

OSAP-DALE Foundation Dental Infection Prevention and Control eHandbook

Unit 1: Infection Control and Infectious Diseases in Dental Healthcare Settings

Chapter 1: Key Concepts in Infection Control

- Lesson 1.1: Introduction to Infection Control
 - o Discuss the relationship between healthcare delivery and the potential for disease transmission
 - o Identify 4 basic principles of infection control
- Lesson 1.2: Recommendations and Regulations
 - o Describe recommendations and regulations applicable to dental healthcare settings

Chapter 2: Transmission and Prevention of Infectious Diseases in Dental Healthcare

- Lesson 2.1: Microbiology
 - o Identify the process of disease transmission
 - o Describe factors associated with the likelihood of infection
- Lesson 2.2: Chain of Infection and Standard Precautions
 - o Describe the chain of infection
 - o Identify precautions used to reduce the risk for exposure to infection
 - o Discuss the dental healthcare setting infection control plan
- Lesson 2.3: Antibiotic Resistance and Stewardship
 - o Describe antibiotic resistance
 - o Define antibiotic stewardship and identify national measures to prevent antibiotic resistance

Chapter 3: Infectious Diseases of Concern in Dental Healthcare Settings

- Lesson 3.1: Bloodborne Pathogens
 - o Identify and describe diseases associated with bloodborne pathogens
 - o Describe the components of an exposure control plan for occupational exposures
- Lesson 3.2: Airborne, Droplet, and Contact Pathogens
 - o Identify and describe diseases associated with airborne pathogens
 - o Identify and describe diseases associated with droplet pathogens
 - o Identify and describe diseases associated with contact pathogens
- Lesson 3.3: Waterborne Pathogens
 - o Identify and describe waterborne pathogens of concern associated with dental unit waterlines
- Lesson 3.4: Other Pathogens of Concern
 - o Identify and describe other pathogens of concern in dental healthcare settings

Unit 2: Elements of Infection Control in Everyday Practice

Chapter 4: Infection Control Practices in Dental Healthcare Settings

- Lesson 4.1: Hand Hygiene
 - o Identify when to perform hand hygiene
 - o Identify factors that should be considered when choosing hand hygiene products
 - o Discuss appropriate hand hygiene technique
- Lesson 4.2: Respiratory Hygiene and Cough Etiquette
 - o Describe the importance of respiratory hygiene and cough etiquette
 - o Identify CDC recommendations for respiratory hygiene and cough etiquette
- Lesson 4.3: Personal Protective equipment
 - o Identify the types of PPE used in dental healthcare settings
 - o Describe the process of donning and removing PPE
 - o Discuss types of dermatitis and allergic reaction in dental healthcare settings
 - o List ways to keep hands healthy
- Lesson 4.4: Safety Topics
 - o Describe the importance of a safety culture in dental healthcare settings
 - o Identify appropriate techniques of preventing sharps injuries
 - o Identify the purpose of the Needlestick Safety and Prevention Act
 - o Discuss recommendations for safe injection practices

Chapter 5: Sterilization and Disinfection of Patient-Care Items

- Lesson 5.1: Instrument Processing
 - o Identify how patient-care items are categorized based on their risk of transmitting a disease
 - o Describe the steps used in instrument processing
 - o Identify why dental handpieces require special consideration for reprocessing
 - o Discuss how single-use devices are used in dental healthcare settings

Chapter 6: Environmental Infection Control

- Lesson 6.1: Surfaces and Contamination Management
 - o Describe infection control procedures for clinical and housekeeping surfaces
 - o Discuss the steps of contamination management
 - o Identify requirements for chemical safety records
- Lesson 6.2: Waste Management
 - o Identify types of medical waste generated in dental healthcare settings
 - o Describe how regulated medical waste is managed
 - o Discuss how blood and body fluids are disposed
 - o Describe how records are kept for dental waste

Chapter 7: Dental Waterlines, Biofilm, and Water Quality

- Lesson 7.1: Dental Waterlines
 - Discuss the role of biofilm in dental waterlines
 - Identify infection control strategies for using water in dental healthcare settings
 - Describe processes for maintaining and monitoring dental water quality

Chapter 8: Special Considerations

- Lesson 8.1: Special Considerations
 - Describe infection control practices for saliva ejectors, dental radiology, pre-procedural mouth rinses, and the dental laboratory

UNIT 3: Infection Control Policies and Procedures at the Facility Level

Chapter 9: Elements of an Infection Control Program

- Lesson 9.1: Program Implementation, Evaluation, and Compliance
 - Describe elements needed to implement an infection control program
 - Identify the importance of and methods for evaluating an infection control program
- Lesson 9.2: Policies, Procedures, and Recordkeeping
 - Describe different types of written reports in dental healthcare settings