

The DLOSCE™ and INBDE® – A Powerful Combination

Used together, the Dental Licensure Objective Structured Clinical Examination (DLOSCE) and the Integrated National Board Dental Examination (INBDE) provide dental boards with the comprehensive information that is necessary to understand whether a candidate for licensure possesses the breadth and depth of knowledge and skills that are necessary to safely practice. The table below highlights key features of these two programs.

Highlights of the Two Programs

	Integrated National Board Dental Examination	Dental Licensure Objective Structured Clinical Examination
Focus	Dental cognitive skills integrating the biomedical, behavioral, and clinical sciences.	Dental clinical judgment and skills required in direct, chair-side treatment with patients.
Board Requirement	Cognitive Skills	Clinical Skills
Test Specifications (Overview)	The Domain of Dentistry. Diagnosis and Treatment Planning (36%); Oral Health Management (42%); Practice and Profession (22%). Ten foundation knowledge areas (e.g., molecular, biochemical, cellular, and systems-level development, structure, and function; general and disease-specific pathology to assess patient risk). See website for full details: https://jcnde.ada.org/-/media/project/ada-organization/ada/jcnde/files/inbde_test_specs_july2018.pdf	Clinical Disciplines within the Domain of Dentistry. Restorative (24%); Prosthodontics (19%); Oral Pathology, Pain Management, and TMD (13%); Periodontics (10%); Oral Surgery (9%); Endodontics (8%); Orthodontics (6%); Medical Emergencies (6%); Prescriptions (5%).
Method of Measurement	Standalone multiple choice questions and case-based item sets. Questions involving patients include stimulus materials such as radiographs, dental charts, and/or clinical photographs that candidates can use for diagnostic purposes.	Hybrid Objective Structured Clinical Examination (OSCE). Candidates are presented with clinical situations and patient stimulus materials—including lifelike 3D models of teeth, radiographs, dental charts, and/or clinical photographs—that candidates can use to diagnose a patient and respond to extended multiple-choice clinical questions.
Examples of Concepts That Could be Tested	Understand dental material properties, biocompatibility, and performance, and the interaction among these in working with oral structures in health and disease; Understand mechanisms of action.	Identify one or more flaws present in a metal-ceramic restoration; Identify the final needle position (point of insertion, angulation, and depth) immediately prior to injection that will best accomplish complete local anesthesia for a given procedure; Write a prescription to manage a patient's pain.
Number of Patients Represented	300+ patients (diverse and representative).	125+ patients (diverse and representative)
Number of Questions	500 questions administered in 1 ½ days.	150 questions administered in 1 day.

	Integrated National Board Dental Examination	Dental Licensure Objective Structured Clinical Examination
Administration Modality	Computer-based at Prometric test centers located throughout the US and Canada.	Computer-based at Prometric test centers located throughout the US.
Scoring	Compensatory scoring model with pass/fail status determined based on performance on overall scale. Right/wrong scoring using Item Response Theory (IRT) 3-Parameter Logistic (3PL) Scoring Model.	Compensatory scoring model with pass/fail status determined based on performance on overall scale. Dental subject matter expert derived partial credit scoring model incorporating clinical judgment errors.
Validity Evidence	Strong content validity and convergent validity evidence. See INBDE® Technical Report.	Strong content validity and convergent validity evidence, including relationships with clinical performance in dental school. See DLOSCE™ Technical Report.
Sampling of Resources Available	Candidate Guide, Technical Report, Practice Questions, Domain of Dentistry, Foundation Knowledge Areas, Item Writing Guide, Fact Sheets for Dental Boards, Dental Faculty, and Students.	Candidate Guide; Technical Report; Validity Summary; Practice Questions; 3D Model Tutorial; Quick Facts; Recorded Webinar Presentations to Dental Boards, Dental Educators, and Dental Students.
Additional Information	www.ada.org/inbde	www.ada.org/dlosce