



Dental Industry Specialist in Infection Prevention and Control™ (DISIPC™)

Exam Outline and Suggested References

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DISIPC

Exam Outline Overview

DISIPC Exam Weighting by Domain

- I. Regulatory and Occupational Safety (20%)
- II. Disease Prevention (35%)
- III. Infection Control Protocols (Cleaning/Sterilization/Reprocessing) (45%)

DISIPC Pretest Exam Administration Details

- Number of Questions: 200 (Pretest event only)
- Time for Exam: 150 minutes (Pretest event only)
- Tutorial Time: 5 minutes
- Comment Time: 5 minutes

The candidate's overall performance on the exam determines the candidate's pass/fail status.

DISIPC Exam Outline

Organization for Safety, Asepsis and Prevention (OSAP) and Dental Assisting National Board (DANB) exams are created using the exam outline, which is reviewed by subject matter experts (e.g., Certified Dental Assistant™ [CDA®] certificants, dentists and experts in infection control). The outline was developed using a content validation study (CVS), which includes a job analysis survey where practitioners of infection control are surveyed about how often tasks are performed and how important competent performance of tasks is to the health and safety of the public. DANB's Board of Directors reviews and approves all updates to this exam outline. The DISIPC exam measures a candidate's knowledge of national dental infection prevention and control practices.

Domain I: Regulatory and Occupational Safety (20%)

- A. Demonstrate understanding of infection control laws, standards, guidelines, regulations and rules as they apply to dental infection control, including but not limited to:**
1. federal laws, standards and guidelines.
 2. state/local regulations and rules.
 3. differences between recommendations, regulations, rules, standards and guidelines.
- B. Demonstrate understanding of how to manage infection control supplies inventory, including but not limited to:**
1. manufacturers' instructions for use (IFUs).
 2. rotation of supplies according to expiration dates and storage rotation.
 3. single-use and disposable items.
- C. Demonstrate understanding of hazard communication standards as they relate to:**
1. safety data sheets (SDSs).
 2. disposal protocols and required documentation for hazardous waste.
- D. Demonstrate understanding of sharps safety precautions including sharps transport and disposal.**

Domain II: Disease Prevention (35%)

A. Demonstrate understanding of disease transmission concepts, including but not limited to:

1. chain of infection.
2. modes of transmission of infectious diseases.
3. cross-contamination.

B. Describe standard precautions and clinical safety precautions to prevent the spread of infectious disease.

C. Describe occupational exposure and safety, including but not limited to:

1. CDC immunization recommendations for healthcare personnel.
2. exposure prevention and post-exposure management protocols.
3. work restrictions for infectious diseases.

D. Apply infection control concepts for patient and dental healthcare personnel safety, including but not limited to:

1. respiratory hygiene and cough etiquette.
2. hand hygiene protocols.
3. standards for personal protective equipment (PPE) selection.
4. use/reuse and disposal of PPE.

Domain III: Infection Control Protocols (Cleaning/Sterilization/Reprocessing) (45%)

A. Use risk level to determine the application of sterilization/disinfection procedure.

B. Demonstrate understanding of accepted guidelines for instrument processing, including but not limited to:

1. sequence of instrument processing.
2. cleaning/decontamination workflow.
3. preparing and packaging instruments for sterilization/disinfection.
4. sterilization and monitoring.
5. storage of instruments.
6. conditions and factors that impact instrument processing.
7. handpiece sterilization protocol.
8. maintenance of sterilization equipment.

C. Describe concepts and procedures for environmental infection control, including but not limited to:

1. housekeeping and clinical surfaces.
2. surface barriers.
3. products for cleaning/disinfecting contaminated surfaces.

D. Describe concepts and procedures related to medical waste, including but not limited to:

1. waste types.
2. disposal procedures for regulated medical waste.

E. Demonstrate understanding of dental unit water quality, including but not limited to:

1. formation of biofilm and associated risks.
2. sequence for flushing and shocking waterlines.
3. types of products used for maintaining and shocking waterlines.
4. methods of testing dental unit water quality.
5. dental unit water quality.

DISIPC Exam Suggested References

DANB exam committees use the following textbooks and reference materials to develop this exam. This list does not include all the available textbooks and materials for studying for this exam; these are simply the resources that exam committee subject matter experts determined as providing the most up-to-date information needed to meet or surpass a determined level of competence on this exam. Any one reference will likely not include all the material required to study to take the exam.

This list is intended to help prepare for this exam. It is not intended to be an endorsement of any of the publications listed. You should prepare for DANB exams using as many different study materials as possible.

Suggested Exam Preparation References

1. Centers for Disease Control and Prevention (CDC). www.cdc.gov.
 - *Guidelines for Post-Exposure Management*
 - *Guidelines for Infection Control in Dental Health-Care Settings — 2003* (MMWR, Vol. 52, RR 17). www.cdc.gov/mmwr/preview/mmwrhtml/rr5217a1.htm
 - *Summary of Infection Prevention Practices in Dental Settings: Basic Expectations for Safe Care*. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Oral Health; 2016. www.cdc.gov/oralhealth/infectioncontrol/summary-infection-prevention-practices/index.html
2. U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). www.osha.gov.
 - *Hazard Communication Guidelines for Compliance* (Publication 3111). www.osha.gov/Publications/osha3111.pdf
 - *Bloodborne Pathogens Standard* (1910.1030). www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1030
3. Miller, Chris, and Charles J. Palenik. *Infection Control and Management of Hazardous Materials for the Dental Team*. 6th ed. St. Louis, MO: Elsevier/Mosby, 2018.

Additional/Optional Study Resources

1. Centers for Disease Control and Prevention (CDC). www.cdc.gov.
 - *Guidelines for Hand Hygiene*
2. U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). www.osha.gov.
 - *Hazard Communication Standard* (Code of Federal Regulations #29, Part 1910.1200)

3. The Organization for Safety and Asepsis (OSAP). www.osap.org.
 - *From Policy to Practice: OSAP's Guide to the Guidelines*
 - *OSAP's OSHA & CDC Guidelines: Interact Training System*
4. The American Dental Assistants Association (ADAA). www.dentalassistant.org.
 - *Infection Control in the Dental Office: A Review for a National Infection Control Exam (Course #0906)*
 - *Guidelines for Infection Control in Dental Health Care Settings (Course #1305)*
5. The DALE Foundation. www.dalefoundation.org.
 - *DANB ICE Review*
 - *DANB ICE Practice Test*
6. OSAP-DALE Foundation Dental Infection Prevention and Control Certificate Program. www.dentalinfectioncontrol.org

State Regulations

Each state's dental board implements regulations and establishes rules for delegating legally allowable duties to dental assistants. Passing one or more of the DANB exams or earning DANB certification only conveys authority to perform these duties in those states that recognize these exams or this certification as meeting state dental assisting requirements. This information is at www.danb.org.