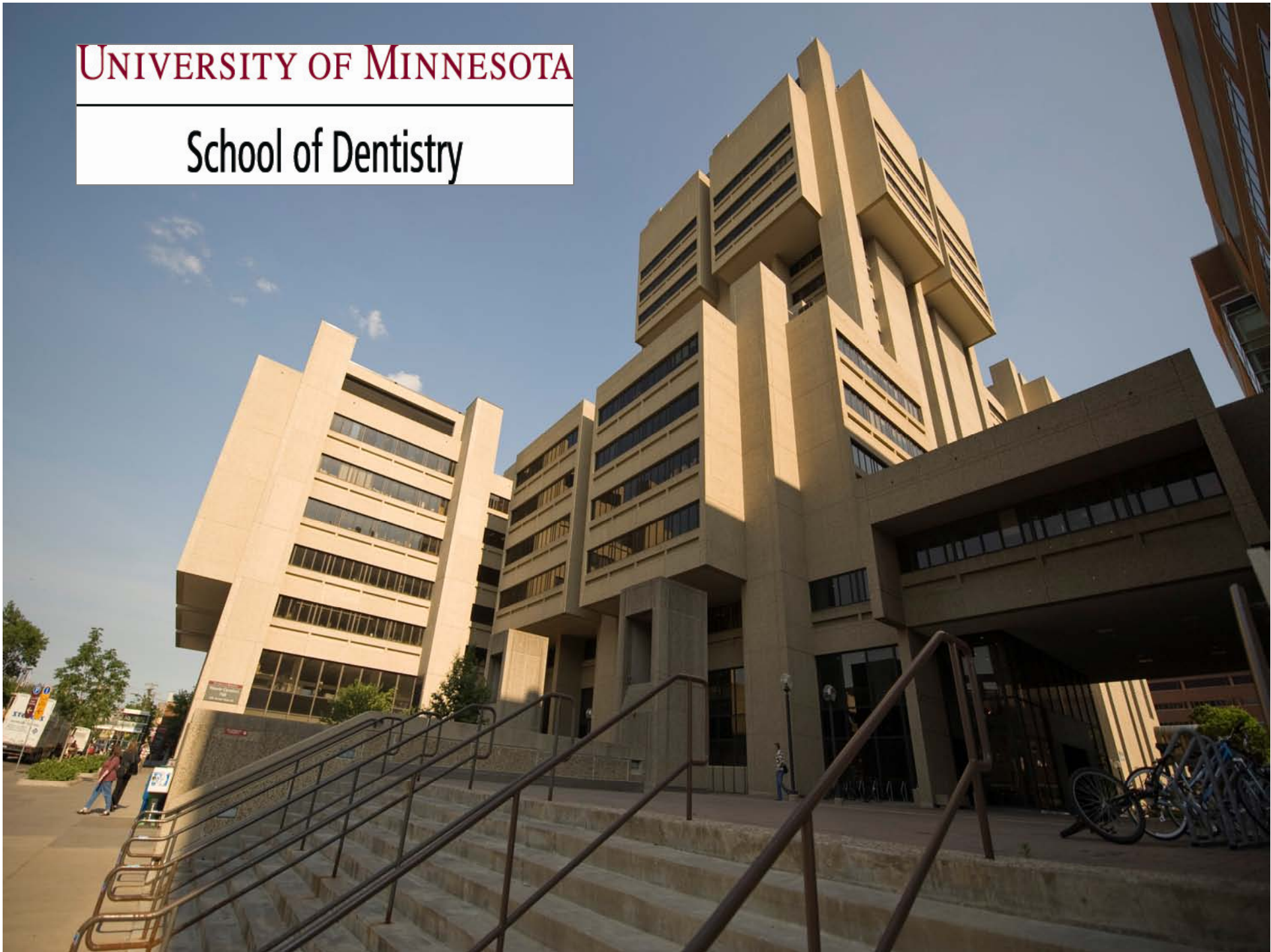


UNIVERSITY OF MINNESOTA

School of Dentistry



# U of M: A Land Grant College

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- U.S. statutes - signed into law by Lincoln (1862)
- Eligible states receive federal land for the purpose of establishing and funding educational institutions
  - Purpose: Meet the educational needs of the state
    - “in such a manner as the legislatures of the States may respectively prescribe”
    - promote the liberal and practical education of the classes in several pursuits & professions in life

# Academic Health Center: Vision

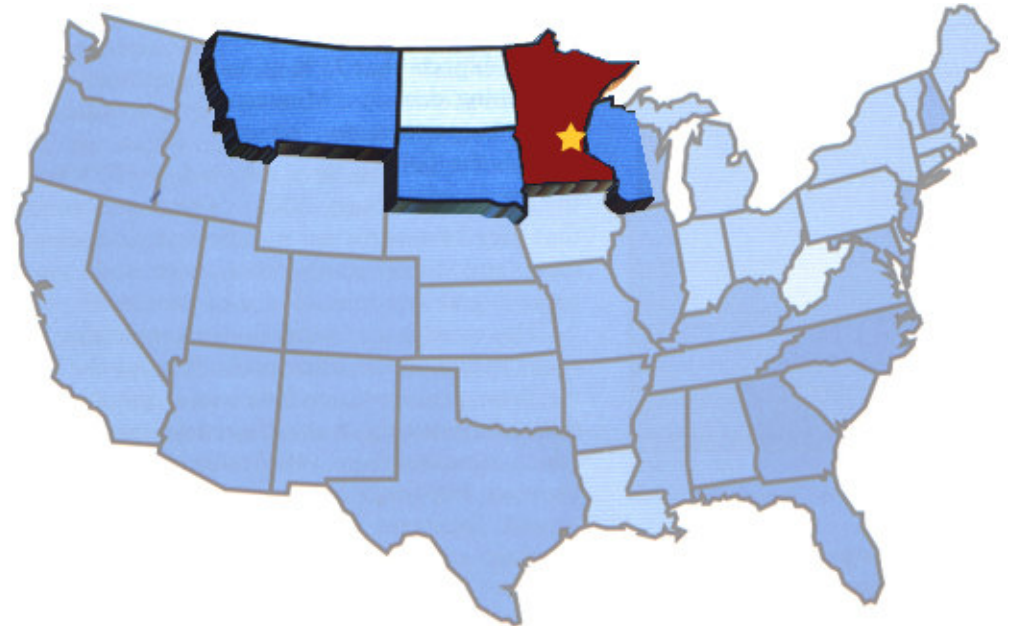
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- **Create & prepare new health professionals for Minnesota**
- Sustain the vitality & excellence of the state's health research;
- Expedite the dissemination & application of new knowledge into the promotion of health & delivery of health care in Minnesota;
- **Develop & provide new models of health promotion & care for Minnesota**
- **Reduce health disparities in Minnesota & address the needs of the state's diverse populations**
- Use information technology to transform how we educate, conduct research, and provide service to individuals & communities in Minnesota; and
- Build a culture of service and accountability to Minnesota

# U-M School of Dentistry: A regional resource for education & service

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- Only dental school in the state.
- Only dental school between Milwaukee & Seattle



# Accreditation

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The University of Minnesota School of Dentistry is accredited by the Commission on Dental Accreditation (CODA).

It is the only institution in the state accredited to teach dentistry procedures.

It is also accredited to educate dental hygienists and dental specialists in Endodontics, Oral and Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Periodontics, Prosthodontics.

# Commission on Dental Accreditation

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## Representatives:

## Members

American Dental Association	4
American Association of Dental Examiners	4
American Dental Education Association	4
Postdoctoral General Dentistry	1
Recognized Dental Specialties (one each)	9
American Dental Assistants Association	1
American Dental Hygienists' Association	1
National Association of Dental Laboratories	1
General Public	4
Students	1

**Total 30**

# A regional resource

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- We educate 80% of Minnesota dentists;
- Our researchers develop dental materials used by every dentist in the state;
- Clinics have treated >284,000 patients;
- Outreach programs serve thousands of low-income patients;
- Major provider of services to uninsured & working poor.

# Mission

- Education
- Research
- Service

**SCHOOL OF DENTISTRY**

**MISSION**

- The University of Minnesota School of Dentistry improves oral and craniofacial health by educating clinicians and scientists who translate knowledge and experience into clinical practice.

**CORE VALUES**

- Excellence in all we do
- Strong sense of vision and purpose
- Serve the community and contribute to society
- Respect for the individual
- Continual pursuit of knowledge
- Personal and institutional integrity

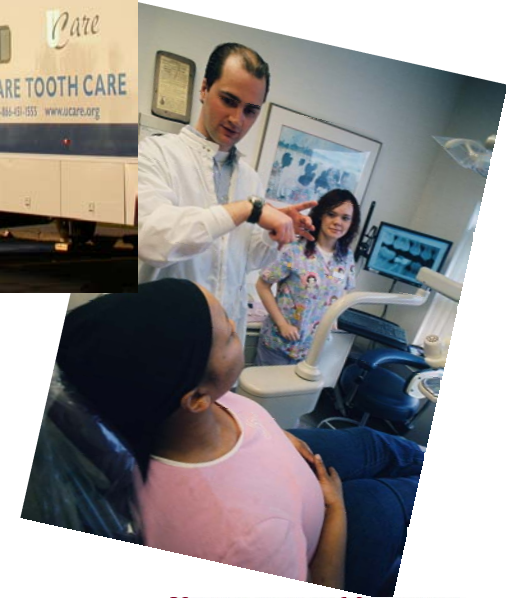
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# Goals: Outreach activities

- Provide excellent clinical training for tomorrow's oral health care professionals
- Help address oral health care needs of Minnesota residents, particularly the underserved
- Increase the long-term supply of dentists in Greater Minnesota



# Community Outreach Clinics

## 1. Hibbing Community College Dental Clinic

- Minnesota State Colleges & Universities (MnSCU)

## 2. Community University Health Care Clinic (CUHCC)

- University of Minnesota

## 3. Walker Dental Clinic

- Walker Methodist Health Center

## 4. NorthPoint Health & Wellness Center

- Hennepin County

## 5. Mobile Dental Unit

- UCare Minnesota

## 6. Prairie Winds Dental Clinic

- State of South Dakota
- Horizon Health Care

## 7. Rice Regional Dental Clinic

- State, regional and community partnerships



# Total patient visits

## July 1, 2007 *to* June 30, 2008

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- **School of Dentistry campus clinics** *(31% public program patients)*
  - **Patient visits: 83,859**
    - 46,940 – undergraduate clinics
    - 31,796 – graduate clinics
    - 5,123 – dental hygiene clinics
  
- **Outreach clinics:** *(85% public program patients)*
  - **Patient visits: 13,410**
    - Hibbing: 5,033
    - Willmar: 3,312 *(start date: Dec. '07)*
    - MDU: 1,335
    - CUHCC: 934
    - NorthPoint: 1,655
    - Walker Methodist Health Center: 1,141

# Dental Therapy Program – Core Curriculum

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- A strong foundation in related basic and clinical sciences.
- The curriculum prepares graduates to be valued members of the oral health care team.
- Program begins with students completing a core curriculum similar in emphasis to the pre-professional education required of all dental school applicants.

# Dental Therapy – Pre-clinical instruction

- Psychomotor skill development achieved in a state-of-the-art facility under the direction of expert dental faculty.



# Pre-clinical learning



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# Dental Therapy – Community-based Education

- Clinical training in the patient clinics at the dental school, as well as at its urban and rural community outreach clinics.



# Dental Therapy – Clinical Education

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- Clinical education takes place in the same settings in which dental and hygiene dental students are educated.
- This instruction is under the direct supervision of qualified clinical educators, within a team environment, to ensure proficiency within the prescribed scope of practice.

# Dental Therapy – Cultural Experiences

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- Throughout the course of their education, dental therapy students experience a broad-based exposure to, and involvement in, community oral health care issues, especially with groups documented as having limited access to care.

# Dental Therapy – Competencies

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- Students complete the program having demonstrated competency in those elements of comprehensive assessment, and necessary to provide safe and effective preventive and therapeutic oral care.

# SOD Curriculum Steering Committee

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Chair, Judith Buchanan, Associate Dean for Academic Affairs

Daryl Hamamoto, Assistant Dean for Academic Affairs

Gary Hildebrandt, Director, Division of Operative Dentistry

Chris Blue, Director, Division of Dental Hygiene

Peter Berthold, Director, Division of Community Oral Health

Ron Grothe, Director, Advanced Training Program Pediatric Dentistry

# Guiding Principles for SOD Curriculum Steering Committee: Dental Therapy Program

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- The “standard of care” taught to dental therapists will be identical to that taught to dental students;
- Within the defined “scope of practice”, competency requirements for dental therapists will be identical to those which apply to dental students;
- Examination, diagnosis & treatment planning are the purview of the dentist;
- Health promotion & disease prevention will be core elements of the educational program;
- Irreversible surgical procedures will be performed under indirect supervision;

# Guiding Principles for SOD Curriculum Steering Committee: Dental Therapy Program

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- Program will be structured to complement, rather than compete with, other dental professionals;
- Program will provide a foundation for professional advancement and career growth;
- Graduates will contribute to reducing the cost of care and to improving access for underserved populations;
- Education will occur in a professional environment which includes dental hygienists & dentists, to ensure graduates are prepared to work in a team setting;
- Graduates will find viable career opportunities in the dental marketplace; and
- Program could be replicable by other dental schools.

# Dental Therapy Tracks

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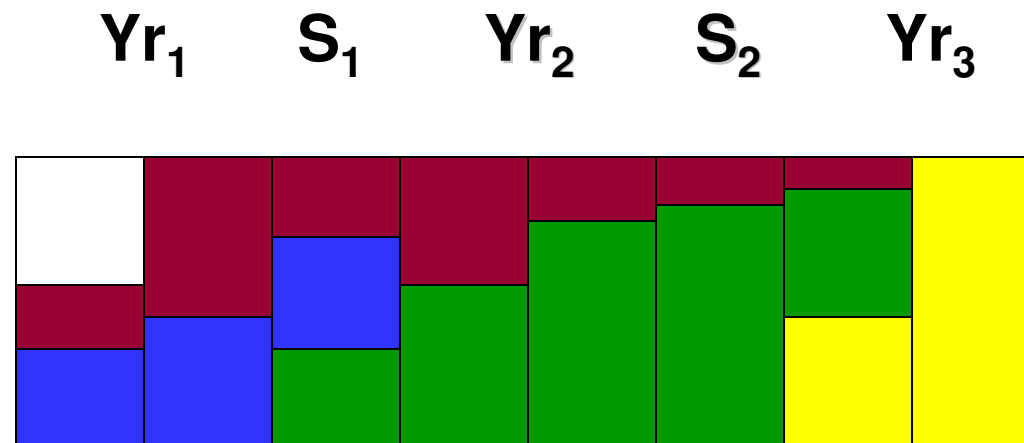
- **Bachelors of Science in Dental Therapy**
  - high school graduates
  - core curriculum
  - thirty-three months
- **Masters in Dental Therapy**
  - Bachelors degree
  - core curriculum
  - twenty-eight months

# Bachelors in Dental Therapy

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- Prerequisite core curriculum
  - English – 4 credits
  - General Biology or Zoology – 4 credits
  - Principles of General Chemistry – 4 credits
  - Biochemistry – 3 credits
  - Mathematics – 3 credits
  - Physiology – 3 credits
  - Applied human physiology – 3 credits
  - Anatomy – 3 credits
  - Microbiology – 3 credits
  - Statistics – 3 credits

# Bachelors in Dental Therapy: Curriculum Map



□ Core course work - CLA

■ Dental course work

■ Pre-clinical

■ Clinical – Moos Tower

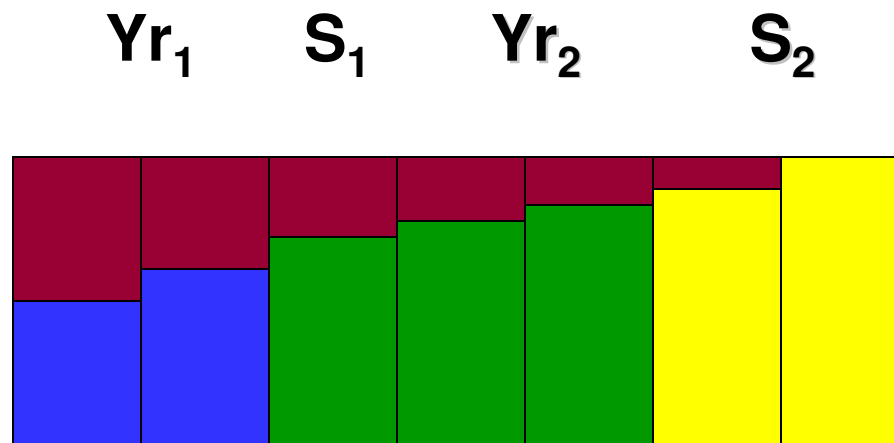
■ Outreach





# Masters in Dental Therapy (Professional Degree)

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- **Prerequisites for admission**
  - Bachelor Science degree
  - Core curriculum
    - English – 4 credits
    - General Biology or Zoology – 4 credits
    - Principles of General Chemistry – 4 credits
    - Biochemistry – 3 credits
    - Mathematics – 3 credits
    - Physiology – 3 credits
    - Applied human physiology – 3 credits
    - Anatomy – 3 credits
    - Microbiology – 3 credits
    - Statistics – 3 credits

# Masters in Dental Therapy: Curriculum Map



-  Dental course work
-  Pre-clinical
-  Clinical – Moos Tower
-  Outreach

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