

WORKING TO PREVENT AND CONTROL INFECTIONS IN HEALTHCARE SETTINGS FOCUSED ON THE UTMOST QUALITY OF PATIENT CARE AND HEALTHCARE WORKER SAFETY

Infection Prevention Workforce and Education

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Who is SHEA?

Mission: Promote the prevention of healthcare-associated infections (HAI) and antibiotic resistance and advance the fields of healthcare epidemiology and antibiotic stewardship.

2,000 members are leaders in infection prevention, sharing a common interest in improving patient outcomes.

SHEA

- Advances the field of healthcare epidemiology and antibiotic stewardship
- •Translates research into clinical practice
- Develops smart policy
- Prioritizes the research agenda

Together, we are working to build a safer, healthier future for all.



Essential Activities of Infection Prevention/Healthcare Epidemiology Programs

- Surveillance
- Performance improvement to reduce HAIs
- Acute event response, including outbreak investigation
 and high consequence infections
- Education and training of healthcare personnel and patients
- Reporting of HAIs

Guidance for Infection Prevention and Healthcare Epidemiology Programs: Healthcare Epidemiologist Skills and Competencies

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Healthcare Epidemiologist

- Key leader of infection prevention/healthcare epidemiology programs
 - Physician
 - Diverse responsibilities
 - Program advocacy
 - External stakeholder relations
 - Training and professional development



Healthcare Epidemiologist

Competencies

- Epidemiology
- Subject matter expert for internal and external stakeholders
- Quality and performance improvement leader
- Healthcare administrator
- Outcome assessment evaluator and researcher
- Regulatory and public health liaison
- Clinician educator/teacher
- Antibiotic stewardship



Knowledge gaps for practitioners of infection prevention/healthcare epidemiology and stewardship

- Leadership skills
- Implementation science
- Behavior science
- Management of interventions
- Non-acute care settings





SHEA as a Leader

Experience in training and the continued development of the healthcare epidemiologist workforce

- Course development, implementation, dissemination
- Publications
 - Journals, textbooks, expert guidance, white papers
- Conferences
- Mentorship
- Special focus for those practicing in the community setting
- Diversity of faculty and authors/researchers outside the traditional healthcare epidemiology field (e.g., behavioral scientists, environmental experts)
- Collaboration with CDC and other professional societies and entities to provide basic to advanced training opportunities





Healthcare Workforce

- Healthcare epidemiology/infection prevention has the highest impact when evidence-based practices become part of the healthcare culture
 - Appropriate and relevant training for all healthcare personnel in all healthcare settings
 - Challenges: Time, methods of delivery and principles of adult education, reinforcement, gaps in knowledge and science
- Interdependence among variety of practitioners
- Healthcare epidemiologist workforce shortage across the continuum of care

Together, we are working to build a safer, healthier future for all.