Dental Assisting National Board, Inc.

in collaboration with

Certified in Dental Infection Prevention and Control® (CDIPC®)

Exam Outline and Suggested References

The CDIPC exam assesses knowledge-based competence.

The purpose of the CDIPC exam is to ensure that individuals meet the minimum national standard for knowledge-based competence in dental infection prevention and control for the clinician. See dentalinfectioncontrol.org for CDIPC exam eligibility requirements.

Effective 05/14/2021

CDIPC

Exam Outline Overview

Exam Weighting by Domain

I. Policies and Administrative Responsibilities (15%)

II. Patient and Dental Health Care Provider Protection (25%)

III. Environmental Asepsis and Disinfection (30%)

IV. Sterilization and Instrument Processing (30%)

Pretest Exam Details

- Number of Multiple-Choice Questions: 200 (Pretest event only)
- Time for Exam: 150 minutes (Pretest event only)

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

The CDIPC exam pretest will only be administered in-person at a Pearson VUE test center.

If you participate in this pretest event your exam results will not be available immediately. You will be notified of your exam results and certification status no later than December 31, 2021.

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CDIPC Exam Outline

The Certified in Dental Infection Prevention and Control® (CDIPC®) exam is developed and administered by the Dental Assisting National Board (DANB). DANB exams are created using the exam outline, which is reviewed by subject matter experts including those from the fields of oral healthcare and dental infection prevention and control. The outline was developed using a content validation study (CVS), which included a job analysis survey where clinicians who perform dental infection prevention and control tasks were surveyed about how often tasks are performed and how important competent performance of tasks is to the health and safety of the public. The Organization for Safety, Asepsis and Prevention (OSAP) Board of Directors and OSAP members participated in the CVS and development of this exam outline, which was reviewed and approved by DANB's Board of Directors.

I: Policies and Administrative Responsibilities (15%)

A. Describe laws, rules, regulations, standards and guidelines as they apply to dental infection prevention and control, including but not limited to:

1. develop, review, and update infection prevention and control policies and procedures.
2. evaluate infection prevention and control programs and compliance.
3. maintain manufacturer's instructions for use and reuse of devices.
4. select and maintain personal protective equipment (PPE).
5. follow Centers for Disease Control and Prevention (CDC) immunization recommendations for healthcare personnel.

B. Explain hazard communication standards as they relate to infection prevention and control practices and products, including but not limited to:

1. handling, use, storage and disposal of disinfection and sterilization chemicals.
2. safety data sheets.
3. documentation of regulated medical waste disposal.

C. Describe how to select, receive/inspect, store, maintain and document infection prevention and control supplies inventory.

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II: Patient and Dental Healthcare Personnel Protection (25%)

A. Infection prevention and control concepts, including but not limited to:

1. describe chain of infection.
2. identify modes of infectious disease transmission.
3. describe transmission of emerging diseases.

B. Patient and dental healthcare personnel safety

1. Identify how to maintain aseptic conditions.
2. Describe how to apply standard precautions to prevent the spread of infectious diseases.
3. Describe patient clinical safety precautions, including safety eyewear.
4. Identify hand hygiene protocols based on procedure, including selection of product and duration.
5. Describe how to protect the patient and dental healthcare personnel by using PPE.
    a. Select PPE for use based on task.
    b. Describe PPE protocols, including but not limited to:
        i. donning.
        ii. doffing.
        iii. preparing for reuse.
        iv. disposal.
6. Describe how to prevent backflow in low-volume evacuation.

C. Occupational exposure and safety

1. Describe protocols for exposure prevention and post-exposure management.
2. Identify sharps safety, including but not limited to:
    a. engineering and work practice controls.
    b. selection, evaluation and use of sharps safety devices.
    c. safe injection practices.
3. Identify personnel work restrictions as they apply to medical conditions and work-related illnesses.

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III: Environmental Asepsis and Disinfection (30%)

A. Infection prevention and control protocols to prevent cross-contamination.

B. Manufacturers' Instructions for Use (IFU).

C. Surface Asepsis

1. Describe procedures and preparation of products for cleaning/disinfection contaminated surfaces.
2. Describe use of surface barriers, including but not limited to:
    a. selection.
    b. placement.
    c. removal and disposal.

D. Infection prevention and control protocols, including but not limited to:

1. radiography.
2. laboratory materials/equipment.
3. evacuation systems.
4. handling biological materials.
5. high-tech devices.
6. laser/electrosurgery plumes or surgical smoke.
7. oral surgical procedures.
8. technique for parenteral medications.

E. Dental unit water quality protocols, including but not limited to:

1. maintaining water quality.
2. monitoring and testing.
3. improvement methods.
4. use of sterile irrigation water.
5. boil-water advisories and procedures.

F. Incoming/outgoing lab cases and laboratory equipment processing protocols.

G. Disposal procedures, including but not limited to:

1. waste types.
2. disposable items.

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IV: Sterilization and Instrument Processing (30%)

A. Sterilization/disinfection procedures based on Spaulding classifications.

B. Instrument processing procedures, including but not limited to:

1. preparing work area for reprocessing contaminated items.
2. transporting and receiving items.
3. cleaning and/or decontaminating items.
4. inspecting items for cleanliness and functionality.
5. following manufacturer's instructions for reprocessing items.
6. selecting packaging method and materials.
7. assembling, packaging and labeling items, including slow-speed/high-speed handpieces (with or without motors).
8. selecting and placing biological, chemical, and/or mechanical indicators.
9. loading and unloading sterilizer.
10. preparing work area for sterile storage.
11. storing and distributing sterile items to point-of-use.
12. immediate use sterilization.

C. Sterilization documentation.

1. Document sterilization load contents.
2. Record instrument processing in sterilization logbook.

D. Sterilization monitoring.

1. Examine package integrity (pre-sterilization, post-sterilization).
2. Respond to sterilization failure and device malfunctions.
3. Interpret output of sterilization tests and follow sign-off procedures.

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CDIPC Exam Suggested References

CDIPC exam item writers use the following suggested exam preparation references to develop this exam. These are resources that 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.

This list is intended to help prepare you to take this exam is not intended to be comprehensive or an endorsement of any of the publications listed. You should prepare for the CDIPC exam using as many different study materials as possible. Any one reference will likely not include all the material required to study to take the exam.

Suggested Exam Preparation References

1. Centers for Disease Control and Prevention (CDC). www.cdc.gov.
   - *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 standard* (Code of Federal Regulations #29, Part 1910). *https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1200*
   - *Bloodborne Pathogens Standard* (1910.1030). www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1030

3. Miller, Chris. *Infection Control and Management of Hazardous Materials for the Dental Team*. 6th ed. St. Louis, MO: Elsevier/Mosby, 2018. **[This edition only.]**

Additional/Optional Study Resources

1. Bird, Doni L., and Debbie S. Robinson. *Essentials of Dental Assisting*. 6th ed. St. Louis, MO: Elsevier/Saunders, 2017. **[This edition only.]**

2. Bird, Doni L., and Debbie S. Robinson. *Modern Dental Assisting*. 12th ed. St. Louis, MO: Elsevier/Saunders, 2018. **[This edition only.]**

3. Phinney, Donna J., and Judy H. Halstead. *Dental Assisting: A Comprehensive Approach*. 5th ed. Clifton Park, NY: Delmar, 2018. **[This edition only.]**

4. The Organization for Safety, Asepsis and Prevention (OSAP). www.osap.org.
   - From Policy to Practice: OSAP's Guide to the Guidelines
   - OSAP Dental Infection Control Bootcamp™
   - OSAP's OSHA & CDC Guidelines: Interact Training System

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5. The DALE Foundation. www.dalefoundation.org.
   - *DANB ICE Review*
   - *DANB ICE Practice Test*

6. OSAP-DALE Foundation. www.dentalinfectioncontrol.org
   - *OSAP-DALE Foundation Dental Infection Prevention and Control eHandbook*
   - *Understanding CDC's Summary of Infection Prevention Practices in Dental Settings*
   - *General Aspects of Instrument Processing*

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