



California Department of Public Health/HAI Program
Healthcare-Associated Infections (HAI) Program
Infection Preventionist Two-Day Course

Wednesday-Thursday, September 11-12, 2019 8:00 am – 5:00 pm

California Department of Public Health
Auditorium 850 Marina Bay Parkway Richmond, CA

Course Description:

This two-day course provides instructions on how to implement evidence-based guidelines for an Infection Prevention Program in healthcare facilities to prevent healthcare-associated infections (HAI) including central line associated bloodstream infections (CLABSI), surgical site infections (SSI), *Clostridioides difficile* infection (CDI), catheter-associated urinary tract infections (CAUTI), and pneumonia. Students will learn how to measure staff adherence to infection prevention nursing and provider care practices and educate and provide feedback to staff. Students will also learn how to use their facility HAI data to focus infection prevention strategies, conduct an outbreak investigation, and how to implement the essential activities to prevent employee infections.

The course will be presented in separate tracks for hospitals and skilled nursing facilities

There is no cost to attend the course, however space is limited to those who can stay for the entire 2-day course. Pre-registration is required.

Suggested Audience:

Persons responsible for infection control and prevention such as registered nurses, epidemiologists and others working in or with oversight for infection prevention in a health care facility.

Primary Objectives:

At the completion of this course, the participant will be able to:

- Discuss the most important care practices for preventing CLABSI, SSI, CDI, HAI pneumonia, and CAUTI
- List evidence-based sources for infection prevention recommendations
- Discuss principles of infection surveillance and other core disciplines such as microbiology, cleaning/sterilization/disinfection, care of the environment, antibiotic stewardship, and employee health
- Describe how to analyze and use HAI data to focus infection prevention activities
- Describe national, state, and local regulatory bodies that oversee infection prevention and HAI public reporting

See following pages for comprehensive list of course objectives

Please [register via survey monkey](https://www.surveymonkey.com/r/2DayBasicsIP_CourseSept2019)

(https://www.surveymonkey.com/r/2DayBasicsIP_CourseSept2019)

Note: If registered for the session and need to cancel, please email HAIProgram@cdph.ca.gov

California Department of Public Health/HAI Program approved by the California Board of Registered Nursing, Provider # 17280, for 13 contact hours



**California Department of Public Health/HAI Program
Healthcare-Associated Infections (HAI) Program**

Infection Preventionist Two-Day Course

Objectives by Session

1. The Role of the Infection Preventionist

- Describe the role of infection preventionists (IP) in health care
- Discuss relationships important to success in performing the IP roles

2. Core Infection Prevention Practices

- Review how a care practice becomes an infection prevention recommendation
- Describe the core infection prevention practices that must be used in all care settings, all the time

3. Standard Precautions

- Describe all 6 elements of Standard precautions
- Review adherence monitoring results and tools for select Standard precautions care practices

4. Transmission-based Precautions

- Describe Transmission-based (isolation) precautions
- Discuss Enhanced Standard precautions used in California skilled nursing facilities
- Review adherence monitoring results and tools for Transmission-based precautions care practices

5. Cleaning, Disinfection, Sterilization, and the Environment

- Describe the role of the environment in transmitting infections
- Discuss strategies to ensure effectiveness of cleaning and disinfection
- Discuss reprocessing of reusable medical equipment and devices
- Demonstrate use of adherence monitoring tools and feedback
- Identify determinant's for low, intermediate, and high level disinfection
- Review examples of non-critical, semi-critical, and critical devices
- Discuss methods for sterilizing instruments
- List areas where infection prevention environmental assessments should be performed

6. C. difficile Infection Prevention

- Describe the cause and epidemiology of Clostridioides difficile infection (CDI)
- Review evidence-based CDI prevention strategies
- Describe importance of adherence monitoring and feedback

7. Central Line Associated Bloodstream Infection Prevention

- Describe the etiology and epidemiology of central line associated bloodstream infections (CLABSI)
- Identify patients at risk for CLABSI

- Review evidence-based CLABSI prevention care practices
- Discuss adherence monitoring and feedback

8. Microbiology

- Describe role of the laboratory in infection prevention
- Describe basic laboratory test for infectious pathogens
- Discuss common HAI pathogens

9. Outbreaks and Unusual Infection Occurrences

- Discuss unusual infections or disease occurrences that require action
- Review the action steps in an outbreak investigation
- Discuss development of line lists and epidemiology curves for investigating, confirming, and managing an outbreak
- Describe internal and external communication

10. Antibiotic Stewardship

- Illustrate the link between antimicrobial stewardship and infection prevention
- Review core elements of antimicrobial stewardship, and opportunities for coordination with infection prevention
- Review roles of nursing staff in antimicrobial stewardship programs

11. Laws and Regulations

- Describe national, state, and local regulatory bodies that oversee infection prevention and HAI public reporting
- Describe policy decisions and requirements for public reporting of HAI
- Review current infection control-related regulations

12. Preventing Employee Infections

- Review essential activities of Employee Health programs
- Describe communicable disease screening and immunization guidance
- Describe prevention of bloodborne and airborne diseases
- Review priorities in post exposure management

13. Surgical Site Infection Prevention

- Review the epidemiology of surgical site infections (SSI)
- Explore causes and mechanisms of SSI
- Describe evidence-based practices for preventing SSI
- Discuss adherence monitoring and feedback

14. Pneumonia Prevention

- Describe surveillance definitions for pneumonia (PNEU), ventilator associated events (VAE), and possible ventilator associated pneumonia (PVAP)
- Demonstrate how to use the NHSN VAE Calculator
- Review importance of feedback of HAI results to staff

15. Catheter Associated Urinary Tract Infection Prevention

- Define the scope of healthcare-associated urinary tract infections (UTI)
- Review evidence-based clinical practices shown to prevent catheter-associated urinary tract infections (CAUTI)
- Discuss strategies to reduce CAUTI within healthcare settings
- Discuss adherence monitoring and feedback

16. Epidemiology and Surveillance

- Discuss basic principles of epidemiology and how they apply to healthcare-associated infection (HAI) surveillance
- Review recommended surveillance practices
- Describe surveillance outcome and process measures for infection prevention

17. Introduction to the National Healthcare Safety Network

- Review mandatory HAI surveillance and reporting requirements
- Describe National Healthcare Safety Network (NHSN) and key terms
- Demonstrate how to use NHSN
- Review how to interpret NHSN reports

18. CDI/MRSA BSI/VRE BSI Surveillance

- Review methicillin resistant *Staphylococcus aureus* (MRSA) and vancomycin resistant enterococcus (VRE) bloodstream infection (BSI) and *Clostridioides difficile* infection (CDI) surveillance methods and definitions
- Discuss importance of accurate data collection
- Demonstrate how to report MRSA and VRE BSI, and CDI data, using Lab ID, in National Healthcare Safety Network (NHSN)
- Discuss NHSN data analysis and feedback to staff

19. CLABSI Surveillance

- Review CLABSI surveillance definitions
- Discuss importance of accurate data collection
- Demonstrate how to report CLABSI events summary data in NHSN
- Discuss NHSN data analysis and feedback to staff

20. SSI Surveillance

- Discuss importance of accurate data collection in calculating surgical patient probability of SSI
- Discuss use of ICD-10 diagnostic “flag” codes to improve SSI case finding
- Review SSI surveillance definitions and methods
- Demonstrate how to report SSI data in NHSN
- Discuss NHSN data analysis and feedback to staff

21. CAUTI Surveillance

- Review CAUTI surveillance definitions
- Discuss importance of accurate data collection
- Demonstrate how to report CAUTI data in NHSN
- Discuss NHSN data analysis and feedback to staff

22. Pneumonia / Ventilator-Associated Pneumonia Surveillance

- Describe surveillance definitions for pneumonia (PNEU), ventilator associated events (VAE), and possible ventilator associated pneumonia (PVAP)
- Demonstrate how to use the NHSN VAE Calculator
- Review importance of feedback of HAI results to staff

23. Respiratory Infection Prevention

- Discuss the epidemiology of pneumonia and ventilator-associated pneumonia (VAP)
- Discuss evidence based pneumonia and VAP prevention care practices

- Review importance of a water management program in Legionella prevention
- Review influenza prevention strategies
- Describe adherence monitoring of prevention practices

24. Urinary Tract Infection Prevention

- Describe of healthcare-associated urinary tract infections (UTI) in skilled nursing facilities (SNF)
- Review evidence-based clinical practices shown to prevent catheter-associated urinary tract infections (CAUTI)
- Discuss strategies to reduce CAUTI
- Discuss adherence monitoring and feedback

25. Scabies Control and Prevention

- Identify signs and symptoms of typical and crusted scabies
- Discuss scabies detection
- Describe elements of a scabies control plan
- Review scabies prevention

26. Enhanced Standard Precautions

- Discuss why the guidance document Enhanced Standard Precautions for SNF, 2019 was updated
- Describe the 6 moments of Enhanced Standard precautions for SNF
- Define the who, what, when, where, and how of Enhanced Standard precautions in SNF
- List examples for applying Enhanced Standard precautions

27. Communicating Infection Information

- Describe how to develop and communicate infection prevention plans and findings to facility leaders and staff
- Discuss effective processes for internal facility communication
- Review a communication tool for sharing information with health care providers
- Illustrate how to share infection information with external facility partners

28. Infection Surveillance in SNF (McGeer's Criteria)

- Discuss basic principles of epidemiology and how they apply to healthcare-associated infection (HAI) surveillance
- Review recommended surveillance practices
- Describe surveillance outcome and process measures for infection prevention
- Review surveillance definitions (McGeer Criteria)

29. Using NHSN for LTC Surveillance

- Describe National Healthcare Safety Network (NHSN) use in skilled nursing facilities (SNF)
- Access NHSN resources for SNF
- Review NHSN reports available for SNF

30. Case Studies and Examples

- Discuss case studies presented during the lecture to evaluate the understanding of the content of the course