



# Oregon Expanded Functions General Dental Assisting and Infection Control Exam

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## Exam Outline and Study Resources

**Section 1:** Oregon Expanded Functions General Dental Assisting

**Section 2:** Infection Control

Effective 07/01/2025

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## Exam Weighting by Section and Domain

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### Section 1: Oregon Expanded Functions General Dental Assisting

- I. Restorative Functions (45 - 55%)
- II. Coronal Polish (15 - 25%)
- III. Anatomy and Collection of Clinical Data (15 - 25%)
- IV. Tooth Whitening (3 - 5%)

### Section 2: Infection Control

- I. Prevention of Disease Transmission (20%)
- II. Prevention of Cross-contamination (34%)
- III. Process Instruments and Devices (26%)
- IV. Occupational Safety and Administration Protocols (20%)

## Exam Administration

|                                     |                         |
|-------------------------------------|-------------------------|
| Number of Multiple-Choice Questions | <b>Exam: 165</b>        |
|                                     | Section 1: 90 questions |
|                                     | Section 2: 75 questions |
| Time for Exam (minutes)             | <b>Exam: 135</b>        |
|                                     | Section 1: 75 minutes   |
|                                     | Section 2: 60 minutes   |

### Testing Options

This exam is administered in-person and through remote online proctoring. The candidate may choose the method they prefer. Remote proctoring allows candidates to take exams using their own computer while being remotely monitored by webcam and microphone.

# Section 1: Oregon Expanded Functions General Dental Assisting

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## I. Restorative Functions (45 - 55%)

- A. Isolation
- B. Place matrices
- C. Remove excess cement
- D. Dental materials
- E. Instruments
- F. Fabricate temporary crowns
  - 1) Trial fit
  - 2) Initial placement and removal
  - 3) Interproximal and interocclusal contacts
  - 4) Contour and margin fit

## II. Coronal Polish (15 - 25%)

- A. Tooth deposits
- B. Instruments
- C. Dental materials
- D. Procedure

## III. Anatomy and Collection of Clinical Data (15 - 25%)

- A. Dentition
- B. Tooth surfaces and anatomical features
- C. Occlusion classifications
- D. Tooth numbering systems
- E. Anatomic landmarks of the oral cavity
- F. Dental caries
- G. Tooth anomalies
- H. Periodontal disease
- I. Vital signs
- J. Clinical charting

## IV. Tooth whitening (3 - 5%)

## Section 2: Infection Control

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### I. Prevention of Disease Transmission (20%)

- A. Infectious diseases
  - 1. Modes of disease transmission
  - 2. Patient safety
  - 3. Occupational risk
- B. Review medical histories for transmissible diseases.
- C. Hand hygiene, including but not limited to:
  - 1. product types (e.g., antimicrobial, antibacterial, alcohol rub).
  - 2. skin/nail care.
  - 3. techniques.
  - 4. protocols
- D. Use of personal protective equipment (PPE), including but not limited to:
  - 1. select appropriate PPE.
  - 2. prepare PPE for reuse.
  - 3. don and doff techniques and sequence.
  - 4. patient safety precautions.
  - 5. dispose of contaminated PPE.
- E. Minimize contact with aerosols, droplets and spatter using, but not limited to:
  - 1. barriers.
  - 2. dental dams.
  - 3. evacuation.

### II. Prevention of Cross-contamination (34%)

- A. Clean and disinfect treatment areas and laboratories
- B. Prepare and use chemical disinfectants.
- C. Use of surface barriers.
- D. Prepare tray setups (e.g., single-use devices [SUD], single unit dosing, aseptic retrieval).
- E. Maintain and monitor dental unit water lines.
- F. Clean and maintain evacuation lines and traps.
- G. Clean and disinfect equipment, including but not limited to radiography equipment.
- H. Disinfect impressions and dental appliances.
- I. Dispose of biohazardous and other waste.

### III. Process Instruments and Devices (26%)

- A. Process instruments and devices, including but not limited to:
  - 1. transport contaminated instruments/devices.
  - 2. follow workflow patterns.
  - 3. prepare and use chemical agents.
  - 4. select the system for sterilization.
  - 5. package and label for sterilization.
  - 6. load and unload the sterilizer.
  - 7. store and maintain sterility.
- B. Monitor and maintain processing equipment (e.g., sterilizers, ultrasonic cleaner).
  - 1. Select the system for sterilization monitoring.
  - 2. Interpret results from sterilization monitoring devices.
  - 3. Respond to equipment malfunctions.

### IV. Occupational Safety and Administration Protocols (20%)

- A. Occupational safety regulations, standards and guidelines:
  - 1. OSHA Bloodborne Pathogens Standard as it applies to, but not limited to:
    - a. engineering and work practice controls.
    - b. needle and sharps safety.
    - c. sharps exposure and post-exposure protocols.
    - d. record keeping and training.
  - 2. OSHA Hazard Communication Standard as it applies to, but not limited to:
    - a. chemical exposure/hazard and first aid.
    - b. engineering and work practice controls.
    - c. safety data sheets (SDS).
    - d. secondary containers.
  - 3. CDC guidelines.
  - 4. federal regulations (e.g., EPA, FDA).
- B. Maintain and document programs and policies for infection prevention control and safety, including but not limited to:
  - 1. exposure control plan.
  - 2. infection control breaches.
  - 3. quality assurance (quality improvement).
  - 4. sterilization logs/records.
  - 5. training records.

## Study Resources

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We want to help you prepare for your upcoming exam by sharing the list of *Suggested Study Resources* below that are recommended by DANB Subject Matter Experts and used as references in developing exam content.

Important Points:

1. **Suggested Study Resources:** These are materials that our Subject Matter Experts believe are the most relevant and up to date for your exam preparation. However, this list is not exhaustive, and you may find other helpful materials not included here.
2. **Additional Study Resources:** There are other study resources that our Subject Matter Experts consider beneficial. Some of these are free, while others may require purchase. These resources were not used to create the exam, but they can still support your preparation.
3. **Using Older Editions:** You can use previous editions of the resources listed, if they were published within the last 5 years. This flexibility allows you to access a wide range of study materials.

We hope that these materials will help you feel confident and prepared as you study for your exam. If you have any questions or need further assistance, please contact us at [danb.org](http://danb.org).

## Suggested Study Resources

1. Bird, Doni L., and Debbie S. Robinson. *Essentials of Dental Assisting*. 7th ed., 2023.
2. Bird, Doni L., and Debbie S. Robinson. *Modern Dental Assisting*. 14th ed., 2024.
3. Centers for Disease Control and Prevention, US Department of Health and Human Services.
  - Guidelines for Infection Control in Dental Health-Care Settings—2003 (MMWR, Vol. 52, RR 17).
  - Summary of Infection Prevention Practices in Dental Settings: Basic Expectations for Safe Care, October 2016.
4. Eakle, W.S. and Kimberly G. Bastin. *Dental Materials: Clinical Applications for Dental Assistants and Dental Hygienists*. 4th ed., 2021.
5. Miller, Chris. *Infection Control and Management of Hazardous Materials for the Dental Team*. 7th ed., 2023.
6. Singhal, Vishali, Susan Kantz, and Melissa Damatta. *Dental Assisting: A Comprehensive Approach*, 6th ed., 2022.
7. U.S. Department of Labor, Occupational Safety and Health Administration (OSHA).
  - Bloodborne Pathogens (1910.1030).
  - Hazard Communication (1910.1200).
  - Hazard Communication Standard Pictogram Quickcard.
8. Oregon State Dental Practice Act. Sec. 818, Div. 42.

## Additional Study Resources

1. The DALE Foundation. [dalefoundation.org](http://dalefoundation.org).
  - *DANB ICE Review*
  - *ICE Practice Test*
  - Dental Infection Prevention and Control Certificate Program (includes Understanding CDC's Summary of Infection Prevention Practices in Dental Settings and Dental Infection Prevention and Control eHandbook)
  - Aerosol Management and Indoor Air Safety
  - Sterilization and Sterilization Monitoring
  - Safety Stuff That Matters: Protecting Against Exposure to Blood
2. Association for Dental Safety. [myads.org](http://myads.org).
  - *From Policy to Practice: OSAP's Guide to the CDC Guidelines (2022 Edition)*
  - *OSAP's OSHA & CDC Guidelines: Interact Training System, 7th ed.*
3. U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). [osha.gov](http://osha.gov).
  - *OSHA Quickcard* [osha.gov/Publications/HazComm\\_QuickCard\\_Pictogram.html](http://osha.gov/Publications/HazComm_QuickCard_Pictogram.html)

# Acronyms

The following table lists acronyms that you may find on this exam. When you take the exam, the full list of acronyms will be available to you.

| Acronym/Abbreviation | What it stands for  |
|----------------------|---|
| °                    | degree symbol   |
| °C                   | degrees Celsius   |
| °F                   | degrees Fahrenheit  |
| µm                   | micrometer  |
| AAPD                 | American Academy of Pediatric Dentistry   |
| ADA                  | American Dental Association   |
| ADS                  | Association for Dental Safety Formerly the Organization for Safety, Asepsis and Prevention (OSAP) |
| AED                  | automated external defibrillator  |
| BBP                  | bloodborne pathogens  |
| BI                   | biologic indicator  |
| b.i.d.               | two times a day   |
| C/kg                 | coulombs per kilogram   |
| CAD/CAM              | computer-aided design / computer-aided manufacturing  |
| CBCT                 | cone beam computed tomography   |
| CCD                  | charge-coupled device   |
| CDA                  | Certified Dental Assistant  |
| CDC                  | Centers for Disease Control and Prevention  |
| CEJ                  | cementoenamel junction  |
| CFU/mL               | colony forming unit / milliliter  |
| CMOS                 | complementary metal oxide semiconductor   |
| COPD                 | chronic obstructive pulmonary disease   |
| CPR                  | cardiopulmonary resuscitation   |
| CT                   | computed tomography   |
| DEJ                  | dentinoenamel junction  |
| DO                   | disto-occlusal  |
| DUWL                 | dental unit waterline   |
| EPA                  | Environmental Protection Agency   |
| FDA                  | Food and Drug Administration  |
| FMS                  | full mouth series   |
| Gy                   | gray  |
| H1N1                 | hemagglutinin type 1 and neuraminidase type 1   |
| HAV                  | hepatitis A virus   |
| HBIG                 | hepatitis B immune globulin   |
| HBsAg                | hepatitis B surface antigen   |
| HBV                  | hepatitis B virus   |
| HCS                  | Hazard Communication Standard   |
| HCV                  | hepatitis C virus   |
| HDV                  | hepatitis D virus   |
| HEPA                 | high-efficiency particulate air   |



| Acronym/Abbreviation | What it stands for                                    |
|----------------------|---|
| HEV                  | hepatitis E virus                                     |
| HIPAA                | Health Insurance Portability and Accountability Act   |
| HIV                  | human immunodeficiency virus                          |
| HPV                  | human papillomavirus                                  |
| h.s.                 | at bedtime  |
| HSV                  | herpes simplex virus                                  |
| HSV-1                | herpes simplex virus - 1 (oral herpes)                |
| HSV-2                | herpes simplex virus - 1 (genital herpes)             |
| HVE                  | high-volume evacuation                                |
| ID                   | identification  |
| IFU                  | instructions for use                                  |
| IRM                  | intermediate restorative material                     |
| IV                   | intravenous   |
| kVp                  | kilovoltage peak                                      |
| LED                  | light-emitting diode                                  |
| mA                   | milliamperage   |
| mL                   | milliliter  |
| mm                   | millimeter  |
| MMR                  | measles, mumps and rubella                            |
| MOD                  | mesial, occlusal, distal                              |
| MPD                  | maximum permissible dose                              |
| MRI                  | magnetic resonance imaging                            |
| MRSA                 | methicillin-resistant <i>Staphylococcus aureus</i>    |
| mSv                  | millisievert  |
| mW/cm <sup>2</sup>   | milliwatts per square centimeter                      |
| N <sub>2</sub> O     | nitrous oxide   |
| NIOSH                | National Institute for Occupational Safety and Health |
| NiTi                 | nickel-titanium                                       |
| O <sub>2</sub>       | oxygen  |
| OFD                  | object-film distance                                  |
| OHCP                 | oral healthcare personnel                             |
| OPIM                 | other potentially infectious materials                |
| OSHA                 | Occupational Safety and Health Administration         |
| OTC                  | over-the-counter                                      |
| PA                   | posteroanterior                                       |
| pH                   | potential of hydrogen                                 |
| PID                  | position indicating device                            |
| PPE                  | personal protective equipment                         |
| ppm                  | parts per million                                     |
| PSP                  | phosphor storage plate                                |
| PVS                  | polyvinyl siloxane                                    |
| q.i.d.               | four times a day                                      |
| rads                 | radiation absorbed dose                               |
| rem                  | roentgen equivalent man                               |

| <b>Acronym/Abbreviation</b> | <b>What it stands for</b>          |
|-----------------------------|------------------------------------|
| RPD                         | removable partial denture          |
| rpm                         | revolutions per minute             |
| SDS                         | safety data sheet                  |
| SLOB                        | same lingual, opposite buccal      |
| SLR                         | single-lens reflex                 |
| Sv                          | sievert                            |
| TB                          | tuberculosis                       |
| Tdap                        | tetanus, diphtheria, and pertussis |
| t.i.d.                      | three times a day                  |
| TLD                         | thermoluminescent dosimeter        |
| TMD                         | temporomandibular disorder         |
| TMJ                         | temporomandibular joint            |
| UV                          | ultraviolet                        |
| XCP                         | extension cone paralleling         |
| ZOE                         | zinc oxide-eugenol                 |