



National Board Dental Hygiene Examination 2012 Guide

Read this *Guide* before submitting an application to test.

At the time of application, you will be required to acknowledge that you have read and understood this *Guide* and the policies and procedures contained within.

Print this *Guide* for your records.



**JOINT COMMISSION
ON NATIONAL
DENTAL EXAMINATIONS**

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OVERVIEW

About this *Guide* and National Board Dental Hygiene Examination (NBDHE) Policies

This document is the official guide to policies for the National Board Dental Hygiene Examination (NBDHE). It provides fundamental information about application and testing procedures as well as examination content and scoring.

You are required to read this document before you apply to take the test. At the time of application, you will be required to confirm that you have read this document, understood its contents, and agree to the policies and procedures contained herein.

Changes in the NBDHE may occur after publication of this *Guide*. If changes occur, they will be posted at the Web site www.ADA.org. You must become familiar with and will be subject to the policies and procedures in effect at the time you test.

Dental Hygiene Licensure and the NBDHE

Licensure of dental hygienists in the United States is the responsibility of an individual state, district, or dependency. A license issued by one such jurisdiction is applicable only within the geographic confines of that particular jurisdiction. Agencies in state government that administer dental hygiene licensure under laws adopted by state legislatures typically are called state boards of dentistry. A list of the state boards can be found at www.dentalboards.org.

Specific dental hygiene licensure requirements vary among jurisdictions, but all jurisdictions have three basic requirements: an educational requirement, a written examination requirement, and a clinical examination requirement. Most jurisdictions accept graduation from a dental hygiene program accredited by the Commission on Dental Accreditation (CODA) of the American Dental Association as fulfilling the educational requirement, and based on reciprocity, graduation from a Canadian dental hygiene program accredited by the Commission on Dental Accreditation of Canada (CDAC).

The NBDHE is intended to fulfill or partially fulfill the written examination requirement, but acceptance of National Board results is completely at the discretion of the individual state. A state may place any limit on acceptance of National Board results that it deems appropriate. For example, some states accept National Board results only if earned within the last five to 15 years. Currently, all United States licensing jurisdictions recognize National Board results. These jurisdictions include all 50 states, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands of the United States.

The Joint Commission on National Dental Examinations (JCND E) is the agency responsible for the development and administration of the NBDHE. This 15-member Commission includes representatives of dental schools, dental practice, state dental examining boards, dental

hygiene, dental students, and the public. A standing committee of the JCNDE includes other dental hygienists who act as consultants regarding this examination.

Clinical examinations are conducted by individual state boards of dentistry or by regional or independent clinical testing agencies.

Purpose of the National Board Dental Hygiene Examination

The purpose of the NBDHE is to assist state boards in determining qualifications of dental hygienists who seek licensure to practice dental hygiene. The examination assesses the ability to understand important information from basic biomedical, dental, and dental hygiene sciences and the ability to apply such information in a problem-solving context.

ETHICAL CONDUCT

Ethical Conduct and the Licensure Process for Dental Hygienists

Dental hygienists play an important role in society by providing oral health services that contribute to the health and well-being of individuals and their communities. The dental profession requires its members to behave ethically in the practice of dentistry or dental hygiene at all times. This obligation begins at the time of application to a dental hygiene education program and continues through the educational process, the licensure process, and the entirety of professional practice.

As professionals devoted to the prevention of disease and the promotion and improvement of the public's health, dental hygienists hold a position of trust with society. The American Dental Hygienists' Association's *Code of Ethics for Dental Hygienists* establishes standards of behavior to guide the public's expectations and supports dental hygiene practice, laws, and regulations. By holding themselves accountable to the standards stated in the *Code*, dental hygienists enhance the public's trust on which their professional privilege and status are founded.

Applicants for the NBDHE are expected to abide by these ethical standards and to read, understand, and comply with the *Rules of Conduct* and regulations guiding the National Board examinations. The obligation to abide by the ethical standards of the profession includes a commitment to honesty, truthfulness, full disclosure, accuracy, fairness, and integrity in completing the examination application, in the examination process itself, and in applying for licensure.

The purpose of the examination is to ensure that each examination candidate and applicant for licensure has achieved the level of knowledge, skill, and judgment necessary to practice in a safe and responsible manner. Accordingly, all candidates are expected to pass the examination on their own merit without assistance, and are expected to maintain the confidentiality of the examination. Members of the public who entrust dental hygienists with their well-being expect that they are trustworthy and competent individuals.

Behavior that results in misconduct or irregularity in the licensure examination process is a very serious matter. Violation of the NBDHE *Rules of Conduct* or the *Examination Regulations* may result in civil liability, voiding of examination results or other appropriate penalty. Under certain

circumstances, misconduct or irregularity in the examination process may be reported to the relevant licensing authority. A candidate who acts unethically risks potential delay, denial, suspension, or loss of licensure.

The JCNDE, the state boards of dentistry, and the profession at-large, expect strong ethical behavior in all candidates for licensure. The JCNDE annually publishes information about the policies and procedures applicable to misconduct and irregularities in the NBDHE application and examination process. The information is available through the Web site www.ADA.org, or by contacting the JCNDE by telephone, by facsimile, or in writing. The JCNDE expects all candidates to carefully read and understand this information and their obligations as candidates for National Board certification. Questions regarding these principles and policies should be directed to the JCNDE.

ELIGIBILITY REQUIREMENTS

The JCNDE does not discriminate based on race/ethnicity, religion, gender, age, disability, sexual orientation, or marital status.

To participate in the NBDHE, a candidate must qualify through one of the provisions listed below:

Dental Hygiene Student

A student in an accredited dental hygiene program is eligible for examination when the dental hygiene program director (or designee) certifies that the student is prepared in all NBDHE disciplines. If the dental hygiene program is accredited by CODA, the director's (or designee) signature on the paper application or the electronic approval of the director (or designee) meets this requirement. Only dental hygiene programs in the United States and in Canada (by reciprocal agreement) are accredited by CODA.

Graduate of an Accredited Program

A dental hygienist, who is a graduate of a dental hygiene program that was accredited by CODA during the time the dental hygienist was enrolled, is eligible for examination following the JCNDE's receipt of evidence of graduation.

The means of fulfilling this eligibility requirement for participating in the NBDHE is a copy of your dental hygiene program diploma, a copy of your final transcript with the conferred degree, or a letter from the director of the accredited dental hygiene program from which the individual was graduated. If you submit an application without proof of graduation your application will not be processed until the JCNDE receives the appropriate documentation. Recent graduates who are retaking the examination must also provide proof of graduation.

Graduate of a Non-Accredited Program

A dental hygienist who is a graduate of a U. S. or Canadian dental hygiene education program that was not accredited during the time the dental hygienist was enrolled is eligible for examination only if the program was equivalent to an accredited program (see summary of

accreditation standards below). Accreditation standards in effect at the time the candidate applies for examination are used in evaluating the program.

The means of fulfilling the eligibility requirement must be in the form of a letter of recommendation from the (a) dean of an accredited dental school or director of an accredited dental hygiene program, and the (b) secretary of a board of dentistry of a U.S. licensing jurisdiction. The letter must certify that the non-accredited program met each of several requirements in terms of length of study, subjects, functions, and hours.

The following provisions are required for the verification of educational credentials obtained from non-accredited international dental hygiene schools, i.e., schools not accredited by the CODA or the Commission on Dental Accreditation of Canada (CDAC).

You must have official dental school transcripts verified by Educational Credential Evaluators, Inc. (ECE); ECE prepares evaluation reports that identify U.S. equivalents of educational qualifications earned in other countries.

Educational Credential Evaluators, Inc.
P.O. Box 514070, Milwaukee, Wisconsin 53202-3470
414.289.3400 or www.ece.org

1. Contact Educational Credential Evaluators, Inc. (ECE) and request an ECE evaluation report. The ECE evaluation report request will describe what educational credentials are required, the manner in which to submit them to ECE, and applicable fee. To request an evaluation report, visit www.ece.org and select *Start Your Evaluation Request* and request that a *General Report* be sent directly to the JCNDE.
2. Only official reports electronically transmitted from ECE, Inc. to the JCNDE will be accepted. Personal copies or faxed copies are not acceptable.
3. The JCNDE will hold the examination application, but will not process it before the ECE Evaluation Report is received.
4. The name on the ECE report must match the name on your application. Any name changes must be accompanied by legal documentation.

A summary of accreditation standards used in evaluating the credentials of a graduate of a non-accredited dental hygiene program is as follows:

1. The dental hygiene program included at least two academic years of full-time instruction or its equivalent at the postsecondary college-level.
2. The dental hygiene program curriculum included content in the following four areas:

General Education: (a) oral and written communications, (b) psychology, and (c) sociology.

Biomedical Sciences: (a) anatomy, (b) physiology, (c) chemistry, (d) biochemistry, (e) microbiology, (f) immunology, (g) general pathology and/or pathophysiology, (h) nutrition, and (i) pharmacology.

Dental Sciences: (a) tooth morphology, (b) head, neck, and oral anatomy, (c) oral embryology and histology, (d) oral pathology, (e) radiography, (f) periodontology, (g) pain management, and (h) dental materials.

Dental Hygiene Sciences: (a) oral health education and preventive counseling, (b) health promotion, (c) patient management, (d) clinical dental hygiene, (e) provision of services for and management of patients with special needs, (f) community dental/oral health, (g) medical and dental emergencies, (h) legal and ethical aspects of dental hygiene practice, (i) infection and hazard control management, and the (j) provision of oral health care services to patients with blood borne infectious diseases.

3. The number of hours of clinical practice in the dental hygiene program must ensure that clinical competence is attained and appropriate judgment is developed. The preclinical course should have at least six hours of clinical practice per week. The first year clinical courses should have at least eight to 12 hours of clinical practice time per week. The second year clinical courses should have at least 12 to 16 hours of practice per week.
4. The dental hygiene program graduate must be competent in providing dental hygiene care for the child, adolescent, adult, and geriatric patient. Graduates must be competent in providing the dental hygiene process of care which includes:
 - a. Comprehensive collection of patient data to identify the physical and oral health status.
 - b. Analysis of assessment findings and use of critical thinking in order to address the patient's dental hygiene treatment needs.
 - c. Establishment of a dental hygiene care plan that reflects the realistic goals and treatment strategies to facilitate optimal oral health.
 - d. Provision of patient-centered treatment and evidence-based care in a manner minimizing risk and optimizing oral health.
 - e. Measurement of the extent to which goals identified in the dental hygiene care plan are achieved.
 - f. Complete and accurate recording of all documentation relevant to patient care.
5. The dental hygienist is proficient in the English language.

Dental Student

A dental student from an accredited dental school is eligible for examination if the dean of the dental school certifies that the student has completed the equivalent of an accredited dental

hygiene program. The means of fulfilling this requirement is a letter from the dean of the accredited dental school.

Dentist

A dentist is eligible for examination if the eligibility requirements for National Board Dental Examination (NBDE) are met. This provision does not apply to a dentist who was endorsed for the NBDE Part I by the dean of an accredited dental school that was considering admission of the dentist with advanced standing. The dentist must provide the necessary documentation to fulfill the dental eligibility requirements.

Eligibility for Reexamination

Candidates who have passed the NBDHE may not retake the examination unless required to do so by a state board or relevant regulatory agency.

Candidates who have not passed may apply for reexamination at any time. However, a minimum of 90 days must separate each reexamination attempt on the NBDHE.

NBDHE candidates who have not passed an examination after three attempts will be required to wait 12 months after their third attempt before they can apply for reexamination. This policy includes any previous examination attempts. An examination attempt is defined as any examination administration where the candidate has been seated at a testing center and electronically agreed to the confidentiality statement to start the examination. After the 12-month waiting period has lapsed, a new cycle will apply. Candidates are encouraged to seek formal remediation before reexamination.

Candidates shall be limited to successful completion of the NBDHE within five years of testing or five examination attempts, whichever comes first. This policy applies to testing attempts beginning January 1, 2012.

TESTING ACCOMMODATIONS

The JCNDE provides reasonable and appropriate accommodations in accordance with the Americans with Disabilities Act for individuals with documented disabilities who demonstrate a need for accommodation.

The Americans with Disabilities Act defines a person with a disability as an individual with a physical or mental impairment that substantially limits one or more major life activities.

Problems such as English as a second language, test anxiety or slow reading without an identified underlying physical or mental deficit, or failure to achieve a desired outcome are not learning disabilities and are generally not covered by the Americans with Disabilities Act.

Testing accommodations may be provided to a candidate with a qualified disability to offer equal access to testing.

Request for Testing Accommodations and Appropriate Documentation

The following information will assist the candidate in submitting the appropriate documentation to support the testing accommodation request. The documentation will assist the JCNDE in determining whether the individual qualifies for accommodations under the Americans with Disabilities Act.

The JCNDE requires a complete evaluation of the candidate as well as the completed and signed Testing Accommodation Request Form available at www.ADA.org. A licensed professional appropriately qualified for evaluating the disability must conduct the evaluation.

If you have a documented disability recognized under the Americans with Disabilities Act and require testing accommodations, you must:

1. Check the box that indicates you are requesting testing accommodations at the time you submit your NBDHE application and **prior to scheduling a testing appointment**. You must submit an application to test, the testing accommodation request form, and the supporting documentation. The process is not complete until you have submitted all three components. You can schedule a testing appointment after your testing accommodation request has been approved. Testing accommodations cannot be added to a previously scheduled testing appointment. If you schedule your testing appointment before the approval of testing accommodations you will be required to cancel the appointment and pay a reschedule fee.
2. Submit the following documents to nbexams@ada.org:
 - a. Testing Accommodation Request Form, signed and dated, describing the disability, and the need for accommodations. Accommodations should align with the identified functional limitation so that the adjustment to the testing procedure is applicable to the identified impairment. A functional limitation is defined as the behavioral manifestation of the disability that impedes the individual's ability to function.
 - b. Current evaluation report (within the past five years) from the appropriate licensed professional. The document (must be on official letterhead/stationary) should include the professional's credentials, signature, address, and telephone number. The report must indicate the candidate's name, date of birth, and date of evaluation. The report should include:
 - The specific **diagnostic procedures or tests** administered. Diagnostic methods used should be appropriate to the disability and in alignment with current professional protocol.
 - The **results** of the diagnostic procedures and/or tests and a comprehensive interpretation of the results.
 - The specific **diagnosis of the disability**, with an accompanying description of the candidate's limitations due to the disability.

- A summary of the complete evaluation with **recommendations for the specific accommodations** and how they will reduce the impact of identified functional limitation.
- c. Documentation of any previous accommodations provided by educational institutions or other testing agencies. If no prior accommodations were provided, the licensed professional should include a detailed explanation as to why no accommodations were given in the past and why accommodations are needed now.

Unacceptable Forms of Documentation for Requests for Accommodation

Please do not submit the following documents. The JCNDE will not accept them.

1. Handwritten letters from licensed professionals.
2. Handwritten patient records or notes from patient charts.
3. Diagnoses on prescription pads.
4. Self-evaluations found on the Internet or in any print publication.
5. Research articles.
6. Original evaluation documents; please submit copies of the original documents.
7. Previous correspondence from the JCNDE. We maintain copies of all correspondence.
8. Correspondence from educational institutions or testing agencies not directly addressed to the JCNDE.

EXAMINATION APPLICATION AND APPOINTMENT INFORMATION

You may submit an electronic application at www.ADA.org using a credit card. Alternatively, you may request a paper application by submitting a written request via fax (312.587.4105). If you submit a paper application you must pay by money order (payable to the American Dental Association) and submit via U.S. mail to the JCNDE, 211 East Chicago Avenue, Suite 600, Chicago, Illinois 60611-2637. A new application must be submitted each time you wish to test.

Testing Appointments

The NBDHE is administered at Pearson VUE testing centers year-round. You can schedule your own test date and time following submission of an application and notification of your approved eligibility. Pearson VUE testing centers are located throughout the United States, its territories (Guam, Puerto Rico, and the Virgin Islands), and Canada; specific locations can be searched through <http://www.pearsonvue.com/nbdhe/>.

Examination Fees

The 2012 NBDHE fee is \$380. This fee includes sending a score report to you, three dental licensing jurisdictions, and the dental hygiene program director of your dental hygiene school if you are currently enrolled in an accredited dental hygiene school. The three official score reports are included only if they are indicated on the original application. Additional requests for official score reports (received after the time of application) require a fee of \$30 per report.

If you fail to report for an examination or you cancel your testing appointment less than 24 hours

prior to your scheduled testing date, you will not receive a refund of the examination fee.

Fees are non-refundable and non-transferable (no exceptions).

If payment of an examination fee is uncollectible, your results are withheld until payment is received. A replacement payment must be made by certified check or money order payable to the American Dental Association. An additional fee of \$30 is required for uncollectible fees and must be included with the replacement payment. If you have not resolved a debt within 60 days after a testing date, your results from the testing date are voided and destroyed unless you received failing results.

Examination Schedule

The following table indicates the time allocated for the administration of the NBDHE. For an outline of the examination content see Appendix C, Test Specifications.

National Board Dental Hygiene Examination	
Optional tutorial	15 minutes
Session one: Discipline-based items; 200 items	3.5 hours
Optional scheduled break	1 hour
Session two: Patient Case items; 150 items	4 hours
Optional post-examination survey	15 minutes

The optional break after the first 200 items is the only “scheduled” break. If you take a break at any other time, it will be considered an “unscheduled” break. Please carefully review the rules related to “unscheduled” breaks.

Obtain a DENTPIN® and Apply to Test

As part of the application process, all candidates must provide their Dental Personal Identifier Number (DENTPIN®). The DENTPIN® (**DENTAL** Personal Identifier Number) is a unique personal identifier for applicants and students involved with the U.S. dental education system and standardized testing programs. The DAT, ADEA AADSAS and TMDSAS, plus ADEA PASS, ADEA CAAPID, the National Board Dental Examination program, and the National Board Dental Hygiene Examination program all use the DENTPIN® for identification of students and test-takers and for the confidential, secure reporting, transmission and tracking of test results and academic data. You should obtain or retrieve a DENTPIN® from www.ADA.org before proceeding with your application.

You may submit an electronic application at www.ADA.org using a credit card. Alternatively, you may request a paper application by submitting a written request via fax (312.587.4105) or nbexams@ada.org. If you submit a paper application you must pay by money order payable to the American Dental Association. Paper applications must be submitted via U.S. mail. Incomplete or incorrect applications will not be processed.

If your application and fee are acceptable and you meet the eligibility requirements for testing, your application will be processed. Upon completion of your application processing, Pearson VUE will receive notification of your eligibility for testing and you will receive instructions by e-

mail (or letter if no e-mail address is on file) to call the Pearson VUE Contact Center. Please wait 24 hours after receipt of this e-mail before attempting to schedule a testing appointment to allow adequate time for Pearson VUE to receive the eligibility file.

You may submit an application no more than six (6) months before your desired testing date. If your application does not meet the eligibility requirements, it will not be processed. You are eligible for only a six (6) month period. If you do not call, register, and take the NBDHE during this period, you will have to resubmit an application and fee in order to take the examination later. **The eligibility period will not be extended.**

All information requested on the application must be complete and accurate. The certificate for passing candidates is prepared according to the name provided on the application. To avoid complications in qualifying for licensure, you must enter your name as it appears on your government issued ID.

The name on your IDs must match exactly the name on your NBDHE application. If your IDs do not match your application exactly, you will be denied admission to testing, you will be recorded as a no-show appointment, and forfeit your application fee. You will be required to submit a new application and fee.

Changes and corrections to your application (name, birth date, etc.) must be completed prior to your testing appointment. You are responsible for identifying any corrections or omissions and must notify the JCNDE in writing via fax (312.587.4105) or nbexams@ada.org. If you modify your address, e-mail address, etc. in the DENTPIN[®] system, your testing application or score report request is not automatically updated; please submit your request for updates to nbexams@ada.org or fax (312.587.4105).

Several times during the application and testing process, you will be required to identify yourself. You are required to identify yourself accurately by name and DENTPIN[®]. Other components of personal identification, such as postal address, year of birth, etc., must be provided accurately. If it is determined that you deliberately provided a false name or a false DENTPIN or personal data on the DENTPIN application or test application, or at the test center, your results will be voided, your dental hygiene program will be notified, and you may have to wait two years before reexamination.

Privacy and Security

The JCNDE is concerned with maintaining the privacy and security for all personal information of test-takers. We take the responsibility for protecting your personal information very seriously and use industry standard methods to secure and protect your confidential information.

The JCNDE collects and retains personal information only to the extent necessary to serve your needs, and administer the NBDHE; fulfill NBDHE program responsibilities, including maintaining the integrity of the test and detecting and preventing unlawful activity; and to fulfill legal requirements. NBDHE results are retained indefinitely, along with testing records and necessary personal data.

NBDHE results are released and/or reported to state dental boards, education programs or other entities only on your written authorization or designation by electronic means through the electronic application or score report request form. Results will not be reported to you or others by telephone, in person, or by other informal means.

The ADA provides technical support to the JCNDE and uses data security procedures to protect the integrity of personal and test information at all times. Security safeguards include administrative, technical and physical safeguards over data and data processing systems. For information on our policy relating to your use of the ADA.org Web site, please refer to the *Privacy Policy* available on www.ADA.org.

By registering for the examination, you consent to the collection, processing, use and transmission of your personal information for purposes related to the NBDHE program as outlined in this *Guide*.

Schedule a Testing Appointment

When you receive an e-mail (or letter if no e-mail address is provided) notifying you of your eligibility to test, you should visit www.pearsonvue.com/nbdhe/ or call the Pearson VUE Contact Center at 888.456.2830 to schedule a testing appointment. You will determine the day, time, and place for testing. The JCNDE processes NBDHE applications Monday through Friday during normal business hours. Please wait 24 hours after receipt of your eligibility e-mail before attempting to schedule a testing appointment to allow adequate time for Pearson VUE to receive your eligibility file.

Confirm a Testing Appointment

You can confirm your testing appointment by visiting www.pearsonvue.com/nbdhe/ or calling Pearson VUE at 888.456.2830. If you discover a scheduling discrepancy, you must resolve it through Pearson VUE immediately.

Print the confirmation page for your records and confirm your appointment well in advance of the one business day requirement (24 hours) for canceling or rescheduling appointments.

Cancel or Reschedule Testing Appointment

Pearson VUE requires notification at least one business day (24 hours) prior to the scheduled testing appointment to cancel or reschedule a testing appointment. You may cancel or reschedule electronically at www.pearsonvue.com/nbdhe/. If you no-show or cancel less than one business day (24 hours) prior the scheduled testing date, you will forfeit your scheduled testing appointment, and your application fee. You will be required to resubmit an application and fee to the JCNDE to reschedule. A local test center cannot schedule, reschedule, or cancel your appointment. Rescheduling your testing appointment will result in a rescheduling fee payable to Pearson VUE.

Taking the Examination at a Pearson VUE Center

You should report to the testing center at least 30 minutes prior to your scheduled appointment. If you experience problems with testing conditions, you must notify the test administrator immediately; do not proceed with testing unless the problem is resolved. Unresolved concerns must be submitted via fax (312.587.4105) **within five business days** of your testing appointment to the JCNDE; Attention: Coordinator, Client Support Services.

EXAMINATION PROCEDURES AND REGULATIONS

Rules of Conduct

The JCNDE has established rules that govern the administration of the National Board Examinations to ensure that no candidate or group of candidates receives unfair advantage on the examination. Examination Regulations are intended to preserve the integrity of the examination process by providing standard test administration conditions that yield valid and reliable results. Accessing examination content prior to testing, breaching the confidentiality of the examination content, or any attempt to subvert the examination process violates the purpose and principles of the examination. Conduct before, during or after testing that violates these principles, or Examination Rules and Regulations may result in invalidation of examination results and/or other penalties.

You must be truthful in completing the application and must abide by all instructions (oral or written) regarding the conduct of the examination. Failure to comply with the Examination Regulations and Rules of Conduct may result in a determination of an irregularity and your examination results may be considered invalid. You may also be directed to leave the test center before you have completed the examination. If your results are considered invalid as a result of an irregularity, you may be prohibited from testing for up to two years or you may face civil or criminal prosecution. By applying for the NBDHE, you agree to abide by the following Rules of Conduct:

1. You are the person who has registered for the examination for the purpose of gaining National Board certification and presented for testing with valid identification. You may not take the examination for someone else. You may not take the examination to practice or to obtain an advance review of the content.
2. You will not give, receive, or obtain any form of unauthorized assistance prior to or during the examination or break periods. By way of example, you will not use or share unreleased examination content.
3. You will maintain the confidentiality of the examination. You will not reproduce or attempt to reproduce examination materials through memorization, recording, or other means. You will not provide information relating to examination content that may provide unfair advantage to other candidates. By way of example, you will not make use of or participate in the electronic posting of information regarding examination content or answers.
4. You will not bring any unauthorized materials, as described in the Examination

Regulations below, to the test center or into the testing area.

5. You will not remove materials in any form (written, printed, recorded, remembered, or other) from the test center.
6. You will comply with test center policies and procedures and follow the instructions of the test administrator. You will not create a disturbance in the test center.
7. You will not tamper with the testing materials and/or testing facilities.
8. You will comply fully with any investigations of irregular behavior. You agree to have your test analyzed to detect aberrancies.

You cannot disclose (in whole or in part) any examination questions or answers to anyone during or after the examination, whether orally, in writing, on Internet chat rooms or blogs, or otherwise. The NBDHE is a secure examination, protected by U.S. copyright laws. Any unauthorized disclosure of the examination's contents could result in civil liability, criminal penalties, voiding of examination results or other appropriate penalty. You are encouraged to report any Internet or other activities that disclose information about examination questions, so that the JCNDE may investigate and take any necessary action. Report such activity to the JCNDE at nbexams@ada.org or 800.232.1694.

Test Center Procedures

You are responsible for being present at the test center at least 30 minutes prior to your scheduled appointment time. If you report late you may not be allowed to take the examination, depending on the time of arrival and schedule of testing appointments. Pearson VUE Test Center administrators will determine whether there is sufficient time and space to administer the examination. If you arrive late and cannot be seated, you will forfeit the examination fee and must resubmit an application and fee.

In cases of inclement weather, natural disaster or other local conditions that may cause unavoidable interruptions to testing, Pearson VUE will make reasonable efforts to notify you and reschedule your testing appointment.

Prior to testing, you should review all information regarding the examination including the Test Center Regulations. You are expected to understand and comply with Test Center Procedures. You are encouraged to review information related to testing at www.pearsonvue.com/nbdhe/ and at www.ADA.org.

1. When you arrive at the Pearson VUE Test Center to take the examination, two (primary and secondary) original, current forms of identification (ID) will be requested and must be presented. One ID must be government issued, bearing a photograph and a signature. Examples of acceptable primary IDs (bearing a photograph and signature) are a driver's license or a passport. *There must be at least one ID that has both picture and a signature.* Examples of secondary IDs (require only a signature) are a debit card, library card, credit card, etc.

The name on your IDs must match exactly with the name on your NBDHE application. Review the *Testing Checklist* at www.ADA.org for specific examples of acceptable and unacceptable name matches.

If your IDs do not match exactly the name on your application, you will be denied admission to testing, forfeit your scheduled testing appointment, and application fee.

Address or name changes must be submitted in writing via nbexams@ada.org or fax (312.587.4105) at least two weeks prior to testing. If you have any questions concerning types of acceptable identification, please call the JCNDE at 800.232.1694.

2. The Pearson VUE Test Center will electronically capture the identity of all examinees including a palm vein print and a photograph before proceeding with testing. Electronic capture of the biometric data allows for easier and quicker return to the testing facility after breaks.
3. You will have an opportunity to become familiar with the working of the computer by taking a brief tutorial before beginning the actual examination.
4. You will be observed at all times while you are taking the examination. This observation will include direct observation by test center staff as well as video recording of your examination session. Test center staff may not necessarily inform you of their observations, but they are required to report behavior that may violate the Rules of Conduct, the Examination Rules, or other forms of irregular behavior.
5. Test center staff are not authorized to answer questions from candidates regarding examination content, examination software, or scoring.
6. Cellular telephones are not allowed anywhere in the test center, and may not be used on an unscheduled break. Eating and drinking are not permitted in the secure testing area. **Personal belongings are not allowed in the secure testing area.**
7. The test administrator and proctors are responsible for the operation of the facility, maintaining order and administering the examinations according to established procedures. The test center administrator is authorized to dismiss a candidate from a testing session for violating the Rules of Conduct and/or the Examination Regulations.
8. If you experience problems with testing conditions, you should notify the test administrator immediately: do not proceed with testing unless the problem is resolved. Unresolved concerns should be submitted in writing via fax (312.587.4105) **within five business days** of your testing appointment to the JCNDE office: Attention: Coordinator, Client Support Services.

Examination Regulations and Prohibited Conduct

You must comply with the Examination Regulations, the Rules of Conduct, and the Test Center

Procedures, which are intended to preserve the integrity of the examination process by providing standard test administration conditions that yield valid and reliable results.

1. No personal or miscellaneous items are permitted in the secure testing area. Any personal belongings brought to the test center must be stored in a designated locker. Storage facilities are limited. Upon reasonable suspicion, your personal belongings may be inspected. Notes or any materials accessed during testing or unscheduled breaks that appear to contain examination content may be confiscated.
2. Items that are prohibited from the secure testing area include, but are not limited to, the following:
 - a. Books, notes, study materials, scratch paper, tissues, personal ear plugs, or markers not furnished by the testing center
 - b. Dental instruments, models or materials
 - c. Slide rules, paper, calculating devices, rulers, or other measuring devices
 - d. Electronic devices, such as cell phones, recording devices, iPods, radios/stereos with headsets/headphones
 - e. Tote bags, purses, wallets, backpacks, briefcases
 - f. Highlighters, pens, erasers, mechanical pencils
 - g. Dictionaries and translators
 - h. Food, candy, gum, water, or other beverages
 - i. Outerwear, such as coats, jackets, gloves, or head coverings (except for religious or cultural purposes)
 - j. Good luck charms or statues, or religious or superstitious talismans
 - k. Medicinal items (except as approved in advance under testing accommodations)
 - l. Watches (digital or analog) or timing devices (a clock is provided on the computer screen)
 - m. Magnifying devices
3. You should not engage in conversation with others during testing or while on an unscheduled break. Use of a telephone on an unscheduled break is prohibited.
4. Test center administrators will report the activity of candidates who take **unscheduled** breaks. You may not study or refer to notes or texts while on an **unscheduled** break. You may not access personal belongings or prohibited items (listed in #2 above) during **unscheduled** breaks and **may not** leave the test center during an unscheduled break.
5. You will be provided with a note board, and a low-odor fine tip marker to be used during the examination. Scratch paper, pencils, or markers not furnished by the testing center are not permitted. The note board cannot be folded, bent, or distorted in any manner. You will not use the marker on any surface other than the note board. You may not touch the computer monitor during testing. All items must be returned to the test administrator before leaving the Pearson VUE Test Center.
6. Although the examination is administered under strict supervision and security, examination irregularities may sometimes occur. On rare occasions, examination results may be voided or other appropriate penalty imposed based upon a breach of

examination security, aberrant results, invalid examination conditions, or violation of Examination Regulations or Test Center Procedures or Rules of Conduct. You are responsible for protecting the confidentiality of examination questions and your answers. If cheating is detected during the examination, or evidence of irregular behavior is disclosed when the examination is scored, or later, those involved will have their examination results voided or suffer another appropriate penalty.

Failure to comply with Examination Regulations, Rules of Conduct, and/or Test Center Procedures may result in a determination of an irregularity and your examination results may be withheld, cancelled, and/or considered invalid. You may also be directed to leave the test center before you have completed the examination. If your results are withheld or invalidated as the result of an irregularity, you may be prohibited from testing for up to two years.

TESTING IRREGULARITIES AND MISCONDUCT

The JCNDE strives to report results that accurately reflect the skill and performance of each candidate. The standards and procedures for administering each examination are intended to give each candidate a comparable opportunity to demonstrate their abilities, and to prevent a candidate from gaining an unfair advantage over others.

The JCNDE reserves the right to cancel or withhold any results, or to impose another appropriate penalty, when, in its judgment, there is a good-faith basis to question the validity of the results for any reason. Cause for withholding, voiding or invalidation of results or the imposition of other appropriate penalties results may include, but is not limited to:

- Unusual answer patterns
- Atypical score increases from one examination to another
- Inconsistent performance on different parts of the examination
- Improper access to secure examination content
- A test administration irregularity
- A discrepancy in, or falsification of, a candidate's identification
- Information indicating that a candidate has engaged in misconduct or violation of the rules and regulations
- Falsification of the candidate's score report
- Any other information indicating the results may not be valid
- Falsification of the application or supportive documents.

When the JCNDE voids results that have already been reported, the state board will be notified that the candidate's results have been voided. The reason for voiding is usually not reported unless an application or score report contains false information.

The JCNDE reserves the right to pursue any other appropriate remedies, including legal prosecution of anyone whose conduct unlawfully undermines the security of the NBDHE or the integrity of the process.

Irregularities and Appeals

An irregularity is defined as a situation in which there may be a question about the validity of examination results with respect to whether they accurately represent the ability of a candidate. Evidence of an irregularity may be in the form of a report from a test administrator. Potential reasons for failure to measure the ability of a candidate may include, but not be limited to, communication between or among candidates, inappropriate or unauthorized access to examination content that may have been compromised or that has not been officially released for use as a study aid, unauthorized assistance, conduct expressly prohibited by Examination Rules and Regulations, or disruptions of examination administration including natural disasters and other emergencies.

When an irregularity is identified, results of the candidate or candidates involved are subject to being voided, and unreleased results will be withheld pending resolution of any appeal as described below. If the appeal is denied or no appeal is filed, the results of the candidate or candidates involved will be voided or invalidated, or other appropriate remedies imposed.

If it is determined that a candidate has engaged in irregular behavior, information regarding this determination becomes a part of the candidate's JCNDE record. At its sole discretion, the JCNDE may elect to send a summary report documenting the incident to legitimately interested parties. This would include all parties to whom the candidate has instructed scores be sent (both current and future). The candidate may submit a brief statement to be included in the summary report.

If your results are being withheld, subject to being voided, or another appropriate remedy is imposed, you will be notified by written correspondence. If you enrolled in an accredited dental hygiene school, notification is sent to the program director pursuant to policies related to the score reports. This notification to the dean does not provide the reason for or evidence upon which the withholding of results is based.

Provisions that apply when results are withheld, subject to being voided, or another appropriate penalty is imposed are contained in the JCNDE *Examination Regulations*. A copy of the *Limited Right of Appeal for Examination Candidates* is provided to the candidate or candidates whose results are being withheld and/or subject to being voided, as well as specific information regarding the appeal process.

In accordance with its rules, the JCNDE may consider an appeal. An appeal must be submitted in writing and must include adequate documentation. A candidate's appeal may include documentation that he/she believes supports his/her appeal. The appeal should also indicate the specific relief requested.

Appeals pertaining to examination irregularities must be initiated within 30 days after official notification of the irregularity. If a candidate's appeal is initiated within this 30-day period, submission of an appeal will stay the decision to void or invalidate the results until such time as the appeal is decided. The candidate will be notified of the JCNDE's action within 60 days after receipt of the appeal.

If the JCNDE grants a candidate an opportunity to retest as a result of an appeal, the candidate

must submit an application to retest within 30 days of receipt of the JCNDE's decision. Upon processing of the application, the candidate will remain eligible to test for 90 days following the granting of the appeal and must retest before the eligibility expires, unless specified otherwise by the JCNDE.

When considering an appeal, the JCNDE will strive to ensure that the candidates have an opportunity to gain National Board certification equal to, but not greater than, the opportunity provided to other candidates.

Candidates should be aware that the JCNDE considers irregularities other than natural disasters and emergencies beyond the control of the candidate to be a serious breach of the examination process.

The JCNDE handles irregularities in a confidential manner and does not voluntarily share details regarding irregularities. However, candidates should be aware that reports of irregularities may have consequences beyond the withholding or voiding of results or the imposition of other appropriate penalties, if information regarding the irregularities is brought to the attention of school authorities or regulatory agencies by other sources.

Candidates can report suspicious activity or observations of violations of *Examination Regulations* to the JCNDE at 800.232.1694 or nbexams@ada.org.

Arbitration Requirement

Arbitration has become an increasingly common way to resolve legal differences. The advantages of arbitration over traditional lawsuits are that, generally, arbitration is less expensive and issues are resolved in less time. If a candidate wishes to pursue a dispute that has not been resolved by the appeal process mentioned above and detailed in the *Limited Right of Appeal for Examination Candidates*, the candidate must use the procedure described in the following Agreement to Arbitrate.

AGREEMENT TO ARBITRATE

1) In the event that any legal dispute arises between you and the Joint Commission on National Dental Examinations of the American Dental Association in connection with your participation in the National Board Dental Hygiene Examination where that dispute is not resolved by the appeals process detailed in the *Guide* and elsewhere, you agree that the exclusive means for resolving the dispute shall be Binding Arbitration as described by the terms of this Agreement. This means that you waive the rights you may have to resolve the dispute in a court of law, or by any other means that might otherwise be available to you.

2) The American Dental Association ("ADA") agrees to be similarly bound except that the ADA reserves its full rights to pursue injunctive and other appropriate relief in any state or federal court in cases of unfair competition or violations of, or threats to violate, any intellectual property rights of the ADA. With respect to any action filed by the ADA pursuant to this paragraph 2, you consent to submit to the jurisdiction of the state or federal court in which the ADA seeks relief.

3) Arbitration proceedings initiated pursuant to this Agreement to Arbitrate shall be conducted in accordance with the then current rules of the American Arbitration Association. The Arbitration and any

proceedings relating to it shall be held in Chicago, Illinois. The arbitrator's award shall be binding and may be entered as a judgment in any court of competent jurisdiction. Information about the American Arbitration Association, its rules, and its forms are available from the American Arbitration Association, 335 Madison Avenue, Floor 10, New York, New York, 10017-4605.

4) In the event of Arbitration, the parties shall bear their own costs and attorneys' fees associated with the Arbitration proceedings, unless the arbitrator directs one of the parties to pay the other's costs, or attorneys' fees, or both.

5) To the fullest extent permitted by law, no Arbitration brought pursuant to this Agreement shall be joined to any Arbitration involving any other party whether through "Class Arbitration" proceedings or otherwise.

6) This Agreement is part of the Application to take the National Board Dental Hygiene Examination. Your assent to be bound by it is a requirement for taking the examination, but you can only sit for the examination if you also fulfill all other conditions imposed by the Joint Commission on National Dental Examinations.

EXAMINATION CONTENT

Scope of the Examination

The NBDHE is a comprehensive examination consisting of 350 multiple-choice examination items.

Although performance on the examination is reported by means of one official score report, the examination has two components. The discipline-based Component A includes 200 items addressing three major areas:

- I. Scientific Basis for Dental Hygiene Practice
- II. Provision of Clinical Dental Hygiene Services
- III. Community Health/Research Principles

Please refer to the *NBDHE Test Specifications* (Appendix C) for the distribution of items in Component A. **Beginning in February 2012; the NBDHE Test Specifications will be revised to reflect the findings of a recent practice analysis.**

Component B includes 150 case-based items that refer to 12 to 15 dental hygiene patient cases; these cases present information dealing with adult and child patients by means of patient histories, dental charts, radiographs, and clinical photographs. Each examination includes at least one case regarding patients of the following types: Geriatric, Adult-Periodontal, Pediatric, Special Needs, and Medically Compromised.

The case-based items address knowledge and skills required in:

1. Assessing patient characteristics
2. Obtaining and interpreting radiographs
3. Planning and managing dental hygiene care
4. Performing periodontal procedures
5. Using preventive agents
6. Providing supportive treatment service

7. Professional responsibility

Examination items cover functions that a dental hygienist is expected to be able to perform. Only functions that may be delegated to a dental hygienist in a majority of states will be included in the examination.

Examination items are selected by test construction committees in accordance with the Dental Hygiene Examination Specifications. Examination constructors are appointed based on expertise in six areas: basic sciences, radiology, periodontics, dental hygiene curriculum, clinical dental hygiene, and community dental health.

The American Dental Association Universal/National tooth notation system is used on all National Dental and Dental Hygiene Examinations. This system is a sequential tooth numbering system, designating the permanent dentition with numbers 1-32, and the primary dentition with letters A-T.

Sample Item Formats

A multiple-choice examination item consists of a stem which poses a problem, followed by a list of possible answers. The stem of an examination item is usually either a question or an incomplete statement. For NBDHE use, an item must have at least three and not more than five possible responses. Only one of the responses is considered either correct or the best option.

Examples of Examination Item Formats

Completion: Completion-type items require the correct completion of a concept or idea.

The sensation of touch, pain, pressure, or temperature is determined by the

- A. specific nerve fiber stimulated.
- B. method of stimulation of a nerve fiber.
- C. degree of myelination of a nerve fiber.
- D. strength of the stimulation to a nerve fiber.
- E. frequency of the stimulation to a nerve fiber.

Question: Question-type items communicate a problem or set of circumstances.

The phrenic nerve innervates which of the following?

- A. Diaphragm
- B. Abdominal muscles
- C. Sternocleidomastoid muscle
- D. Internal intercostal muscles
- E. External intercostal muscles

Negative: A negative item is characterized by a word such as EXCEPT or NOT in the stem. These key words are capitalized and/or italicized to help candidates.

Each of the following is affected by saliva EXCEPT one. Which one is the EXCEPTION?

- A. Swallowing
- B. Dental caries
- C. Oral microflora
- D. Protein digestion
- E. Carbohydrate breakdown

Paired True-False: The only portion of a paired true-false examination item that varies is the stem. The stem consists of two sentences on the same topic.

Protection from excessive exposure to radiation is aided by use of aluminum filters and a lead diaphragm.

The filters reduce the amount of soft radiation reaching the patient's face and the diaphragm controls the area exposed.

- A. Both statements are true.
- B. Both statements are false.
- C. The first statement is true, the second is false.
- D. The first statement is false, the second is true.

Cause-and-Effect: The only portion of a cause-and-effect examination item that varies is the stem. The stem consists of a statement and a reason. These are written as a single sentence and are connected by because.

A traumatic injury can cause the pulp space to calcify, because the accident can trigger odontoclasts into accelerated activity.

- A. Both the statement and reason are correct and related.
- B. Both the statement and reason are correct but NOT related.
- C. The statement is correct, but the reason is NOT.
- D. The statement is NOT correct, but the reason is correct.
- E. NEITHER the statement NOR the reason is correct.

Testlet: A testlet consists of a case study or problem with a set of associated test items. The testlet format is used for items related to the Community Health/Research Principles section of the *Dental Hygiene Test Specifications* and in the case-based section of the examination.

Sample Dental Hygiene Testlet on Community Health/ Research Principles

A dental hygienist employed at a public health clinic in a rural county of the United States is assigned the project of developing a preventive dental health program for a sub-group of the population.

COMMUNITY PROFILE: The primary employers in this county have been coal mining companies. The unemployment rate in the county has increased by 32 percent since the closing of the coal mine companies.

The median age of the population is forty-six. In the county there are five general dentists, three dental hygienists, and one public health-centered dental clinic. The clinic employs a full-time dentist and dental hygienist. The public health clinic sees low-income children and senior citizens on a sliding fee schedule.

The dental hygienist employed by the public health clinic conducts the dental screenings for the kindergarten students each year. The mean deft scores for the kindergarten students for the last three years are: $d = 1.02$, $e = 0.87$, $f = 4.22$.

The community does not have water fluoridation because of multiple water sources. The state funds a 0.2%-sodium fluoride rinse program in grades K-5. The state mandates that a dentist or a dental hygienist perform deft/dmft/DMFT and GI indices on all students in grades 1, 2, 3, 5, 7, and 10. On a yearly basis, all pathology is brought to the parent's attention and referred to a dental professional.

1. Which population group is dentally underserved in this community?
 - A. Adult age
 - B. Geriatric age
 - C. Adolescent age
 - D. Early childhood age
 - E. Elementary school age

2. What would be the next step for the dental hygienist to take in program planning after selecting the target population?
 - A. Appraise the program.
 - B. Define goals for the program.
 - C. Compile data on the target group population.
 - D. Develop educational components.
 - E. Identify manpower resources in the community.

3. Each of the following is perceived as a barrier to dental care for this community EXCEPT one. Which one is the EXCEPTION?
 - A. Geographic isolation
 - B. Lack of water fluoridation
 - C. Maldistribution of providers
 - D. Lack of affordable services
 - E. Loss of income and insurance

4. What can be stated about the deft scores of the kindergarten students?
 - A. Early exfoliation
 - B. High decay rate
 - C. Increased referrals
 - D. Late eruption pattern

E. Treatment needs are being met.

5. How often should the fluoride rinse for grades K-5 be performed?

- A. Daily
- B. Weekly
- C. Monthly
- D. Three times a week
- E. Based on the caries rate of the child

New Item Formats

Three new item types are being introduced on the NBDHE beginning in 2012. The new item types are multiple correct/multiple response, extended matching, and ordering. For NBDHE, a couple of new items in the new format will be introduced solely in the testlet sections of the examination.

Since these items are considered pretest items they will not be scored. However, they will be evaluated for their statistical performance and will not have an impact on candidate's results or pass/fail status.

An example of each of the three new item types is given below.

Matching

The matching item format is a variation of the multiple choice item. A list of words or statements and a number of responses are listed with the intent of matching the correct word or statement with the correct response. This item type lends itself to recognizing or understanding a series or list of symptoms linked with disease choices, terms with definitions, drugs with side effects, etc.

For each numbered symptom listed below, select the most closely linked disorder from the list provided.

Symptom	Disorder
___ 1. White patches easily removed with light abrasion	A. Squamous cell carcinoma
___ 2. Buccal lesion with erythematous surface	B. Candidosis
___ 3. Dorsal tongue carcinoma	C. Syphilis
___ 4. Paterson-Kelly Syndrome	D. Iron deficiency
___ 5. Abdominal pain, diarrhea, weight loss, fever	E. Crohn's disease
___ 6. Multiple bluish-purple macules or plaques on lower extremities	F. Sjögren syndrome
___ 7. Hairy tongue	G. Kaposi sarcoma
	H. Paget's disease
	I. Hypothyroidism
	J. Septicemia

Ordering

The ordering format requires ranking or sequencing the steps, processes, or procedures presented in the test item.

Order the act of chewing and swallowing. Match each letter with its proper sequence number.

1. ____ A. Bolus moves from fauces to esophagus
2. ____ B. Bolus contacts incisors
3. ____ C. Bolus moves from mouth to fauces
4. ____ D. Mouth, lips, tongue estimate size of bolus
5. ____ E. Bolus moves from esophagus to stomach
6. ____ F. Orofacial receptors stimulated to control mastication

Multiple Correct/ Multiple Response

The multiple response format is appropriate for determining what characteristics are associated with a particular disease, drug, treatment plan, etc. (i.e. symptoms of a disease, side effects of a drug, steps of a treatment plan).

From the following list select the three items associated with candidiasis.

- A. Small blisters
- B. Fungal in nature
- C. Dyspareunia
- D. Tinea pedis
- E. Bacterial in nature
- F. Parasitic in nature
- G. Bruxism

Examination Preparation Materials

The JCNDE recommends that candidates use textbooks and lecture notes as primary sources for study. The JCNDE does not endorse or recommend any specific texts or other teaching aids (e.g., review courses that are identified as NBDHE preparation materials). Programs identified as NBDHE review courses are not affiliated in any way with the JCNDE.

Released Examinations

The JCNDE has periodically released NBDHE items or samples of the examination in order to familiarize candidates with the examination format. Candidates are cautioned not to limit preparation for the examination to the review of released materials. Copies of released materials are available in most dental hygiene school libraries, and in the library of the American Dental Association.

The National Board Dental Hygiene 1996 Pilot Examination is available in a set of three booklets: an examination booklet, a rationale booklet, and a booklet of cases. In addition, two editions (2006 and 2009) of compiled dental hygiene released items and cases (not a complete

examination) from the years 2000 to 2008 are available. The order form with current pricing (including tax and shipping/handling) is available at www.ADA.org.

These materials are copyrighted and may not be duplicated or shared in print or electronic format without expressed written permission from the JCNDE.

Payment must be in the form of a money order payable to the American Dental Association, and be submitted with the completed order form to:

NBDHE Released Items
Joint Commission on National Dental Examinations
211 East Chicago Avenue, Suite 600, Chicago, Illinois 60611-2637

Unreleased Examination Materials

Unreleased test items comprise confidential examination material. Obtaining, using, and/or distributing unreleased test items is strictly prohibited, regardless of the method employed, i.e., whether by memorization, recording, copying, etc. Use or sharing of unreleased test items violates the Examination Regulations. Such activities may provide unfair advantage to individuals or groups of individuals and threaten the validity and credibility of the examination. Since all examinations are the copyrighted property of the JCNDE, these activities also violate Federal copyright laws.

The JCNDE investigates reports or allegations associating candidates with the generation, use, or sharing of unreleased examination materials, and will pursue formal action against anyone who violates the Examination Regulations or Federal Copyright Law.

Tutorial

A tutorial is available at www.pearsonvue/nbdhe to familiarize candidates with the mechanics of taking the NBDHE. The tutorial provides the opportunity to become familiar with the basic computer steps involved in proceeding through the examination.

Additionally, at the Pearson VUE Test Center, you will be able to become familiar with the workings of the computer by taking an optional tutorial before beginning the actual examination.

SCORE INFORMATION

Scoring

A candidate's total score is computed by the total number of correct answers selected by the candidate. The total score is then converted to a scaled score. Because the NBDHE is a criterion-referenced examination, the minimum passing score and the score scale are determined by experts through standard setting activities. Once the score scale is determined, the abilities of candidates are estimated and the score conversions are developed to translate the total score to a standard score for all editions of the examinations. Each edition represents different collections of questions. The score scale ranges from 49-99, and 75 is the minimum passing score.

Reporting and Certificates

Effective January 1, 2012, results for the NBDHE will be reported as pass/fail only for candidates who pass the test. For remediation purposes, candidates who fail the examination will receive numerical scores for each of the major disciplines covered on the test. Please note that if you tested prior to January 1, 2012, your numerical scores for prior attempts will still be reported.

The status of “pass” is reported if you achieved a standard score of 75 or higher. The status of “fail” is reported if you achieved a standard score below 75; if you fail the exam, you are required to repeat the examination.

Effective January 1, 2012, you must successfully complete the NBDHE within five years or five attempts, whichever comes first.

As part of the report of results, a small National Board Certificate is issued to each candidate who passes the NBDHE. After receiving your results you may order a full-size (8½" x 11") certificate. The certificate request form is available electronically at www.ADA.org.

Reporting

Results are mailed approximately three to four weeks after the testing appointment. The JCNDE regulations prohibit reporting results by telephone, facsimile, e-mail, or in person.

By signing the application, candidates enrolled in an accredited dental hygiene program (or graduated within the last five years) give permission to provide a score report to the dental hygiene program director. Score reports are provided to others only if permission is granted in the form of a written request from the candidate.

If misconduct has occurred in a past administration, your score report may contain information concerning the incident (see the Testing Irregularities and Misconduct section of this Guide).

The examination fee covers a score report for you and the dental hygiene program director. The examination fee also includes score reports to three dental licensing boards, provided that requests to send such reports are included on the application. Regional boards and clinical testing agencies make no use of NBDHE results; score reports should be sent directly to the dental licensing board of the state, district, or dependency.

Address changes must be received in writing via U.S. mail or fax (312.587.4105) prior to your testing appointment or the candidate will be required to complete an additional score report request. If you request score reports after the time of application, you should note any name change in the request. If a change in NBDHE records is desired, a copy of the legal documentation or marriage certificate must be provided.

If your address changes after you submit your application and before your results are reported, you must update your DENTPIN record **and** notify the Joint Commission in writing at nbexams@ada.org or fax (312.587.4105). If you modify your address, e-mail address, etc. in

the DENTPIN® system, your testing application or score report request is not automatically updated; please submit your request for updates to nbexams@ada.org or fax (312.587.4105).

You may also request on the application that score reports be sent to more than three licensing boards. If you do not select three state boards at the time of application, the standard fee will be assessed for additional reports requested later. The fee for each state board in excess of three is \$30 per copy. Please retain a list of the state(s) chosen to receive your results.

After receiving results, you may request that additional reports be sent directly to dental licensing boards. You may submit your score report request electronically and pay by credit card, or print a request form to submit by mail. For mail-in forms, all fees are payable by certified check or money order to the American Dental Association. For mail-in requests, all fees are payable by money order to the American Dental Association. No personal checks or cash will be accepted.

A score report request form is available at www.ADA.org. All requests for score reports must be submitted using the score report request form. The score report fee of \$30 applies to each report requested. Score report request forms must be accompanied by payment of the appropriate fee. **Processing of additional requests requires approximately three weeks. Fees are non-refundable and non-transferable.**

You should confirm the accuracy of your score report request. Once you have submitted your application, changes to the state boards listed to receive score reports on your application to test must be submitted in writing via fax (312.587.4105) to the JCNDE office prior to your testing appointment.

The score report fee of \$30 applies to each report in excess of three requested on the application and to each report requested after the application is submitted. In addition, the JCNDE will provide a history of NBDHE results (recent and previous results) to state boards dentistry.

Results Audits

As a routine part of the overall validation process on scoring, the responses from the NBDHE are audited for accuracy before results reports are distributed. However, you may make a written request via a PDF form available at www.ADA.org, to have your examination responses audited, or re-checked for scoring accuracy. There is a charge of \$65 for examination audits. The results audit fee is payable to the American Dental Association in the form of a money order.

Audits require approximately four to six weeks to complete and must be requested within 30 days of the reporting date on the official report of results.

APPENDIX A APPLICATION INSTRUCTIONS

The following information may be helpful for completing the electronic or paper application. If you have any questions regarding the application process, please contact the JCNDE at 800.232.1694.

The electronic application is available at www.ADA.org.

To complete the computer-read, Scantron paper application, use a dark (No. 2) pencil; do not use ink. Enter one number, letter, slash, or dash per box. Leave a blank box or space when appropriate; blanks have no circles to fill in. After filling in the boxes, blacken the matching circles under the boxes. Correct any errors by completely erasing the errors and/or any stray marks. The information that you provide on the application will be used exactly as provided for all data processing and mailing functions. To avoid errors, please complete the entire application and proofread carefully.

Name

Enter your name in the space provided, last name, first name, and middle name. In addition to letters, dashes and blank spaces can be used if appropriate. If your name has more letters than spaces available, enter only as many letters as there are spaces provided. Submit a name change request in writing via fax (312.587.4105).

Testing History

Indicate whether you have previously taken the NBDHE. If yes, please enter the former name used, if different from your last name at that time.

Date of Birth

Indicate the month, day, and year of your birth.

DENTPIN®

As part of the application process, all candidates must provide their Dental Personal Identifier Number (DENTPIN®). The DENTPIN® (**DENTAL** Personal Identifier **Number**) is a unique personal identifier for applicants and students involved with the U.S. dental education system and standardized testing programs. The DAT, ADEA AADSAS and TMDASAS, plus ADEA PASS, ADEA CAAPID, the National Board Dental Examination programs and the National Board Dental Hygiene Examination program all use the DENTPIN® for identification of students and test-takers and for the confidential, secure reporting, transmission and tracking of test results and academic data. You should obtain or retrieve a DENTPIN® from www.ADA.org before proceeding with your application.

Educational Background

In order to take the NBDHE, you must fulfill the eligibility requirements and provide the appropriate documentation, if necessary. Please refer to Eligibility Requirements. If you do not meet the eligibility requirements, your application will not be processed.

If you are a dental hygiene graduate or dental hygiene student from an accredited program, enter the name of the program that you attended or attend in the box (Appendix A).

If you are not a dental hygiene graduate or dental hygiene student from an accredited program, please indicate your eligibility status by filling in the appropriate code number in the space for the dental hygiene school code, and providing the appropriate documentation with your application.

- 001** Dentist
- 002** Dental Student
- 003** Dental Hygienist (graduate of a non-accredited dental hygiene program)

Date of Graduation

Enter the month and year of your anticipated graduation.

Testing Accommodations

If you are requesting testing accommodations, check the yes box and refer to the testing accommodation information in the *Guide*.

Licensing Jurisdictions to Receive Official Reports of your Results

Indicate the licensing jurisdictions you wish to receive a copy of your examination results. You may request up to three at the time of application without additional fees.

Changes to your selections must be received in the JCNDE office via facsimile at 312.587.4105 prior to your testing appointment. Please retain a copy of your selections.

Permanent Mailing Address

Enter the address to which your results should be mailed. If you have an apartment number, please include it. Enter the name of the city. If your mailing address is in the United States or Canada, enter the appropriate two letter U.S. state, U.S. territory, or Canadian Province abbreviation. If your address is outside the USA or Canada, leave blank. If appropriate, enter your Canadian postal code or the U.S. zip code. Other candidates leave blank. Indicate the country. If other, enter the name of the country in the space provided. Also, for other countries, provide any other mailing information that may be necessary. If you modify your address, e-mail address, etc. in the DENTPIN[®] system, your testing application or score report request is not automatically updated; please submit your request for updates to nbexams@ada.org or fax (312.587.4105).

Phone Number and E-mail Address.

Enter your daytime phone number and e-mail address.

Fee

The fee for the NBDHE is \$380. If you are requesting that your results be sent to more than three licensing jurisdictions, please multiply the number of additional score reports by \$30 and enter the amount. (The electronic application will calculate this for you.) Send a money order (paper application) payable to the American Dental Association for the total amount with your application and any required documentation.

Program Director Certification

For dental hygiene students in an accredited program, the application must be approved by the program director (or designee), certifying that the student is prepared in all disciplines on the examination. If you are a dental hygiene graduate, dental student, or dentist, please refer to the Eligibility Requirements.

Candidate Signature

Please read the statement at the end of your application. Please sign your name and date. Your signature is required. The electronic application will request you check the boxes.

Do not fold the paper application; do not staple the fee, documents, etc. to the paper application. Only money orders payable to the American Dental Association in U.S. currency are acceptable.

APPENDIX B – DENTAL HYGIENE PROGRAM ATTENDED

Alabama
Tri-State Business Institute - AL
University of Alabama
Wallace State Community College
Alaska
University of Alaska Community and Technical College Anchorage
University of Alaska Community and Technical College Fairbanks
Arizona
Carrington College - Mesa
Mesa Community College
Mohave Community College
Northern Arizona University
Phoenix College
Pima Community College District
Rio Salado College
Arkansas
University of Arkansas – Little Rock
University of Arkansas at Fort Smith
California
Cabrillo College
Carrington College, Sacramento
Carrington College, San Jose
Cerritos College
Chabot College
Concorde Career College – San Bernardino
Concorde Career College – Garden Grove
Cypress College
Diablo Valley College
Foothill Community College
Fresno City College
Herman Ostrow School of Dentistry of USC
Institute of Medical Education
Loma Linda University
Oxnard College
Moreno Valley College
Pasadena City College
Sacramento City College
San Diego College (closed)
San Joaquin Valley College
Santa Rosa Junior College
Shasta College
Silicon Valley College

Southwestern College
Taft College
University of California, Los Angeles
University of California, San Francisco
University of the Pacific - Stockton
West Coast University
West Los Angeles College
Colorado
Colorado Northwestern Community College
Community College of Denver
Pueblo Community College
University of Colorado
Connecticut
Lincoln College of New England (Briarwood College)
Tunxis Community-Technical College
University of Bridgeport Fones School of Dental Hygiene
University of New Haven
Delaware
Delaware Technical & Community College
District of Columbia
Georgetown University (closed)
Howard University
Florida
Brevard Community College
Broward Community College
Daytona State College
Edison State College
Florida Community College
Gulf Coast Community College
Hillsborough Community College
Indian River State College
Miami-Dade Community College
Palm Beach State College
Pasco-Hernando Community College
Pensacola Junior College
Sanford Brown Institute - Jacksonville, FL
Sanford Brown Institute - Ft. Lauderdale, FL
Sanford Brown Institute - Orlando, FL
Santa Fe Community College
South Florida Community College
St. Petersburg College
State College of Florida, Manatee

Tallahassee Community College
Valencia Community College
Georgia
Armstrong Atlantic State University
Athens Technical College
Central Georgia Technical College
Clayton College and State University of Georgia
Columbus Technical College
Darton College
Emory University (closed)
Georgia Highlands College
Georgia Perimeter College
Lanier Technical/Gainesville College
Macon State College (closed)
Medical College of Georgia - Georgia Health Science University School of Dentistry
Medix College – Georgia – Fortis College - Smyrna
Middle Georgia Technical College
Savannah Technical College
Southeastern Technical College
West Georgia Technical College
Wiregrass Georgia Technical College
Hawaii
Maui Community College
University of Hawaii
Idaho
Carrington College - Boise
College of Southern Idaho
Hopkinsville Community College (closed)
Idaho State University College of Health Professions
University of Iowa (closed)
Illinois
Carl Sandburg College
College of DuPage
College of Lake County
Illinois Central College
John A. Logan College
Kennedy-King College/University of Illinois
Lake Land College
Lewis & Clark Community College
Loyola University (closed)
Northwestern University (closed)
Parkland College

Prairie State College
Rock Valley College
Southern Illinois University (Carbondale)
William Rainey Harper College
Indiana
Indiana University - Indianapolis
Indiana University - Northwest (Gary)
Indiana University - Purdue University (Ft. Wayne)
Indiana University - South Bend
Ivy Technical Community College - Anderson Campus
Ivy Technical Community College - South Bend
University of Southern Indiana
Iowa
Des Moines Area Community College
Hawkeye Community College
Iowa Central Community College
Iowa Western Community College
Kirkwood Community College
Kansas
Flint Hills Technical College
Johnson County Community College
Manhattan Area Technical College - Manhattan, KS
Wichita State University
Kentucky
Ashland Community College (closed)
Big Sandy Community College
Bluegrass Community and Technical College (Lexington Community College)
Elizabethtown Community College (closed)
Hazard Community College (closed)
Henderson Community College
Hopkinsville Community College
Madisonville Community College (closed)
NKU/Maysville Community College (closed)
Paducah Community College (closed)
Somerset Community College (closed)
Southeast Community College (closed)
University of Louisville
Western Kentucky University
Louisiana
Louisiana State University
Loyola University (closed)
Southern University at Shreveport-Bossier City

University of Louisiana at Monroe
Maine
University of Maine at Augusta - Bangor
University of New England - Westbrook College Campus
Maryland
Allegany College of Maryland
Baltimore City Community College
Fortis College - Landover, MD
The Com College of Baltimore County
University of Maryland
Massachusetts
Bristol Community College
Cape Cod Community College
Mass College of Pharmacy and Health Sciences
Middlesex Community College
Mount Ida College
Mount Wachussett Community College
Quinsigamond Community College
Springfield Technical Community College
Michigan
Baker College of Port Huron
Baker College, Auburn Hills, MI
C S Mott Community College
Delta College
Ferris State University
Flint Community Junior College (closed)
Grand Rapids Community College
Kalamazoo Valley Community College
Kellogg Community College
Lansing Community College
Oakland Community College
University of Detroit Mercy
University of Michigan
Wayne County Community College
Minnesota
Argosy University - Twin Cities
Century College
Herzing University, Lakeland Academy Division
Lake Superior College/Duluth
Minnesota State Community and Technical College
Minnesota State University, Mankato
Normandale Community College

Rochester Community College
St. Cloud Technical College
University of Minnesota
University of Minnesota Duluth (closed)
Mississippi
Meridian Community College
Mississippi Delta Community College
Northeast Mississippi Community College
Pearl River Community College
University of Mississippi
Missouri
Concorde Career College - KC, MO
Missouri College
Missouri Southern State University
North Central Missouri College
Ozark Technical Community College
St. Louis Community College - Forest Park
St. Louis University (closed)
State Fair Community College
University of Missouri, Kansas City
Washington University (closed)
Montana
Carroll College (closed)
Montana State University, Great Falls
Nebraska
Central Community College
University of Nebraska, Lincoln
Nevada
Community College of Southern Nevada
Northwest Health Careers (closed)
Truckee Meadows Community College
New Hampshire
New Hampshire Technical Institute – Concord’s Community College
New Jersey
Bergen Community College
Burlington County College
Camden County College
Fairleigh Dickinson University (closed)
Middlesex County College
Union County Community College (closed)
University of Medicine and Dentistry of New Jersey

New Mexico
Eastern New Mexico University
New Mexico State University/ Dona Ana CC
San Juan College
Pima Medical Institute, Albuquerque
University of New Mexico Health Science Center
New York
Broome Community College
Erie Community College - N Campus
Farmingdale State University of New York
Hostos Community College
Eugenio Maria de Hostos Community College
Monroe Community College
New York City College of Technology
New York University
Onondaga Community College (closed)
Orange County Community College
SUNY Canton
North Carolina
Asheville-Buncombe Tech Community College
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Coastal Carolina Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Guilford Technical Community College
Halifax Community College
University of North Carolina
Wake Technical Community College
Wayne Community College
North Dakota
North Dakota State College of Science
Ohio
Columbus State Community College
Cuyahoga Community College
James A Rhodes State College
Lakeland Community College
Lorain County Community College
Ohio State University
Owens Community College

Shawnee State University
Sinclair Community College
Stark State College of Technology
University of Cincinnati – Blue Ash College
Youngstown State University
Oklahoma
Oral Roberts University (closed)
Rose State College
Tulsa Community College
University of Oklahoma
Oregon
Carrington College - Portland
Lane Community College
Mt. Hood Community College
Oregon Institute of Technology
Pacific University
Portland Community College
Pennsylvania
Community College of Philadelphia
Fortis Institute - Erie
Fortis Institute - Scranton
Harcum College
Harrisburg Area Community College
Luzerne County Community College
Manor College
Montgomery County Community College
Northampton Community College
Pennsylvania College of Technology
The Maurice H. Kornberg School of Dentistry, Temple University
Thomas Jefferson University (closed)
University of Pittsburgh
Westmoreland County Community College
Puerto Rico
University of Puerto Rico (closed)
Rhode Island
Community College of Rhode Island
University of Rhode Island (closed)
South Carolina
Florence Darlington Technical College
Greenville Technical College
Horry Georgetown Technical College
Midlands Technical College

Trident Technical College
York Technical College
South Dakota
University of South Dakota
Tennessee
Aquinas College (closed)
Chattanooga State Technical Community College
Concorde Career College - Memphis
East Tennessee State University
Hiwassee College - Madisonville, TN
Remington College
Roane State Community College
Tennessee State University/Meharry Medical College
University of Tennessee
Texas
Amarillo College
Austin Community College
Baylor College of Dentistry/Texas A & M University
Blinn College
Coastal Bend College
Coleman College of Health Science, Houston
Collin County Community College
Del Mar College
El Paso Community College
Fort Sam Houston College (closed)
Howard College
Lamar Institute of Technology
Lone Star College
Midwestern State University
Northeast Texas Community College
Sanford Brown Institute - Dallas, TX
Tarrant County College
Temple College
Texas State Technical College
Texas Woman's University
Tyler Junior College
University of Texas, Houston
University of Texas, San Antonio
Wharton County Junior College
Utah
Dixie State College
Fortis College - SLC, UT

Salt Lake Community College
The Utah College of Dental Hygiene
Utah Valley State College
Weber State University
Vermont
Vermont Technical College
Virginia
Northern Virginia Community College
Old Dominion University
Thomas Nelson Community College
Virginia Commonwealth University, Medical College of Virginia
Virginia Western Community College
Wytheville Community College
Washington
Bellingham Technical College
Clark College
Columbia Basin College
Eastern Washington University
Lake Washington Technical College
Pierce College
Seattle Central Community College
Shoreline Community College
Yakima Valley Community College
West Virginia
Bridgmont Community and Technical College
Southern West Virginia Community and Technical College
West Liberty University
West Virginia University
Wisconsin
Chippewa Valley Technical College
Fox Valley Technical College
Madison Area Technical College
Marquette University
Milwaukee Area Technical College
Northcentral Technical College
Northeast Wisconsin Technical College
Waukesha Community Technical College
Western Technical College
Wyoming
Laramie County Community College
Sheridan College

Canada
Algonquin College of Applied Arts & Technology - ON
Aplus Institute - ON
Cambrian College of Applied Arts & Technology
Camosun College - BC
Canadian Academy of Dental Hygiene - ON
Canadian College of Dental Health
Canadian Institute of Dental Hygiene, Inc.
Canadian Forces College (closed)
Canadian National Institute of Health - ON
Canadore College of Applied Arts & Technology - ON
Cegep De Chicoutimi - (FR) QC
Cegep De Trois Rivieres - (FR) QC
Cegep Francois-Xavier - Garneau - (FR) QC
Cegep Saint Hyacinthe - (FR) QC
College Boreal - (FR) ON
College De L'Outaouais - (FR) QC
College Edouard-Montpetit - (FR) QC
College Maisonneuve - (FR) QC
College of Applied Arts & Tech - ON
College of New Caledonia - BC
Confederation College of Applied Arts & Technology - ON
Dalhousie University - NS
Durham College - ON
Fanshawe College of Applied Arts & Technology - ON
George Brown College of Applied Arts & Technology - ON
Georgian College - ON
John Abbot College - QC
La Cite Collegiale - (FR) ON
Niagara College - ON
Ontario Dental Education Institute - ON
Oulton College - NB
Oxford College of Arts and Technology - ON
Regency Dental Hygiene Academy - ON
Seneca College
St. Clair College of Applied Arts & Technology - ON
Toronto College of Dental Hygiene and Auxillaries - ON
University of Alberta - AB
University of Fraser Valley - BC
University of Manitoba - MB
Vancouver College of Dental Hygiene - BC
Vancouver Community College - BC

Vancouver Island University - BC

Wascana – SK, Saskatchewan Institute of Applied Science & Technology
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APPENDIX C REVISED NBDHE TEST SPECIFICATIONS

The NBDHE is a comprehensive examination comprised of 350 multiple-choice test items. Although performance on the examination is reported by means of one official score report, the examination has two components. The discipline-based Component A includes 200 items addressing three major areas:

- I. Scientific Basis for Dental Hygiene Practice
- II. Provision of Clinical Dental Hygiene Services
- III. Community Health / Research Principles.

Component B includes 150 case-based items that refer to 12-15 dental hygiene patient cases. These cases present information dealing with adult and child patients by means of patient histories, dental charts, radiographs, and, at times, intra- and extra-oral photographs. Each examination includes at least one case regarding patients of the following types: Geriatric, Adult-Periodontal, Pediatric, Special Needs, and Medically Compromised. A compromised patient is one whose health status may require modification of standard treatment or special consideration.

The case-based items address knowledge and skills required in:

- 1.0. Assessing patient characteristics
- 2.0. Obtaining and interpreting radiographs
- 3.0. Planning and managing dental hygiene care
- 4.0. Performing periodontal procedures
- 5.0. Using preventive agents
- 6.0. Providing supportive treatment services
- 7.0. Professional responsibility

The distribution of items in Component A is defined by the outline on the following pages.

SCIENTIFIC BASIS FOR DENTAL HYGIENE PRACTICE [60]

- 1.0. Anatomic Sciences [16]
 - 1.1. Anatomy
 - 1.1.1. Head and neck anatomy
 - 1.1.2. Dental anatomy
 - 1.1.2.1. General anatomy
 - 1.1.2.2. Root anatomy
 - 1.2. Histology and Embryology
- 2.0. Physiology [5]
- 3.0. Biochemistry and Nutrition [6]
- 4.0. Microbiology and Immunology [10]
- 5.0. Pathology [13]
 - 5.1. General
 - 5.2. Oral
- 6.0. Pharmacology [10]

PROVISION OF CLINICAL DENTAL HYGIENE SERVICES [116]

- 1.0. Assessing Patient Characteristics [17]
 - 1.1. Medical and dental history
 - 1.2. Head and neck examination
 - 1.3. Periodontal evaluation
 - 1.4. Oral evaluation
 - 1.5. Occlusal evaluation
 - 1.6. General
- 2.0. Obtaining and Interpreting Radiographs [13]
 - 2.1. Principles of radiophysics and radiobiology
 - 2.2. Principles of radiologic health
 - 2.3. Technique
 - 2.4. Recognition of normalities and abnormalities
 - 2.5. General
- 3.0. Planning and Managing Dental Hygiene Care [34]
 - 3.1. Infection control (application)
 - 3.2. Recognition of emergency situations and provision of appropriate care
 - 3.3. Individualized patient education
 - 3.3.1. Planning of individualized Instruction
 - 3.3.2. Provision of instruction for prevention and management of oral diseases
 - 3.3.2.1. Dental caries
 - 3.3.2.2. Periodontal disease
 - 3.3.2.3. Oral conditions
 - 3.4. Anxiety and pain control
 - 3.5. Recognition and management of compromised patients
 - 3.6. Dental hygiene treatment strategies
 - 3.6.1. Diagnosis
 - 3.6.2. Treatment plan
 - 3.6.3. Case presentation
 - 3.7. General

PROVISION OF CLINICAL DENTAL HYGIENE SERVICES (continued)

- 4.0. Performing Periodontal Procedures [18]
 - 4.1. Etiology and pathogenesis of periodontal diseases
 - 4.2. Prescribed therapy
 - 4.2.1. Periodontal debridement
 - 4.2.2. Surgical support services
 - 4.2.3. Chemotherapeutic agents
 - 4.2.4. General
 - 4.3. Reassessment and maintenance, e.g. implant care
- 5.0 Using Preventive Agents [9]
 - 5.1. Fluorides - systemic and topical
 - 5.1.1. Mechanisms of action
 - 5.1.2. Toxicology
 - 5.1.3. Methods of administration
 - 5.1.3.1. Water fluoridation
 - 5.1.3.2. Self-administered
 - 5.2. Pit and fissure sealants
 - 5.2.1. Mechanisms of action
 - 5.2.2. Techniques for application
 - 5.3. Other preventive agents
- 6.0. Providing Supportive Treatment Services [7]
 - 6.1. Properties and manipulation of materials
 - 6.2. Polishing natural and restored teeth
 - 6.3. Making of impressions and preparation of study casts
 - 6.4. Other supportive services, e.g., tooth desensitization
 - 6.5. General
- 7.0 Professional Responsibility [18]
 - 7.1. Ethical principles, including informed consent
 - 7.2. Regulatory compliance
 - 7.3. Patient and professional communication
 - 7.4. General

COMMUNITY HEALTH/RESEARCH PRINCIPLES [24]

- 1.0 Promoting Health and Preventing Disease within Groups [6]
- 2.0 Participating in Community Programs [10]
 - 2.1. Assessing populations and defining objectives
 - 2.2. Designing, implementing, and evaluating programs
- 3.0 Analyzing Scientific Literature, Understanding Statistical Concepts, and Applying Research Results [8]

APPENDIX D
LICENSING JURISDICTIONS TO RECEIVE OFFICIAL SCORE REPORTS

Alabama	Nebraska
Alaska	Nevada
Arizona	New Hampshire
Arkansas	New Jersey
California	New Mexico
Colorado	New York
Connecticut	North Carolina
Delaware	North Dakota
District of Columbia	Ohio
Florida	Oklahoma
Georgia	Oregon
Hawaii	Panama Canal Zone
Idaho	Pennsylvania
Illinois	Puerto Rico
Indiana	Rhode Island
Iowa	South Carolina
Kansas	South Dakota
Kentucky	Tennessee
Louisiana	Texas
Maine	Utah
Maryland	Vermont
Massachusetts	Virgin Islands
Michigan	Virginia
Minnesota	Washington
Mississippi	West Virginia
Missouri	Wisconsin
Montana	Wyoming
CITA (Council of Interstate Testing Agencies)	