Update on the
National Board Dental and Dental Hygiene Examinations

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ADEA Annual Session
Boston, MA
March 8, 2015
Overview

- Mission of the JCNDE
- Update on JCNDE Major Activities
- Examination Volume and Performance Trends
- Q & A
“The JCNDE develops and conducts highly reliable, state of the art cognitive examinations that assist regulatory agencies in making valid decisions regarding licensure of oral health care professionals, develops and implements policy for the orderly, secure, and fair administration of its examinations, and is a leader and resource in assessment for the oral health care profession.”
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<tr>
<th>Appointing Organizations</th>
<th>Appointees</th>
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<td><strong>ADEA (3)</strong></td>
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<td></td>
<td>Marc E Levitan, DDS</td>
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<td></td>
<td>Frank W Licari, DDS, MPH, MBA</td>
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<td></td>
<td>Nader A Nadershahi, DDS, EdD, MBA</td>
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<td><strong>AADB (6)</strong></td>
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<td>MH Reggie VanderVeen, DDS, Vice Chair</td>
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<td>Dale R Chamberlain, DDS</td>
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<td>Luis J Fujimoto, DMD</td>
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<td>Conrad P McVea, III, DDS</td>
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<td>Patricia Ann Parker, DMD</td>
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<td>David W Perkins, DMD</td>
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<td><strong>ADA (3)</strong></td>
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<td>Robert A Hersh, DDS, Chair</td>
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<td>Lisa Heinrich-Null, DDS</td>
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<td>Rhett L Murray, DDS</td>
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<td><strong>ADHA (1)</strong></td>
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<td>Melissa G Efurd, RDH, EdD</td>
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<td><strong>ASDA (1)</strong></td>
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<td>Kristopher Mendoza, BS</td>
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<td><strong>Public (1)</strong></td>
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<td>Issie L Shelton-Jenkins, JD, LLM</td>
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<td><strong>Liaisons and Observers</strong></td>
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<td></td>
<td>Robert N Bitter, DMD (ADA Board Liaison)</td>
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<td>Greg P Shank, BS (ASDA Observer)</td>
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Liaisons/observers do not participate in voting
Joint Commission Examinations

- The JCNDE oversees the following examinations:
  - National Board Dental Examination Part I (NBDE Part I)
  - National Board Dental Examination Part II (NBDE Part II)
  - National Board Dental Hygiene Examination (NBDHE)
  - Integrated National Board Dental Examination (INBDE)
    - Under development and will one day replace NBDE Parts I and II.
Department of Testing Services

- Admissions testing for ADA in addition to licensure testing for JCNDE
  - Dental Admission Test
  - Advanced Dental Admission Test
- Test Development
  - Conduct 40+ test construction committee meetings
- Test Administration
  - Administer 40,000+ examinations, respond to 80,000+ phone calls/emails/faxes
- Research and Development/Psychometrics
  - Analysis and scoring of 40,000+ administrations; professional investigations and publications in support of exam programs
- Client Services and Special Projects
  - INBDE and ADAT project management, etc.
Approved actions to help support the National Board Dental Examinations (NBDE) and the National Board Dental Hygiene Examination (NBDHE):

- Permissions pertaining to released examination materials and development guides for use by dental and dental hygiene educational programs.
- Approved sales of NBDHE released materials.
- Approved a 3-year renewal of the Joint Commission’s licensing agreement with the American Student Dental Association (ASDA), concerning sales of NBDE released item content.
JCNDE Updates: NBDE/NBDH Actions

- Approved actions reaffirming the JCNDE’s commitment to the quality and validity of the National Board Dental and Dental Hygiene Examinations (NBDE and NBDHE):
  - Updated standard setting activities for the NBDE Parts I and II (*activities completed*)
  - Updated standard setting activities for the NBDHE (*scheduled*)
  - Updated practice analysis for the NBDHE (*in progress*).
  - Approved various enhancements identified for the Integrated National Board Dental Examination (INBDE) directly into the NBDE and NBDHE where appropriate.
# INBDE Development Timeline

<table>
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<tr>
<th>Year</th>
<th>Key Tasks and Activities</th>
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<td>2005</td>
<td>ADEA Commission on Change and Innovation (CCI) in Dental Education recommends changes to dental education and assessment.</td>
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<td>2006-2007</td>
<td>JCNDE monitors and considers CCI progress and recommendations.</td>
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<td>2008</td>
<td>JCNDE creates ad hoc Committee on Strategic Planning, conducts environmental scans, considers the future.</td>
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<td>2009</td>
<td>JCNDE resolves to create an integrated examination, appoints members to the ad hoc Committee for an Integrated Examination (CIE).</td>
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<td>2010</td>
<td>CIE works to lay the content foundation for the exam.</td>
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<td>2011</td>
<td>Practice analysis and science panels conducted using content foundation.</td>
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<td>2012</td>
<td>Development of general test specifications.</td>
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<td>2013</td>
<td>Solidification of many details concerning item development and approach. Resolutions to enhance communication and alignment between the Joint Commission and the CIE.</td>
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<td>2014</td>
<td>Refinement of approach. First INBDE TCCs formed. Item writing begins.</td>
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### Patient

Female, 75 years old

### Chief Complaint

“My mouth has been dry for over a month.”

### Background and/or Patient History

Oropharyngeal cancer treated by radiation.

### Current Findings

Which graph best shows the patient’s likely plaque pH response after drinking a sugary beverage?

- **A**
- **B**
- **C**
- **D**

**Control**

Answer: A
The Joint Commission will provide stakeholders and communities of interest with at least four years’ notice prior to the full implementation of the INBDE.
# NBDE Part I and Part II General Information

- **Apply to Take the NBDE**
- **Schedule a Time to Take the Examination**
- **Exam Preparation Material and Helpful Information**
- **Examination Item Development Guide**
- **NBDE Results Information and Audit Request**
News and Resources

- Case Materials
- JCNDE Actions
- Meeting Presentations
- Newsletters
- Reference Texts
- Technical Report (detailed scoring information)
- Test Construction
Figure 1. NBDE Part I Administrations (2005 - 2014)
** A new standard was introduced this year, based on updated standard setting activities.
Figure 2. NBDE Part II Administrations (2005 - 2014)
** A new standard was introduced this year, based on updated standard setting activities.
Figure 3. NBDHE Administrations (2005 - 2014)
Examination Volume

Testing volume as reported by Pearson VUE.

NBDHE Monthly Volume

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Testing volume as reported by Pearson VUE.
A new standard was introduced this year, based on updated standard setting activities.
Contact Information

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