



## Invaluable Resource to Iowa

Influence the Direction of Dentistry in Iowa,  
the U.S., and Around the World

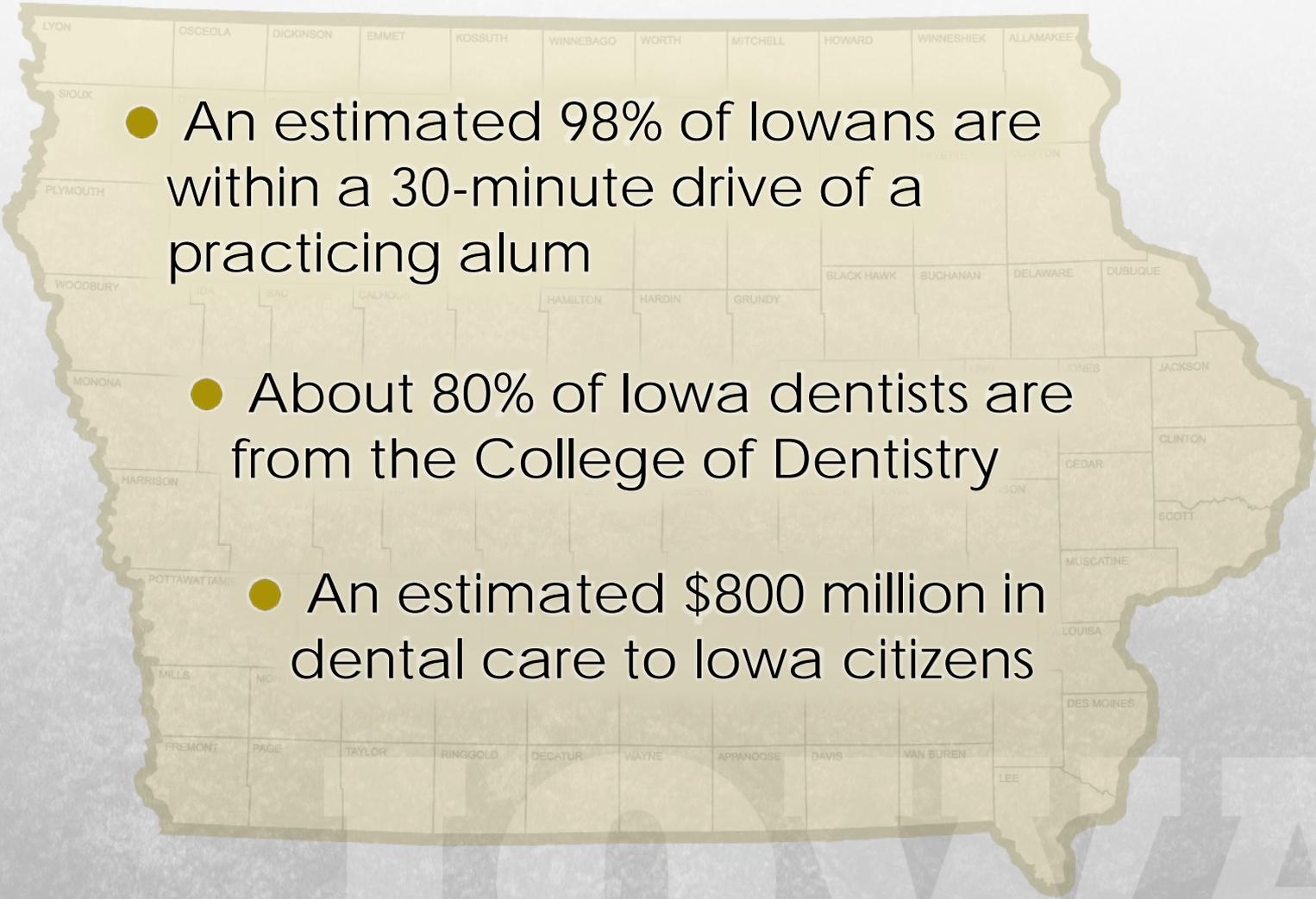
March 2, 2016



David Johnsen

The University of Iowa College of Dentistry



- 
- An estimated 98% of Iowans are within a 30-minute drive of a practicing alum
  - About 80% of Iowa dentists are from the College of Dentistry
  - An estimated \$800 million in dental care to Iowa citizens



Fulfilling Iowa's Need for Dentists  
A Collaborative Partnership since 2008



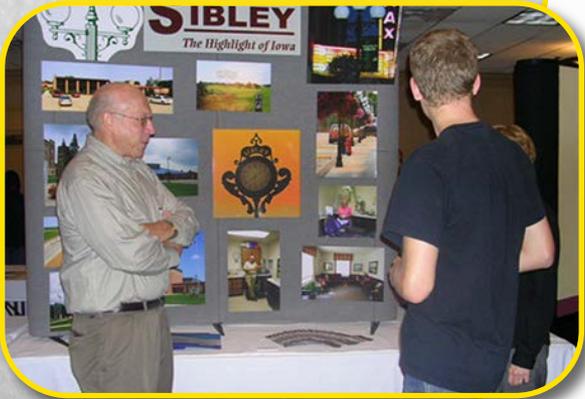
## Perspectives

### Retaining New Dentists in Iowa: A Role for Dental Schools in Facilitating Graduates' Connections to Practice Opportunities in Underserved Areas

Debra A. Hoyle, B.S.W.; Penni M. Ryan, B.L.S., C.P.P.; Jed S. Hand, D.D.S., M.H.S.A.; Peter Damiano, D.D.S., M.P.H.; Galen B. Schneider, D.D.S., Ph.D.

**Abstract:** Like many other states, Iowa has an aging dental workforce. As this aging population of dentists retires and communities are unable to find new dentists to take over their practices, more small and rural communities lack easy access to oral health care. The University of Iowa College of Dentistry and Dental Clinics established the Office of Iowa Practice Opportunities in 2006 to promote dental practice opportunities in Iowa for its graduates. With this office, an infrastructure connecting the college with practices and communities across the state has been developed. The Office of Iowa Practice Opportunities is the first place many students go to decide what they will do after graduation and to identify practice opportunities in Iowa. The office exceeded the college's initial expectations and has provided significant assistance in retaining dentists in Iowa. The office's success in promoting dental practice opportunities in Iowa and ensuring access to oral health care in the state. This article discusses the role of dental schools in facilitating graduates' connections to practice opportunities in underserved areas of a college of dentistry.

Ms. Hoyle is Iowa Practice Opportunities Coordinator, Office of Iowa Practice Opportunities, College of Dentistry and Dental Clinics, University of Iowa.



# Outreach Activities

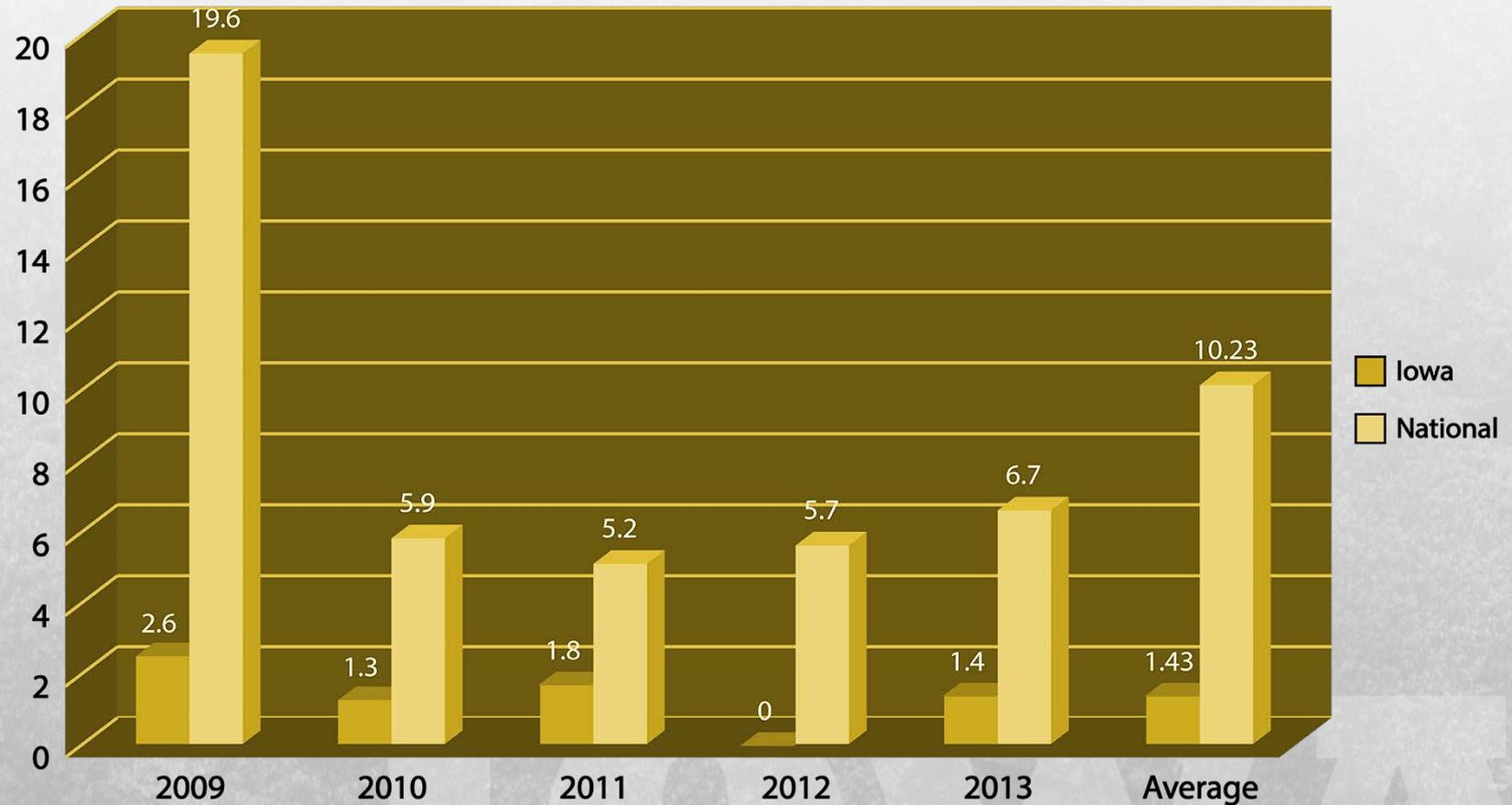


## Entering Class of 2014

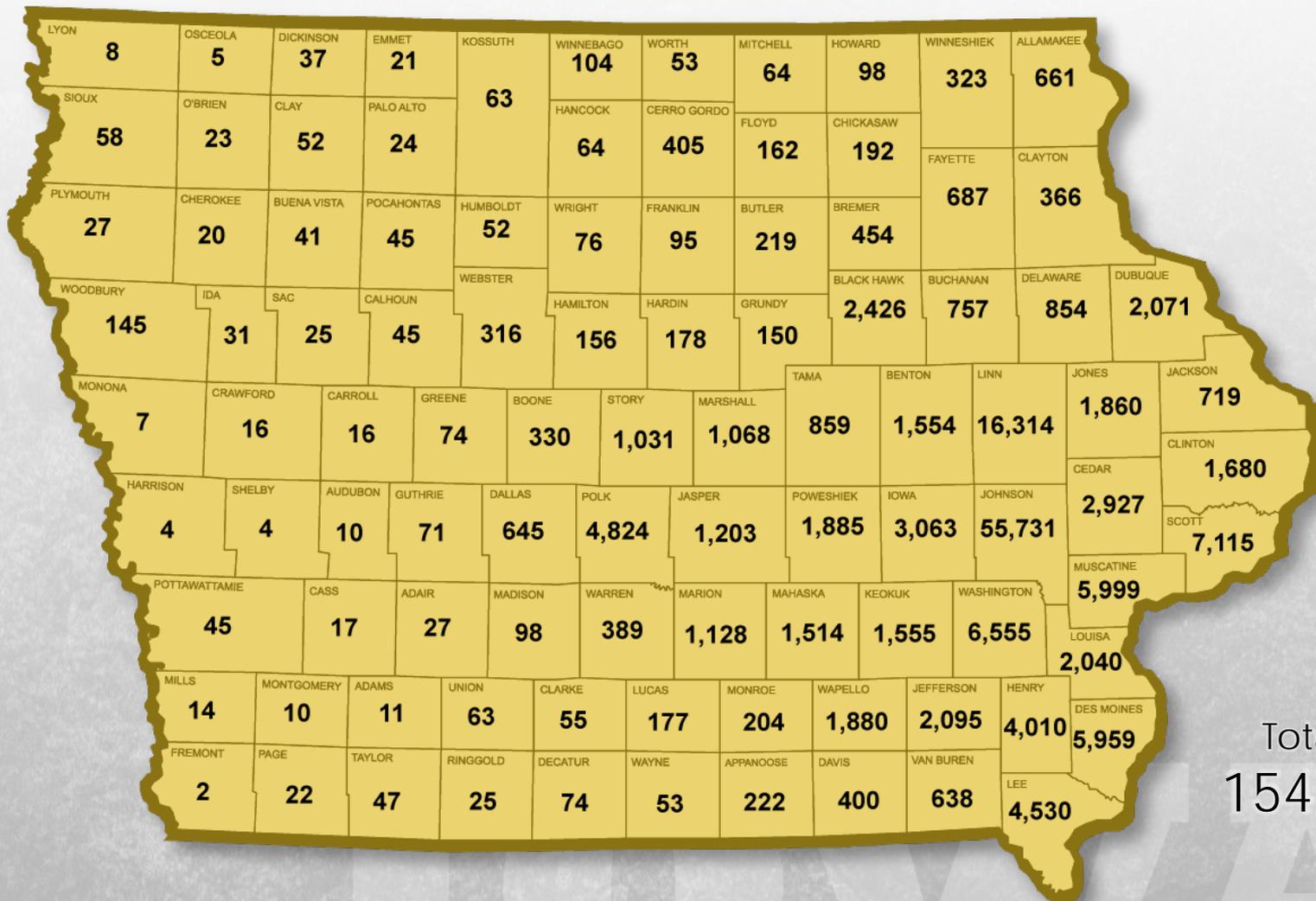
- 900 applicants for 80 slots
- 70% of class are Iowa Residents
- Most years we have students from either every county or the immediately contiguous county
- Academic profile of entering class: 3.73 average gpa, above the national average standardized test scores
- Tuition scholarships are awarded to students from all parts of Iowa



## NBDE Part II Failure Rate 2008-12



# 2013 - 2014 Patient Visits



Total = 154,521

Dental  
Public Health



Steve Levy



John Warren

Endodontics



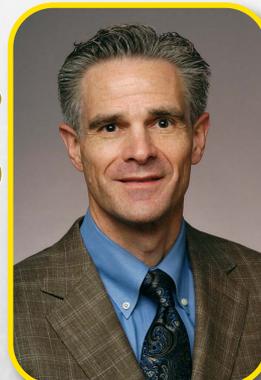
Bill Johnson

Operative  
Dentistry



Justine Kolker

Oral Surgery



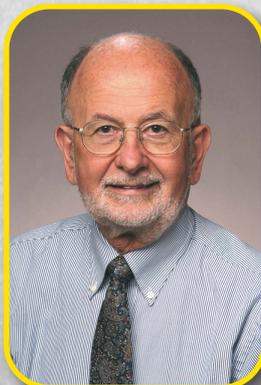
Kirk Fridrich

Oral Pathology



John Hellstein

Pediatric  
Dentistry



Art Nowak

Periodontics



Georgia Johnson

Prosthodontics



Steve Aquilino



Clark Stanford

“...good science prevailed.”



# Iowa victory

## Des Moines Water Works to continue fluoridating water supply

**BY STACIE CROZIER**

*Des Moines, Iowa*—After soliciting public comments on fluoridation for six weeks, the Des Moines Water Works Board accepted a recommendation from its technical staff Dec. 17, 2013 to continue fluoridating its water supply.

The DMWW serves about 500,000 customers in central Iowa. It has been fluoridating for more than 50 years.

After reviewing more than 650

**INSIDE** CDC releases water fluoridation statistics, Page 15

comments both for and against fluoridation, DMWW technical staff recommended continuing fluoridation, finding it “appropriate for public health” and “consistent with the balance of scientific and medical opinions currently available.” Public comments and more information is posted on the DMWW website at [www.dmww.com/water-quality/fluoride-comments/](http://www.dmww.com/water-quality/fluoride-comments/).

DMWW staff presented the recommendation Dec. 3, 2013, to the DMWW Planning Committee. In addition to the hundreds of comments submitted to the company, about 30 people attended the meet-



**Dr. Smith:** “In reality, we had about six weeks to get ready.”



**Dr. Levy:** Grateful that scientific evidence won out.

ing to offer comments in person.

Members of the local dental society began organizing an informational campaign in mid-October, as soon as the water supplier began inviting comments, said Dr. Blair Smith, Des Moines District Dental Society president.

“We had relatively little time to prepare. We became involved in mid-October, and the board was set to decide in the first part of December. In reality, we had about six weeks to get ready.”

The dental society’s strategy, said Dr. Smith, was to encourage involvement of local dentists in the process, including pediatric dentists, the Iowa Department of Public Health, the Iowa Dental Association, Iowans for Oral Health and the University of Iowa College of Dentistry.

“I was very pleased that the DMWW board and professional staff relied on the scientific evidence

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# National Recognition





## Perspectives

### New Dental Accreditation Standard on Critical Thinking: A Call for Learning Models, Outcomes, Assessments

David C. Johnsen, DDS, MS; John N. Williams, DMD, MBA; Pauletta Gay Baughman, DMD; Darren M. Roesch, PhD; Cecile A. Feldman, DMD, MBA

**Abstract:** This opinion article applauds the recent introduction of a new dental accreditation standard addressing critical thinking and problem-solving, but expresses a need for additional means for dental schools to demonstrate they are meeting the new standard because articulated outcomes, learning models, and assessments of competence are still being developed. Validated, research-based learning models are needed to define reference points against which schools can design and assess the education they provide to their students. This article presents one possible learning model for this purpose and calls for national experts from within and outside dental education to develop models that will help schools define outcomes and assess performance in educating their students to become practitioners who are effective critical thinkers and problem-solvers.

Dr. Johnsen is Professor and Dean, University of Iowa College of Dentistry & Dental Clinics; Dr. Williams is Professor and Dean, Indiana University School of Dentistry; Dr. Baughman is Clinical Associate Professor, Department of General Dentistry and Oral Medicine, University of Louisville School of Dentistry; Dr. Roesch is Assistant Professor, Biomedical Sciences, Texas A&M University Baylor College of Dentistry; and Dr. Feldman is Professor and Dean, Rutgers School of Dental Medicine. Direct correspondence to Dr. David C. Johnsen, University of Iowa College of Dentistry & Dental Clinics, Dental Science Building, N308, Iowa City, IA 52242-1010; 319-335-7145; david-johnsen@uiowa.edu.

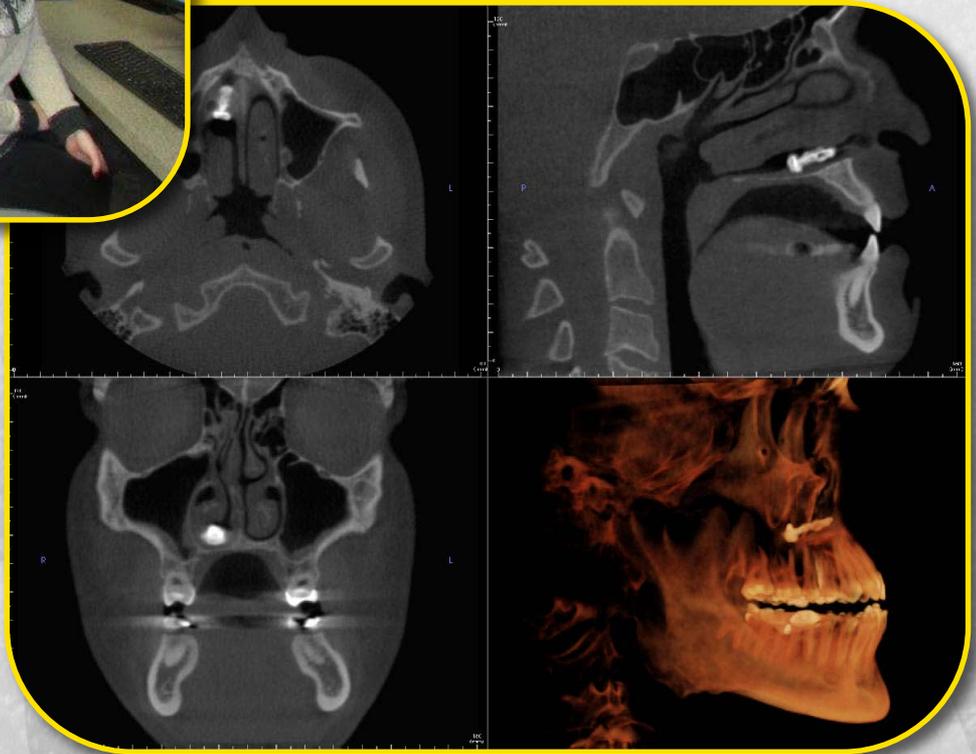
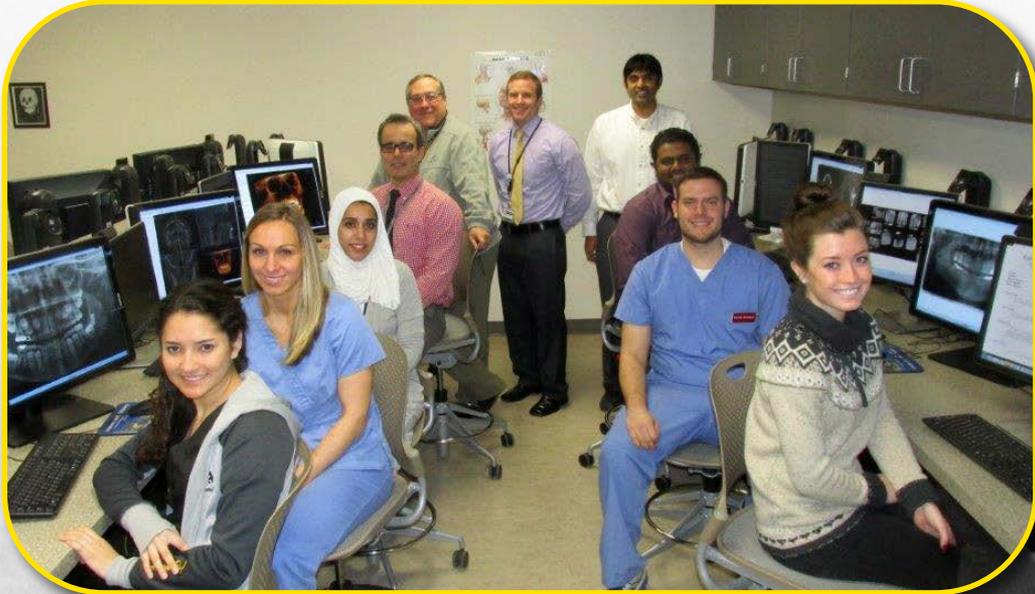
**Keywords:** dental education, accreditation, critical thinking, thinking, problem-solving, educational measurement

*Submitted for publication 1/19/15; accepted 4/7/15*

All agree that accreditation is essential and that the new Commission on Dental Accreditation (CODA) standard on critical thinking addresses necessary qualities of education. Although a good deal of thought has been given to critical thinking

### Assessing Competence in Critical Thinking

The new CODA Standard 2.9 states: "Graduates must be competent in the use of critical thinking and problem-solving, including their use in the delivery of patient care, scientific inquiry, and research." The standard, which was implemented in 2013, is a significant change in national



- Third in school presentations at American Association for Dental Research 2016



- Second in papers published in the Journal of Dental Education 2014

## The College and the World

**2008-2012**

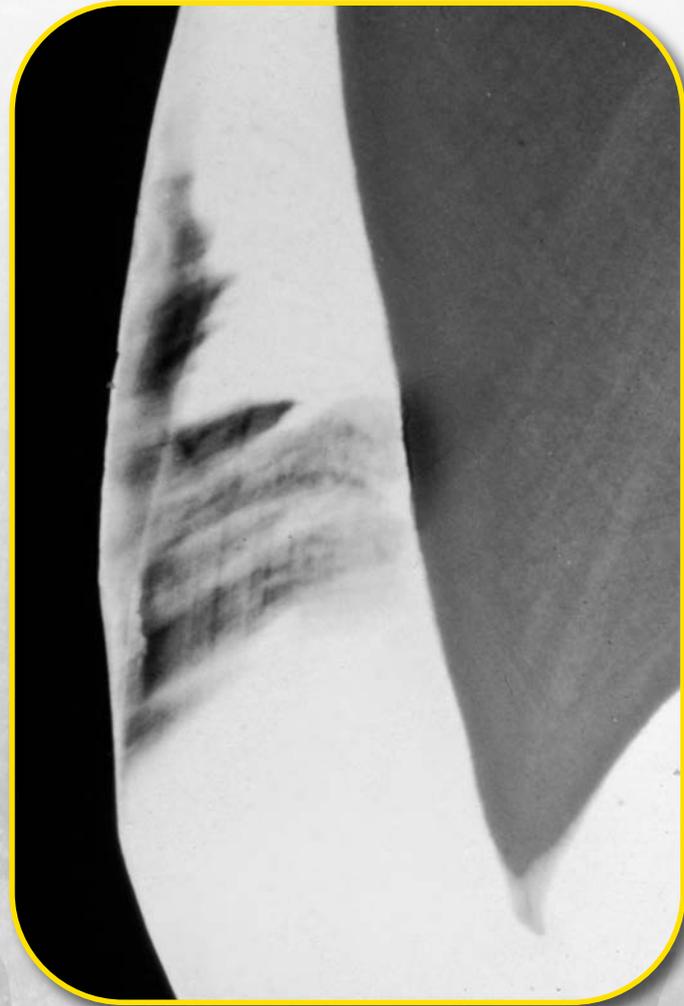
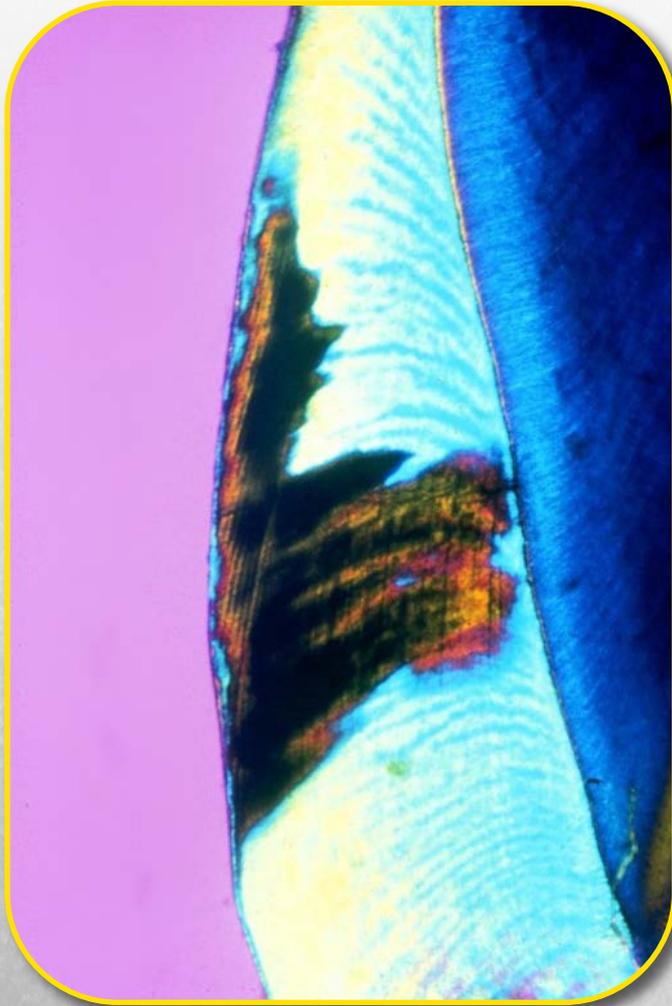


### Key

- Countries represented by international predoctoral and graduate students at the College of Dentistry
- Countries and territories represented by College of Dentistry international faculty
- Teaching and consulting activities by College of Dentistry faculty, including seminars, lectures, site visits, and visiting professorships
- Countries represented by visiting faculty to the College of Dentistry
- International research collaborations
- International service activities and service missions by College of Dentistry faculty, adjunct faculty, students, and staff



# Teeth Can Heal



- Hosted 8 national and regional meetings in 6 months
  - Midwest Regional Dental Student Research Conference
  - American Student Dental Association District 8 Conference
  - James S. Wefel Symposium on Early Childhood Caries
  - 13th Biennial Donald B. Osbon Memorial Lecture
  - 4th Annual FaceBase Consortium
  - American Board of Maxillofacial Radiology Review Course
  - The Advance Programs in Clinical Endodontics Symposium
  - Regional Dental Public Health Conference



# Thank You!



# IOWA