



Interim Higher Education Committee Meeting

August 18, 2016

UNIVERSITY OF NORTH DAKOTA SCHOOL OF MEDICINE & HEALTH SCIENCES



Outline of This Morning's UND SMHS Briefing

- Overview presented by Chair Dave Molmen, UND SMHS Advisory Council
- Overview of the UND School of Medicine and Health Sciences – Dr. Wynne
 - Mission – What we do
 - Overview of our student classes
 - Financial status
 - Education
 - Discovery (research and scholarship)
 - Service
 - Status of the Healthcare Workforce Initiative (HWI)
 - SMHS Agenda for 2016/17 and beyond – Where we hope to go

Mission



Outline of This Morning's UND SMHS Briefing

- Healthcare Workforce Update – Mr. Brad Gibbens and Dr. Wynne
- Interprofessional Health Education and Care – Dr. Gwen W. Halaas
- SMHS Research Overview
 - Biomedical Sciences – Dr. Colin Combs
 - INBRE – Dr. Don Sens
 - Population Health – Dr. Gary Schwartz
 - Eating Disorders – Dr. Stephen Wonderlich
- Tour of new SMHS building

UND SMHS Advisory Council Report

Dave Molmen, Chair

Dr. Joshua Wynne, Executive Secretary

UND SMHS Advisory Council

Legislators

- Sen. Robert Erbele, *Lehr*
- Sen. Tim Mathern, *Fargo*
- Rep. Lois Delmore, *Grand Forks*
- Rep. Jon Nelson, *Rugby*

State Department of Health

- Dr. Terry Dwelle, *Bismarck*

ND Medical Association

- Courtney Koebele, *Bismarck*

Department of Human Services

- Maggie Anderson, *Bismarck*

Executive Secretary

- Dr. Joshua Wynne, *UND SMHS*

Chairperson

- David Molmen, *Altru Health System*

State Board of Higher Education

- Dr. Kevin Melicher, *Fargo*

Veterans Administration

- Dr. Breton Weintraub, *Fargo*

ND Hospital Association

- Dr. Craig Lambrecht, *Bismarck*

UND SMHS Center for Rural Health

- Dr. Gary Hart, *Grand Forks*

Members selected by the Dean

- John Kutch, *Minot*
- Dr. Shari Orser, *Bismarck*
- Dr. Thomas Arnold, *Dickinson*
- Dr. Stephen Tinguely, *Fargo*

The duties of the SMHS Advisory Council

NDCC Section 15-52-04

1. *The advisory council, in consultation with the school of medicine and health sciences and the other agencies, associations, and institutions represented on the advisory council, shall study and make recommendations regarding the strategic plan, programs, and facilities of the school of medicine and health sciences.*

The duties of the SMHS Advisory Council

NDCC Section 15-52-04

2. *Biennially, the advisory council shall submit a report, together with its recommendations, to the agencies, associations, and institutions represented on the advisory council, to the University of North Dakota, and to the legislative council.*

3. *...The recommendations for implementing strategies through the school of medicine and health sciences or other agencies and institutions must:*
 - (1) *Address the healthcare needs of the people of the state*
 - (2) *Provide information regarding the state's healthcare workforce needs*

The duties of the SMHS Advisory Council

NDCC Section 15-52-04

The recommendations required ...may address:

- (1) Medical education and training*
- (2) The recruitment and retention of physicians and other healthcare professionals*
- (3) Factors influencing the practice environment for physicians and other healthcare professionals*
- (4) Access to healthcare*
- (5) Patient safety*
- (6) The quality of healthcare and the efficiency of its delivery*
- (7) Financial challenges in the delivery of healthcare.*



Our Purpose as a School

“The primary purpose of the University of North Dakota School of Medicine and Health Sciences is to educate physicians and other health professionals and to enhance the quality of life in North Dakota. Other purposes include the discovery of knowledge that benefits the people of this state and enhances the quality of their lives.”

Source: North Dakota Century Code
Section 15-52-01

Our Purpose as a School

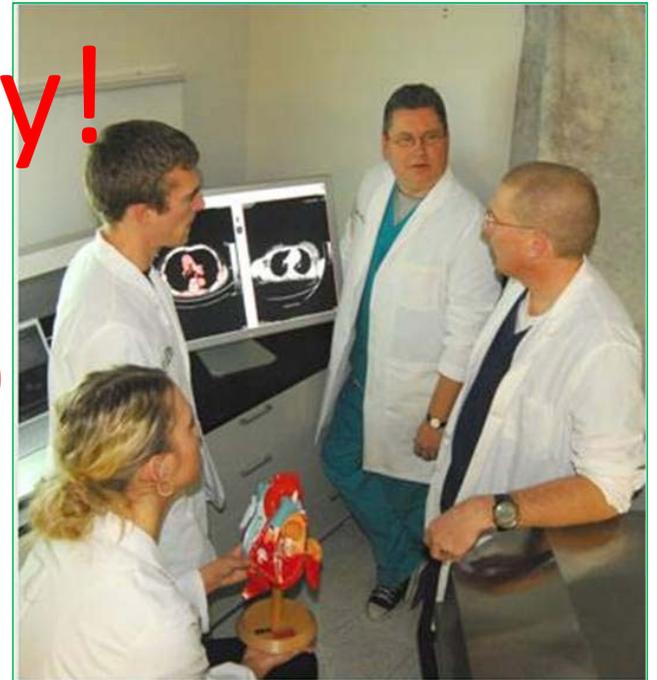
- Educate
- Discover
- Serve



Who We Are

**No. 1 in the
country!**

- 183 full-time academic faculty
- About 1,191 voluntary faculty members – 2 out of 3 physicians in ND
- 285 benefited staff
- Over 2,400 students



What We Do



UND SMHS Offers a Wide Variety of Academic Programs

Medicine

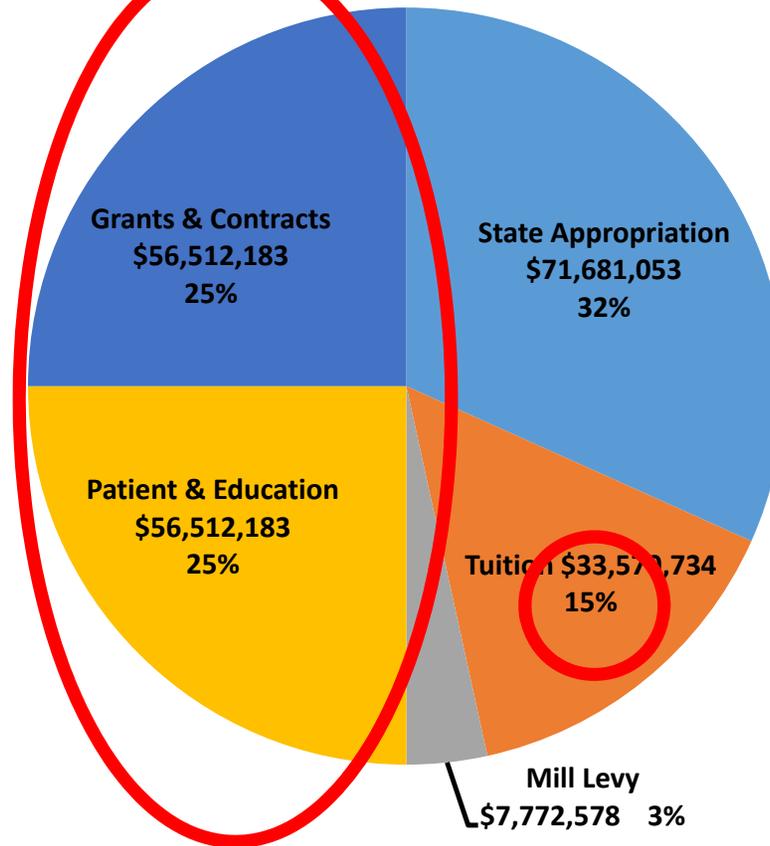
- Doctor of Medicine
- Residency programs in:
 - Family Medicine
 - Rural tracks
 - Internal Medicine
 - Surgery
 - Rural track
 - Psychiatry
 - Telepsychiatry
 - Transitional

Health Sciences/Related

- Physical Therapy
- Occupational Therapy
- Medical Laboratory Science
- Master of Public Health
- Physician Assistant Studies
- Sports Medicine/Athletic Training
- Graduate programs (master's and PhD) in biomedical sciences

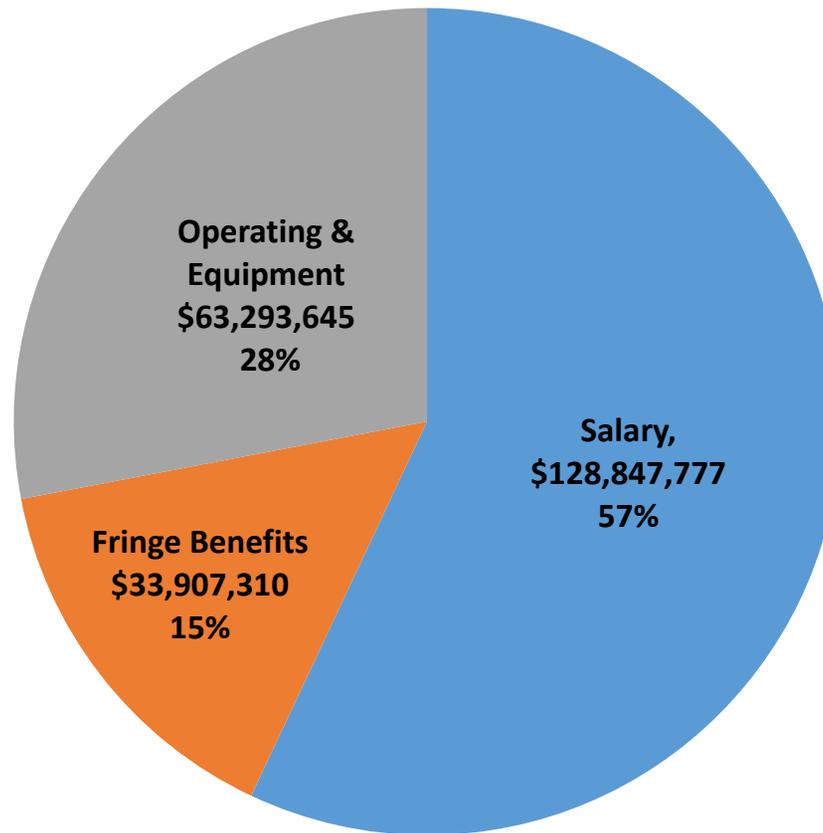
UND School of Medicine and Health Sciences 2015-17 Estimated Sources of Revenue \$226,048,731*

* Revised for \$5,024,193 General Fund reductions



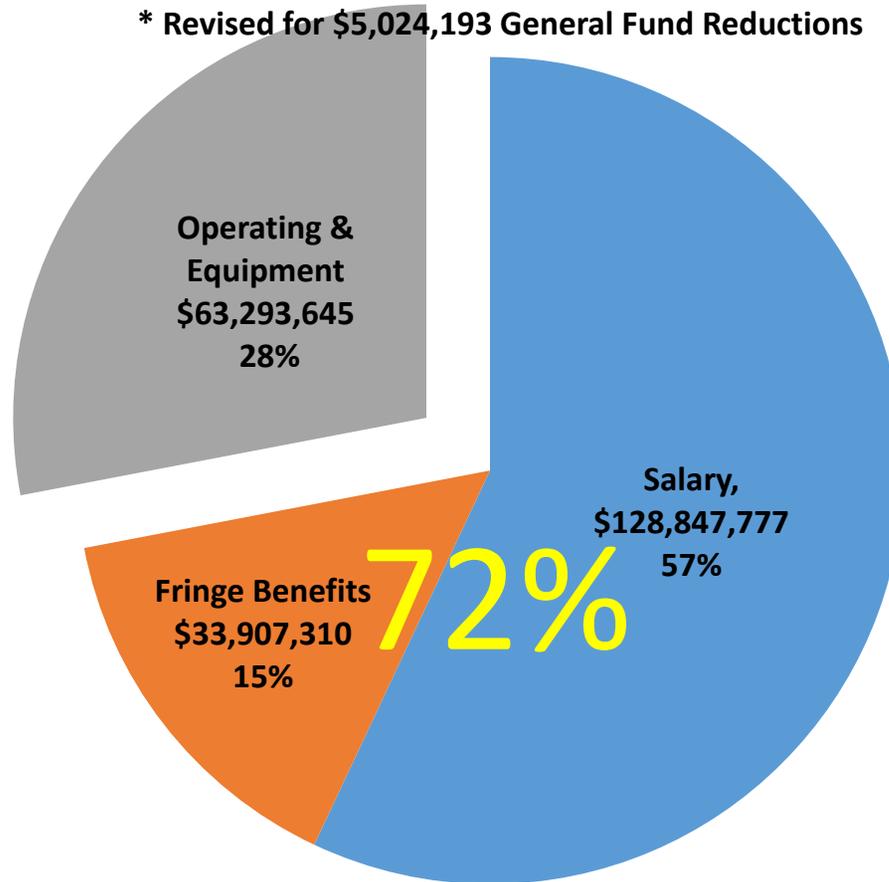
**UND School of Medicine and Health Sciences
Estimated Object of Expenditures: 2015-17
Total: \$226,048,731***

* Revised for \$5,024,193 General Fund Reductions



**UND School of Medicine and Health Sciences
Estimated Object of Expenditures: 2015-17
Total: \$226,048,731***

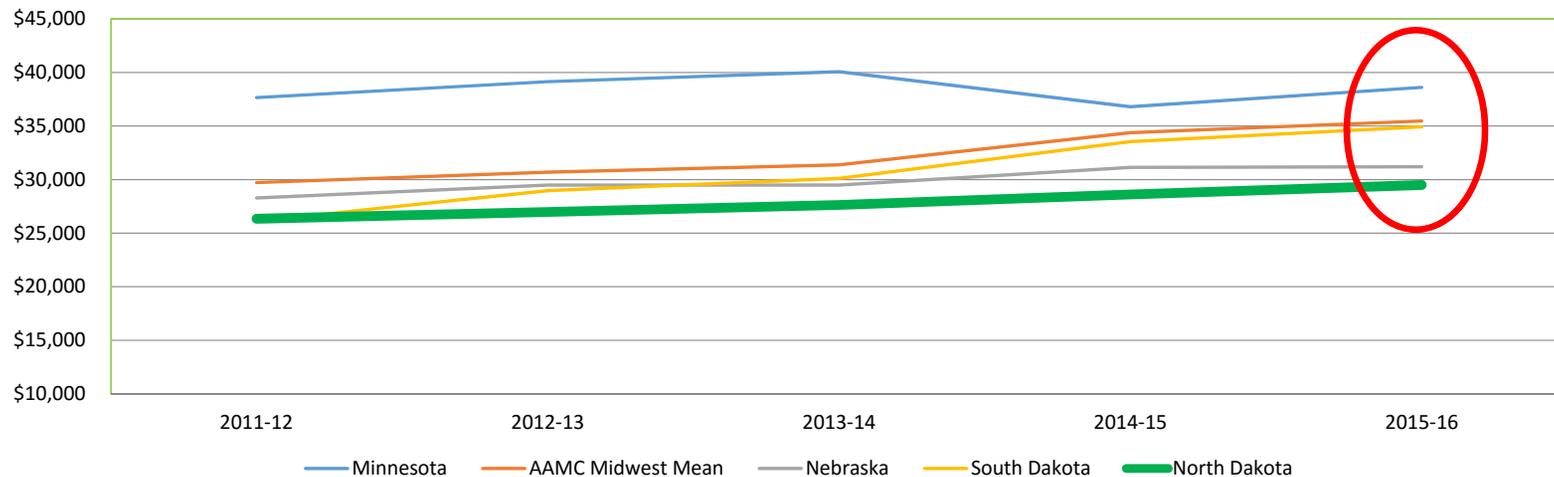
* Revised for \$5,024,193 General Fund Reductions



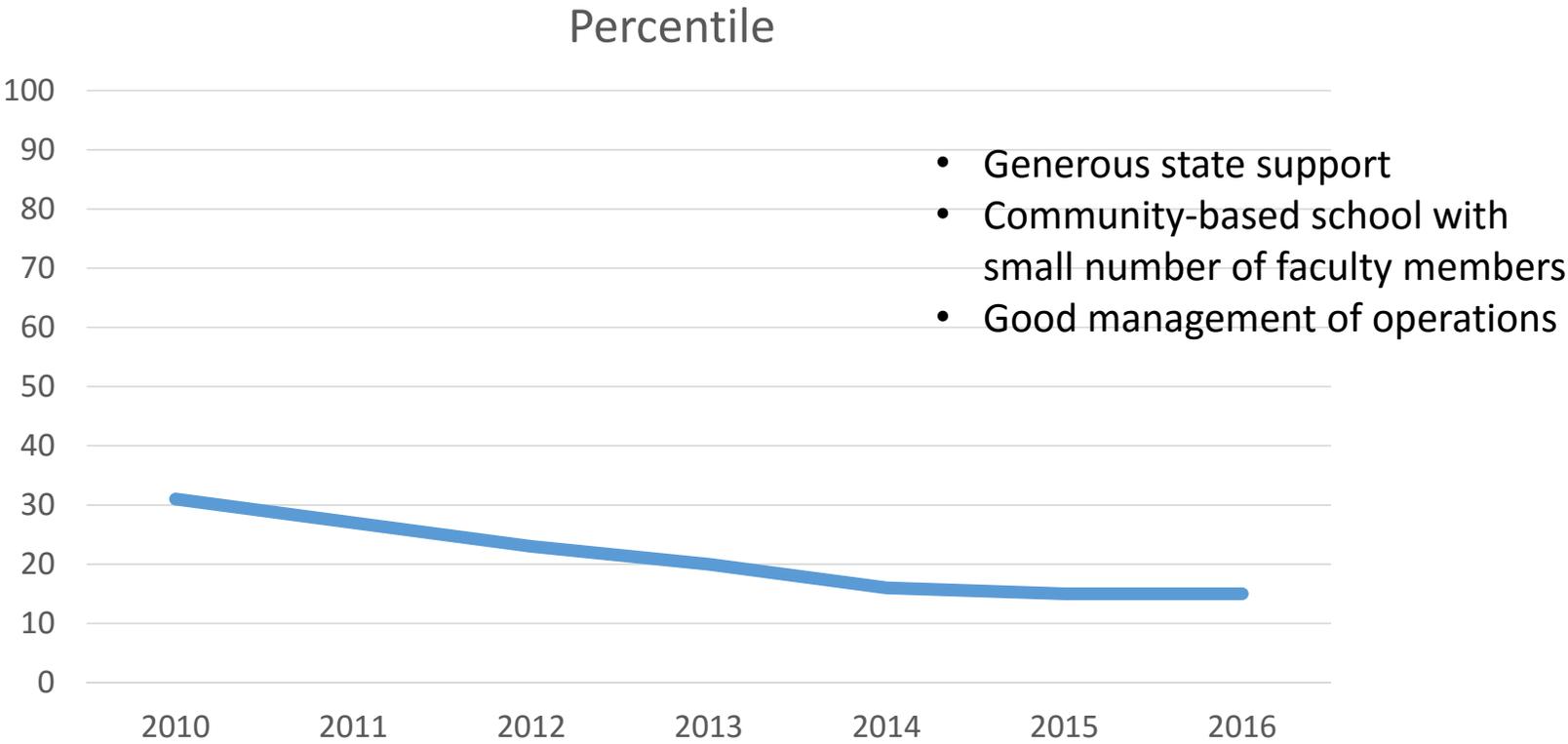
Tuition and Fee Comparison

	<u>2011-12</u>	<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	FY16 Increase from FY15	FY16 Increase from FY12	
Minnesota	\$37,657	\$39,140	\$40,068	\$36,800	\$38,601	4.9%	2.5%	
AAMC Midwest Mean	\$29,715	\$30,691	\$31,374	\$34,386	\$35,466	3.1%	19.4%	
South Dakota	\$26,124	\$28,975	\$30,110	\$33,554	\$34,924	4.1%	33.7%	
Nebraska	\$28,280	\$29,493	\$29,493	\$31,145	\$31,199	0.2%	10.3%	
North Dakota	\$26,345	\$26,981	\$27,631	\$28,614	\$29,496	3.1%	12.0%	
UND tuition and fees for 2016-17 is \$30,239, a 2.5% increase from 2015-16.								
						FY16 Increase	FY16 Increase	

Resident Tuition & Fee Rates for First-Year Regional Medical Schools



Medical Student Cost to Attend (In-state)

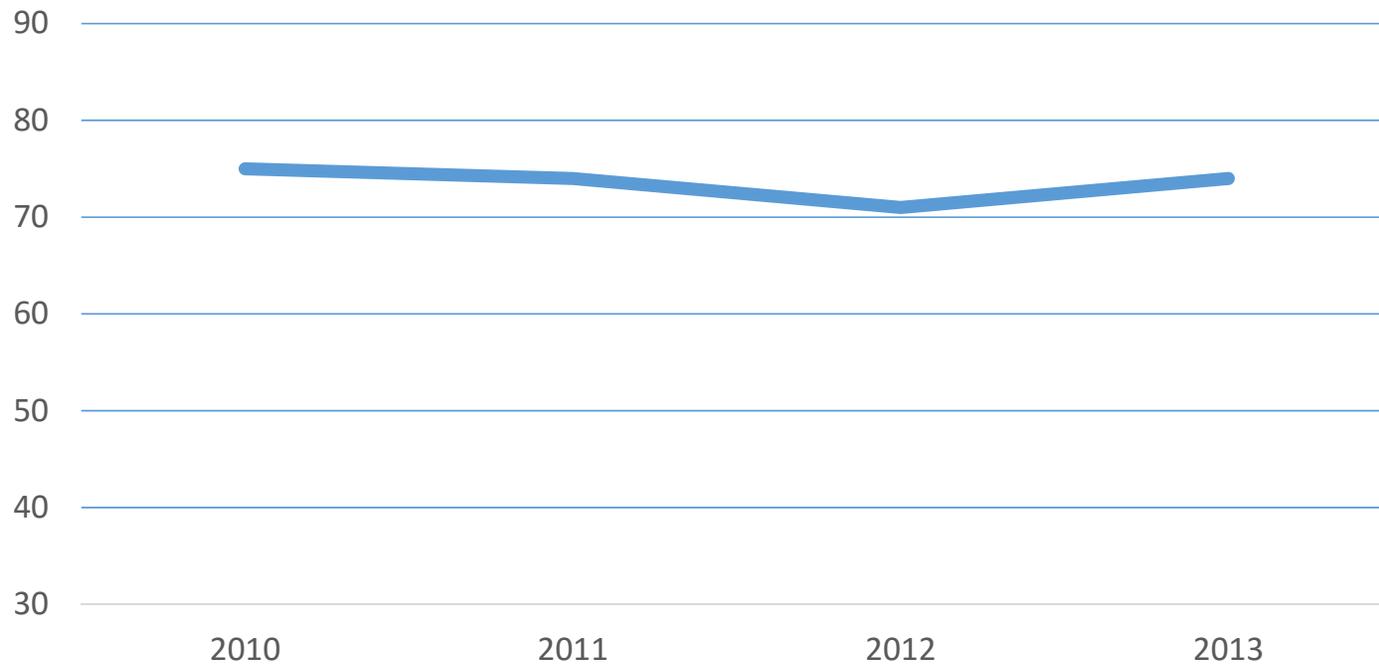


Source: Missions Management Tools, 2010-2016 AAMC



Medical Student Debt

Percentile



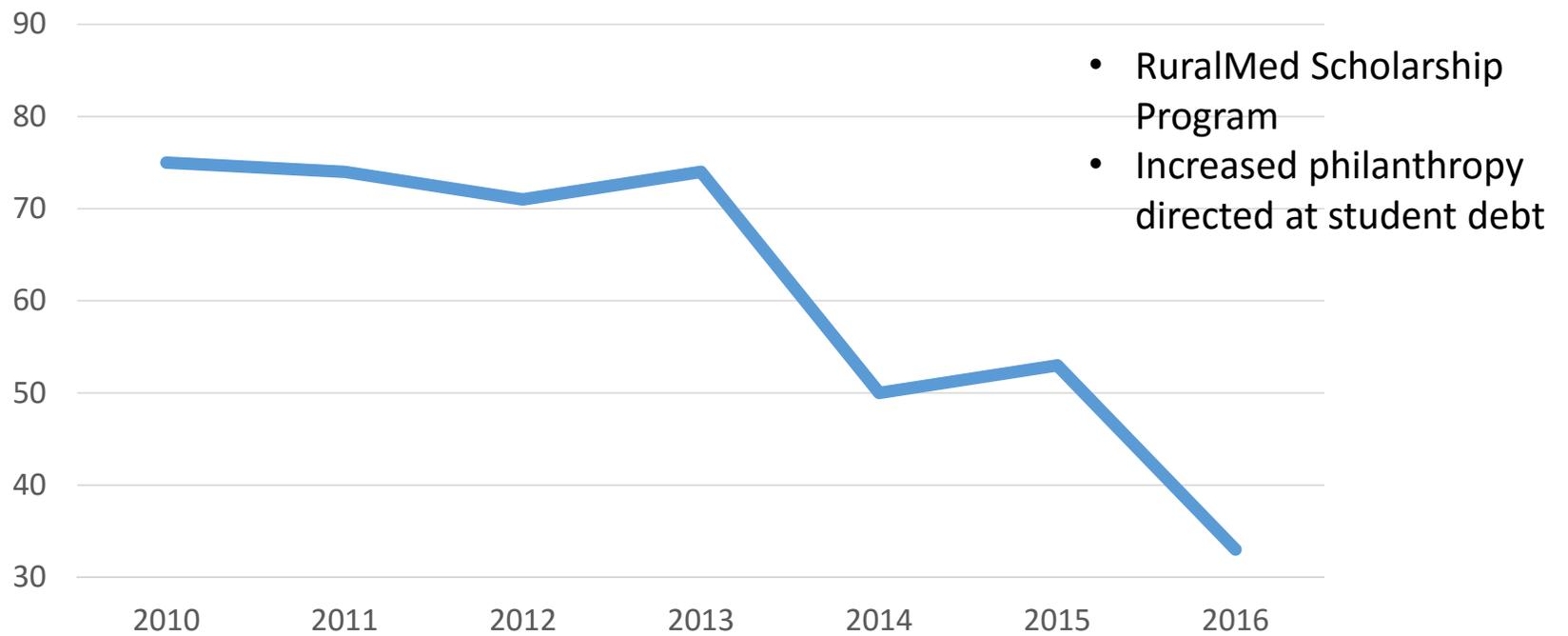
Source: Missions Management Tools, 2010-2013 AAMC

Why?

- School has a focus on recruiting students from rural areas, where median family income traditionally has been lower than in the urban areas
- Less scholarship and other philanthropic aid than many schools
- Therefore, debt has been high despite low cost to attend. (This low cost has been due, in substantial measure, to strong public support from the ND Legislature)
- Accordingly, the School made debt mitigation a priority

Medical Student Debt

Percentile



Source: Missions Management Tools, 2010-2016 AAMC

A School Without Walls

- The UND SMHS is one of 28 community-based medical schools (those that don't own or operate a hospital) in the country.
- We rely on almost 1,200 part-time (voluntary) clinical faculty members in over 30 communities throughout the state to educate medical students and residents.
- Two out of three of all of the physicians in the state are voluntary members of our faculty



Small Group Patient-Centered Learning

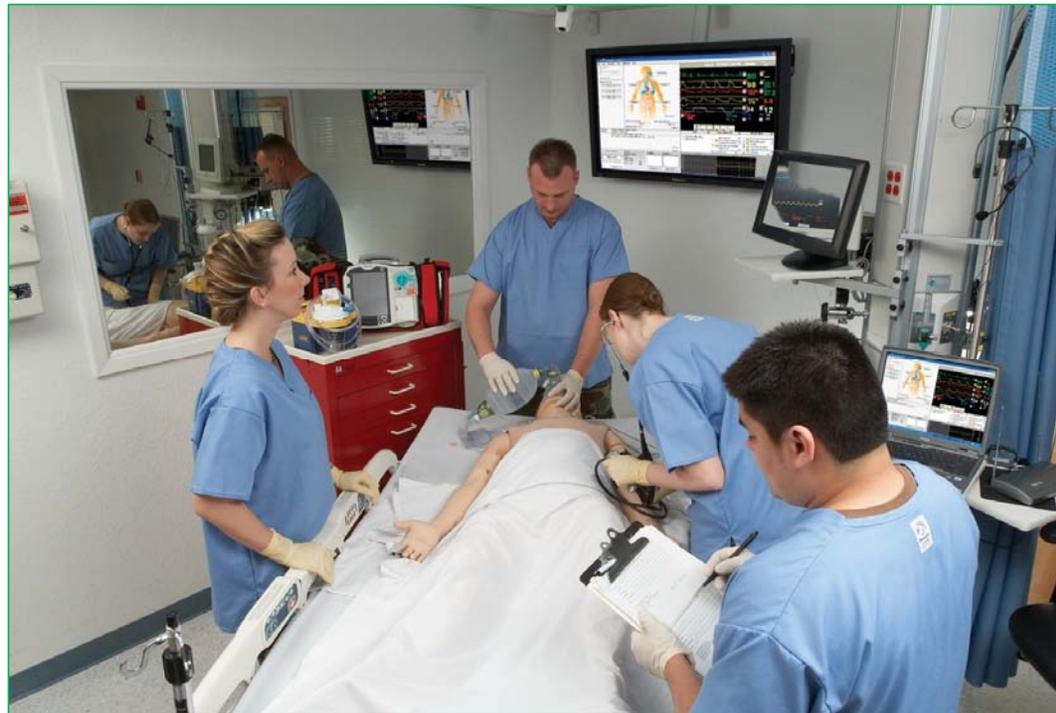


INMED (Indians into Medicine) Program

- Nearly twenty percent of all of the American Indian physicians practicing in the United States are graduates of the UND SMHS Indians Into Medicine Program.



Simulation Center (ND STAR) SIM-ND - Four mobile vans that cover each quadrant of North Dakota



Interprofessional Health Care

- Interprofessional education ensures that future healthcare professionals can better communicate and work as a team.
- Involves students from the full spectrum of healthcare – medicine, nursing, physical therapy, social work, communication sciences, dietetics, occupational therapy, health sciences.



Primary Care

- Focus on primary care education, especially for rural areas of North Dakota
- Educate medical and health sciences students in rural communities
- Nationally cited Rural Opportunities in Medical Education (ROME Program)



Master of Public Health Program

- First in the state partnership of two educational institutions in providing a new master's level degree program



- UND specialization areas:
 - Health Management and Policy
 - Population Health Analytics
- UND just received accreditation by CEPH (first in the state)

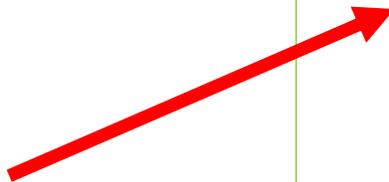
Rural Health

- Center for Rural Health is one of the nation's best
- Home to the only national Rural Health Information Hub
- Improve health in rural communities through community medicine and prevention programs
- Extensive research on the healthcare needs of people in rural communities
- Promulgate rural health policy



Service to the Community

- RuralMed
- Rural Opportunities In Medical Education (ROME)
- Center for Rural Health
 - SCRUBS Academy and camps
- Rural residencies
- Rural Surgery Support Program
 - Provides temporary surgical support and coverage
- SIM-ND
 - Provides simulator training in vans to each quadrant of the state



Does your community have difficulty recruiting and retaining surgeons?



Our Rural Surgery Support Program can help meet your community's surgical needs!

UND SCHOOL OF MEDICINE & HEALTH SCIENCES
UNIVERSITY OF NORTH DAKOTA 

We Practice What We Preach!



Please join us for the next *Joggin' with Josh* on September 15 at 4:00 p.m.



Healthcare Workforce Initiative

Healthcare Workforce Initiative

- Reduce disease burden
 - Master of Public Health degree programs (UND and NDSU)
 - Further programming approaches under study to address mental and behavioral health issues in the state
- Retain more healthcare provider graduates for North Dakota
 - RuralMed Program
 - UND SMHS recognized as No. 1 in the nation for the percentage of its graduating class going into family medicine

Healthcare Workforce Initiative

- Train more healthcare providers
 - Medical student class increased by 16/year (total of 64)
 - Health sciences students increased by 30/year (total of 90)
 - Resident slots increased by 17/year (target to be achieved later this decade according to current plan; total of 51)
- Improve efficiency of healthcare delivery system
 - Training in interprofessional healthcare teams
 - Use of “learning communities” in new building

Implementation of Healthcare Workforce Initiative

- Expanded medical student academic programs
 - Minot Integrated Longitudinal Experience (MILE) Program for third-year medical students
- New residency programs
 - UND Surgery Rural Residency
 - St. Alexius Hospitalist
 - UND/St. Alexius Geriatrics
 - UND Bismarck CFM Rural Track: Hettinger
 - UND Minot CFM Rural Track: Williston
 - Altru Family Medicine Rural Track: Devils Lake
 - UND psychiatry (telemedicine)

Implementation of Healthcare Workforce Initiative

- New residency programs approved
 - *Sanford (UND) Family Medicine (Fargo) – on hold*
 - UND Psychiatry Rural Track (Telemedicine)
 - *UND Geriatrics – on hold*

Our Goals

- To be the best community-based school in the country
- To continue to be an innovator in education (with a focus on interprofessional teams)
- To continue to develop focused programs of research excellence
- To serve the people of North Dakota and beyond
 - Rural health
 - Healthcare workforce
 - Primary care (especially family medicine)
 - Health advocacy
 - Interprofessional care

How Are We Doing? And Where Do We Hope to Go?

- Annual report prepared in December of each year and widely distributed (internally and externally)
- Called *Vital Signs*, is a way for stakeholders to “take the pulse” of the UND SMHS
- Incorporates a variety of objective metrics to assess the progress of the School in meeting its educational, research and scholarly, and service missions and obligations

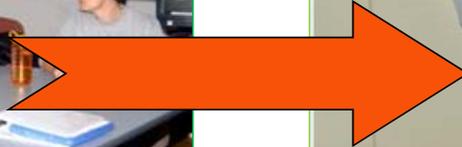
Metrics of Success

- Educate
 - Medical and health sciences graduates meet or exceed accepted standards on nationally recognized exams measuring academic progress
 - Exceed national average of medical students going into family medicine by 100% (i.e., at least double)

Metrics of Success

- Discover (Research)
 - By 2020 rank #1 in sponsored funding of all public community-based medical schools in the US
 - Currently in the top quarter (22nd percentile)
- Service (Healthcare Workforce Initiative)
 - Ensure an adequate supply and distribution of healthcare providers throughout ND and the region by 2025
 - Generate at least an additional \$2 of funding for every \$1 of appropriated funding (ROI of 200%)

Our Mission for the last 100 years:





© LINE THREE STUDIO

Healthcare Workforce Initiative

Update Summer 2016

The HWI is designed to help meet North Dakota's healthcare delivery issues by utilizing four foundational approaches:

- Reduce disease burden, thus lowering the demand for healthcare services and related costs.
- Retain more physician and other healthcare provider graduates for clinical practice within the state.
- Train more physicians and other healthcare providers by increasing the medical, health sciences, and resident class sizes.
- Improve the efficiency of the healthcare delivery system in North Dakota.

Reducing Disease Burden

- New Department of Population Health with inaugural chair Gary Schwartz established.
 - Master of Public Health Program received full accreditation from Council on Education for Public Health in June 2016. Forty-four students are currently enrolled (as of 6/1/16).
- New Department of Geriatrics with inaugural Eva L. Gilbertson, MD, Distinguished Chair Donald Jurivich established.

Training More Physicians and Healthcare Providers

- Increased medical school class size by 16/year (total of 64).
- Increased health sciences class size by 30/year (total of 90).
- Expanded residency programs offering:
 - Rural surgery
 - Rural family medicine (Minot/Williston and Bismarck/Hettinger)
 - Tele-psychiatry

- Hospitalist (Bismarck)
- Inaugural geriatrics fellowship (Bismarck) in the process of applying for accreditation
- Family Medicine (Fargo) on hold (allotment)
- Geriatrics fellowship (Fargo) on hold (allotment)

Retaining More Graduates

- RuralMed Scholarship Program has 20 students enrolled, all destined for practice in rural North Dakota

Improving the Efficiency of the Healthcare Delivery System

- Our new building will facilitate better training of a wide spectrum of healthcare students in optimal methods of interprofessional healthcare delivery. Construction of the new building is 99% complete with 87% of faculty/staff moved in (as of 7/22/16), and classes for first-year medical students will begin Aug. 1. Second-year medical students will begin Aug. 8, and all other classes will begin Aug. 22.
 - New building continues to be on time and on budget.

Other Updates

- LCME accreditation fully approved with next visit scheduled for 2022.
- *Fourth Biennial Report* data being compiled, to be released December 2016.
- *Vital Signs* data being compiled, to be released by December 2016.

