National Primary Oral Health Conference
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The National Network for Oral Health Access

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Welcome to Colorado!
Transformative Times

- Increased number of patients becoming Medicaid eligible
- Safety-net oral health providers will be called upon to treat the oral and overall health needs of more patients
- Dental schools are likely to see increased numbers of patients in their school and community-based clinics
- Critical partnerships and collaborations will be more important than ever
Your Dental School Partners

1. US Dental Schools and dental graduates
2. Changes in dental education
3. How dental schools are addressing access
4. One model of collaboration - University of Colorado (CU) School of Dental Medicine and our safety net clinic partners
5. Shared missions and the promise of future opportunities
Distribution of Public and Private U.S. Dental Schools, 2012

Source: American Dental Education Association v2
US Dental Schools and Dental Graduates

- In 2013, 66 US dental schools
- 12 states have no dental school
- 7 schools closed from 1986-2001
- 12 new schools opened since 1997
- Dental grads to US population –
  1980 = 1: 38,000 ; 2010 = 1: 64,000
- Grads debt averages $200,000+
New Dentist-to-Population Ratios

• Compared to 1980, the ratio of graduating dentists to U.S. population in 1990, 2000, and 2010 is significantly different.

• In 1980, there were more than 6,000 graduates, and the U.S. population was about 227 million, or a ratio of about one graduating dentist for every 38,000 Americans.

• In 1990, there were less than 4,000 graduates and the U.S. population was about 250 million, or a ratio of about one graduating dentist for every 62,500 Americans.

• In 2000, there were about 4,200 graduates and the U.S. population was about 281 million, or a ratio of about one graduating dentist for every 67,000 Americans.

• In 2010, there were about 4,800 graduates and the U.S. population was about 308 million, or a ratio of about one graduating dentist for every 64,000 Americans.

• If every one of the new schools under construction were to open by 2020 with an average class size of 85 (overall graduating class size of about 6,200), with an estimated U.S. population of 335 million, then the ratio would be about one graduating dentist for every 54,000 Americans. We know that all of these new dental schools under construction are not going to open.

• If we assume a more reasonable graduating class size of about 5,600, then the ratio in 2020 would be about one graduating dentist for every 60,000 Americans.
Professionally Active Dentists per 100,000 U.S. Population, 1972 to 2030

* Number from 2010 to 2030 was projected.

Source: American Dental Association, Survey Center, Dental Workforce Model, 2008-2030
Average Educational Debt Among Graduating Students with Debt by Type of School, 1996 to 2010 (in 2010 Constant Dollars)

Source: American Dental Education Association, Survey of Dental School Seniors, 2010 Graduating Class

Note: Educational debt is the sum of undergraduate and dental school debt of only those respondents who have debt.
Changes in Dental Education

1. Reports calling for change - IOM
2. ADEA CCI – Commission on Change and Innovation
3. ADA Commission on Dental Accreditation – New Standards 2013
4. New dental school models
Changes in Dental Education

New ADA standards are catalyzing change in:

- Humanistic environment
- Diversity and inclusion
- EBD
- Community-based programs
- Inter-professional education
How Dental Schools Address Access to Care

• Serve special populations in school-based clinics
• **Community-based activities**
• Unique collaboration with Dental hygiene professionals on co-location projects
• Unique collaborations with non-dental health providers
• Creating tomorrow’s oral health workforce
CU School of Dental Medicine

- Inter-professional education
- The science behind our future
- Community-based clinical experiences
- New initiatives
CU School of Dental Medicine

Interprofessional Education

CU SDM Recognized with 2013 ADEA Gies Award for Innovation by dental institution for IPE Programs. Addressing both How and What...

- IPED – Team training
- Frontier Center Project – curricular changes
IPED

• Team Training
  • TeamSTEPPS Curriculum - AHRQ- Agency of Health Research and Quality, and Dept. of Defense, designed to improve patient outcomes
  • The CAPE - Priority in Standardized Patient Case resolution is not solving medical issue but communication improvement

• Third year professional students
MISSION Clinical possible events in a clinical setting

Deductive Reasoning: Potentially relevant pieces of information pointing to possible harm. Self-score.

CLUE PACKET: Details about Mission
- Discipline specific learning points related to adverse events and patient safety.

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PRODUCT & SCENARIO DEBRIEF:
- Identify defects and solutions
- Discuss team performance factors
- Calculate levels achieved and points accumulated
- Evaluate scenarios
- Team self-debrief and turn-in
- Test
Interprofessional Education Enhances Patient Care by Building Bridges

Through educational programs targeted at medical, PA and dental students, medical residents, PA students and practicing dentists and physicians, we are working to improve understanding about the oral-systemic connection and its impact on our patients’ general health.
The Frontier Center Project

Funded by Delta Dental of Colorado

• Workforce impact and caries prevention
• Medical students and PA students have oral health experiences taught by dental students and faculty
• Pharm D students screen patients with dental students
• Infant oral health programs
• Family physicians teach dental students about prevention, dermatology, diabetes, pregnancy and chronic medical conditions
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Collaborative Research Activities

- Developmental biology
- Cancer biology
- Dental materials bioengineering
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Community-Based Education

The Advanced Clinical Training Service
ACTS Program-

• Nearly 3 decades long history
• Safety net clinic sites across Colorado
• Success stories - 42% of the preceptors in our ACTS Program are CU graduates
CU School of Dental Medicine
Impact Initiatives

1. Spanish language initiative
2. International Dental Program
3. Infant oral health centers – CF3 Clinic
4. ACTS collaboration/calibration project
5. SDM public health practicum
6. Education collaborations with the Colorado School of Public Health
Shared Missions and the Promise of New Partnerships

**Our Goal** - to create providers who can function in interprofessional treatment locations and who can collaborate to prevent disease, treat the manifestations of disease and create health for the patients we are privileged to serve.

**The Opportunity** - You are the model for and inspiration to the rest of us in the dental profession as you improve the oral health of underserved populations, and contribute to overall health through your leadership, advocacy, and care of patients in safety-net systems.

**An Aspiration** - to create providers just like you.
Thank you and have a great Conference!