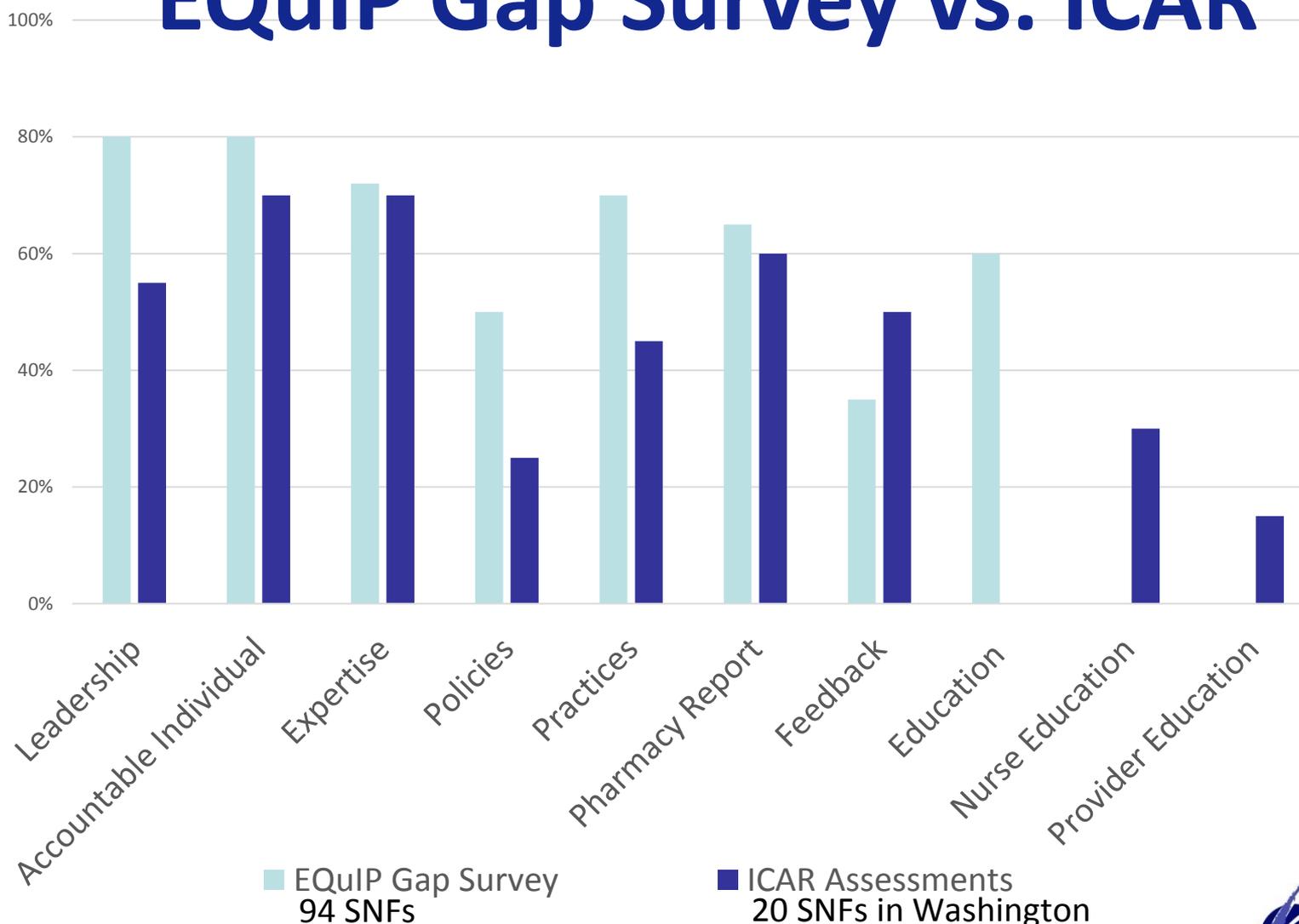
# SNF Gap Survey on IP and AMS Resources

IP (hours/week)



Note: Results are preliminary and may change as more responses are entered.

# EQulP Gap Survey vs. ICAR



# Available IP & AMS Educational Resources

- Association for Professionals in Infection Control (APIC) membership and trainings
- Certification Board of Infection Control and Epidemiology (CBIC) trainings and certification
- CDC Core Elements of Stewardship for Nursing Homes
- AHRQ Guide to Stewardship in Nursing Homes

# What is EQIP?

- Training and professional development program
- Focus on core competencies for infection prevention and antimicrobial stewardship
- Quality improvement
- Aligns with work of partners

# EQuIP Model

## EDUCATION

- Monthly webinars
- Recorded webinars
- Regional in-person workshops

## MENTORSHIP

- Partnerships with experienced preventionists
- Conference calls with subject matter experts,

## COLLABORATIVE LEARNING

- Shared documents and tools
- Discussion boards
- Collaborative improvement projects

## DATA SHARING

- Healthcare-associated infection reports
- Local benchmarking reports

# Web-based Education

- Basics and more advanced—tailored to nursing homes
- Surveillance and investigation tools
- Core curriculum to establish a stewardship program, and enhance IP practices
- Offered as live webinar or recorded
- Web-based menu of tools, templates and resources
- Some in-person events

# Curriculum

- Antimicrobial stewardship
  - Understanding CDC core elements of stewardship
  - Establishing an AMS program
  - Selecting and implementing interventions
  - Assessing outcomes
- APIC and CBIC competencies for infection prevention

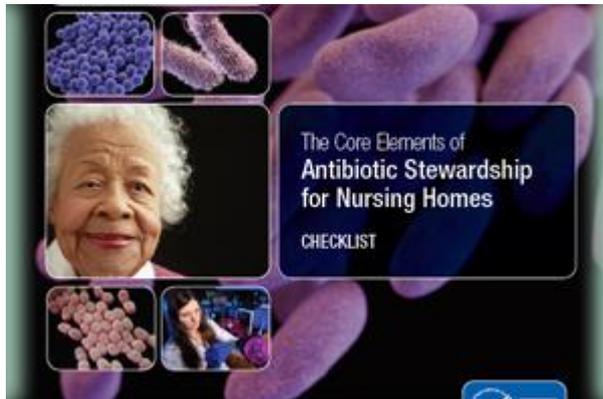
# Combating HAIs & Antibiotic Resistant Bacteria



**Detect**



**Protect**



**Prevent**

# Mentorship

- IP and stewardship mentors available to answer questions and direct you to resources
- CIC study groups
- Local and state public health experts

## Ask a Mentor

Our staff are here to help you with questions and training. [Submit a request](#)

<http://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/HealthcareAssociatedInfections/EQuIP/LTC>

# Collaborative Learning

- Conference calls with experts on IP and AMS
- In depth discussions on specific topics
- Opportunity for case presentations
- Opportunity for small groups to collaborate on practice improvement interventions
- Share successes, discuss barriers, learn from each other
- Develop a network for support

# Outcome Measures & Data Sharing

- Baseline and follow up facility self-assessment
- Track process measures
- Facility-onset LabID event *C. difficile* infections
- MDROs
- UTI
- Track antibiotic use

# Participation and Enrollment

- Formal participation encouraged (not mandatory)
- Signed enrollment form by facility leadership
- Track facility self-assessment
- Certificate of attendance on webinars
- Be recognized on DOH Honor Roll for Stewardship in Nursing Homes

[Home](#) > [Antibiotic Resistance](#) > [Stewardship](#) > [Honor Roll](#)

## Antimicrobial Stewardship Honor Roll

The Washington State Department of Health would like to honor and commend facilities that have an antimicrobial stewardship program and are working to:

- improve antibiotic use
- reduce antibiotic resistance
- improve patient outcomes.

### [Current Honor Roll Members](#)

For those interested in applying, please contact the [Antimicrobial Stewardship Coordinator](#) for the Honor Roll Program requirements and application. Applications will be reviewed quarterly in 2016.

Facilities listed below have implemented an antimicrobial stewardship program that is aligned with the criteria outlined by the Centers for Disease Control and Prevention (CDC) Core Elements of a Hospital Stewardship Program (see <http://www.cdc.gov/aefsmart/healthcare/implementation/core-elements.html>) CDC has based

# Schedule

- Monthly live webinars
  - 4<sup>th</sup> Wednesday of the month
  - 10:00-11:00 AM
- Webinars recorded & archived for future viewing
  - Available on DOH website
  - <http://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/HealthcareAssociatedInfections/EQuIP>

## Illness and Disease

[Animal Transmitted Diseases](#) +[Antibiotic Resistance](#) +[Asthma](#) +[Autism](#) +[Avian Influenza](#)[Birth Defects](#) +[Brucellosis](#)[Campylobacter](#)[Cancer](#) +[Chickenpox \(Varicella\)](#)[Cryptococcosis](#)

## EQuIP Program

The EQuIP program (Education, Quality and Infection Prevention) provides healthcare facility staff with educational support to improve:

- infection prevention
- antimicrobial stewardship, and
- quality of care
- quality improvement

through education, mentorship, collaborative learning, and data sharing.

The EQuIP model was created by Qualis Health, with funding from Centers for Medicare and Medicaid Services, in partnership with the Washington State Department of Health, Washington State Hospital Association (WSHA), and local chapters of the Association for Professionals in Infection Control (APIC). The program has expanded from its original focus on critical access hospitals, to include long term care facilities and outpatient settings.

### Critical Access Hospitals, Long Term Care Facilities and Outpatient Facilities

Learn more about what EQuIP has to offer for your specific healthcare setting using the following links:

- [EQuIP for Critical Access Hospitals \(CAH\)](#)
- [EQuIP for Long Term Care Facilities \(LTC\)](#)
- [EQuIP for Ambulatory Surgical Centers \(ASC\) - link to Qualis Health site](#)

# EQulP for LTC

🏠 [You and Your Family](#) > [Illness and Disease](#) > [Healthcare Associated Infections](#) > [EQulP](#) > [LTC](#)

## Illness and Disease

Animal Transmitted Diseases +

Antibiotic Resistance +

Asthma +

Autism +

Avian Influenza

## EQulP for Long Term Care Facilities (LTC)

### Antimicrobial Stewardship Resources

- [CDC Core Elements of Antimicrobial Stewardship \(CDC site\)](#) ↗
- [AHRQ Nursing home AMS guide](#) ↗

### Ask a Mentor

Our staff are here to help you with questions and training. [Submit a request](#)

Illness and Disease

Animal Tr

A

Asthma

Autism

Avian Influenza

## EQulP for Long Term Care Facilities (LTC)

**Coming soon:**

- **Enrollment Form**
- **Jump Start Stewardship Workbook**
- **Infection Prevention and Control Resources**

# Jump Start Stewardship Workbook

## JumpStart Stewardship

### Implementing Antibiotic Stewardship in Nursing Homes

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# Key Steps for AMS Program

- Project management approach
- Key steps:
  - Current state assessment
  - Identifying key stakeholders
  - Building your AMS team
  - Selecting interventions
  - Measuring effectiveness
  - Identifying/mitigating barriers
  - Timeline for implementation
  - Charter and strategic plan

# Current State Assessment

- Facility profile
  - # Beds
  - # Admissions
  - Average daily census
  - # *C diff* & MDROs
- Assess core elements of nursing home stewardship
- Most common infectious syndromes & treatment
- Antibiotic-use measurement

# Selecting Interventions & Targets

- Institute for Healthcare Improvement/Centers for Disease Control drivers of stewardship
  - Leadership & culture change
  - Timely & appropriate initiation of abx
  - Appropriate administration & de-escalation of abx
  - Data monitoring, transparency, & stewardship
- For each potential intervention, assess
  - Impact
  - Political expediency
  - Resources required
  - Ease of implementation

# Examples of Interventions

- Standardized AMS education for all residents, families, & care providers
- Duration and indication on all abx orders
- Standardized SBAR communication form for common infectious syndromes
- Antibiotic order sets for common infectious syndromes
- Prompt notification of culture and antibiotic susceptibility results
- UA when residents have localizing signs to urinary system

# Measuring Effectiveness & Key Metrics

- Process measures
  - Assess adherence to intervention
- Outcome measures
  - Antibiotic use
  - MDROs
  - Facility-onset *C. diff.* infections
- Reporting
  - Frequency
  - To whom (AMS team/quality/leadership/prescribers/bedside staff)



# Project Charter & Strategic Plan

- Formal demonstration of leadership support
- Makes explicit
  - Strategy
  - Accountable individuals
  - Activities
  - Metrics
  - Reporting plan

# Before next EQuIP webinar on Feb 22

- Register for webinar series
- Share the registration link with your colleagues
- Enroll in EQuIP for LTC
- Download Jump Start Stewardship Workbook
- Feel free to send suggestions or requested topics to [marisa.dangeli@DOH.wa.gov](mailto:marisa.dangeli@DOH.wa.gov)

# Q & A

