



VITAL SIGNS

2014 COMMUNITY REPORT

UND SCHOOL OF MEDICINE
& HEALTH SCIENCES
UNIVERSITY OF NORTH DAKOTA

EDUCATE DISCOVER SERVE

LEADERSHIP

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EDUCATE, DISCOVER, SERVE

A Community-Based School of Medicine and Health Sciences

UND is one of 28 medical schools in the country that is community-based, meaning we don't own or operate our own hospital. Rather, we partner with healthcare providers in the community to educate our students.

Basic Medical Sciences

Doctor of Philosophy and Master of Science degrees are available in the following disciplines:

- Anatomy and Cell Biology
- Biochemistry and Molecular Biology
- Microbiology and Immunology
- Pharmacology, Physiology, and Therapeutics

Medical Doctor (MD) Program

All medical students spend their first two years in Grand Forks. They learn through lectures, laboratories, patient simulations, and in patient-centered-learning groups, where basic and clinical sciences are taught in the context of patient cases. They then spend two years of clinical training in Bismarck, Fargo, Grand Forks, Minot, or a rural community through the Rural Opportunities in Medical Education (ROME) Program.

MD/PhD Scholars Program

Outstanding students are prepared for careers in academic medicine and research. Students pursue original research in laboratories or clinical settings with members of the graduate faculty while also completing the medical school curriculum.

Master of Public Health

Raymond L. Goldsteen, DrPH, is the director of the School's Master of Public Health program, a unique graduate program offered by the University of North Dakota (in conjunction with North Dakota State University) that serves North Dakota and the Northern Plains.

Students can specialize in either health management and policy or population health analytics. Both specializations emphasize rural health issues and the development of excellent critical thinking, analytical, and communication skills. The inaugural Master of Public Health degree class started in the fall of 2012 and graduated in 2014.

The program is taking the lead in developing the Center for Comparative Effectiveness Analytics; its mission is to improve population health in North Dakota and the Northern Plains through research on the quality, value, accessibility, and effectiveness of healthcare and public health. The Center will develop public and private collaborations, as well as seek more typical academic funding from government and foundations.

Health Sciences

Athletic Training

- Four-year Bachelor of Science

Medical Laboratory Science

- Four-year Bachelor of Science or post-baccalaureate certificate
- Categorical Certificate
- Master of Science
- More than 60 clinical training sites in 10 states; more than half in North Dakota and the surrounding region

Histotechnician Certificate

Occupational Therapy

- Five-year Master of Occupational Therapy

Physician Assistant Studies

- Two-year Master of Physician Assistant Studies

Physical Therapy

- Three-year pre-physical therapy and three-year Doctor of Physical Therapy

EDUCATE

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.

—North Dakota Century Code

The University of North Dakota School of Medicine and Health Sciences is a national leader in rural health—serving North Dakota since 1905

Areas of Strength

Your School of Medicine and Health Sciences educates healthcare providers and scientists and strives to discover new knowledge to serve North Dakotans.

The School has a well-deserved reputation for excellence as one of 28 community-based medical schools in the country, which gives our medical and health sciences students the chance to practice in hospitals and clinics across North Dakota. The School is grateful for the more than 1,000 part-time or volunteer clinical faculty in over 30 communities throughout the state who help to educate medical students and residents. There are four clinical campuses located in Bismarck, Fargo, Grand Forks, and Minot. Health sciences students receive training not only here in North Dakota but also across the country, including an occupational therapy campus in Casper, Wyoming, and a medical laboratory science campus at Mayo Clinic in Rochester, Minnesota.

The UND School of Medicine and Health Sciences *educates* students to focus on patients and communities

- The School's patient-centered-learning curriculum is nationally recognized for producing caring, patient-centered, and dedicated practitioners.
- At the forefront of medical education, the School uses the latest in simulation technology for teaching and serves as a valuable resource for healthcare professionals throughout North Dakota and the region.
- An interprofessional healthcare course makes the School a national leader in providing students with a strong practical understanding of the various healthcare professionals on their team.
- Medical students and residents provide direct care to North Dakotans through the Centers for Family Medicine in Bismarck and Minot as well as through clerkships in communities throughout the state.
- Health sciences students provide direct care and services through internships in healthcare facilities across North Dakota.

DISCOVER, SERVE

The UND School of Medicine and Health Sciences *discovers* new knowledge to transform lives through research

The School has facilities for the study of drug addiction and neurodegenerative diseases such as Parkinson's, Alzheimer's, multiple sclerosis, epilepsy, and others.

Jau-Shin Lou, MD, PhD, MBA, a prominent neurologist, was named the founding chair of the Dr. Roger Gilbertson Endowed Chair of Neurology at the University of North Dakota School of Medicine and Health Sciences. Lou joined the Department of Neurology at the Oregon Health and Science University School of Medicine in Portland in 1999 and served as a teacher, clinician, and scientist. Most recently, he served as a professor and director of the ALS/Neuromuscular Diseases Center and Electromyography Laboratory. Lou is widely recognized for his clinical trials in Lou Gehrig's disease (amyotrophic lateral sclerosis or ALS) and fatigue associated with Parkinson's disease.



Lou will teach medical students and post-MD residents in addition to his administrative responsibilities in neurology. In addition, Dr. Lou spends half of his time seeing patients with neurological problems at Sanford Health in Fargo. He also serves as the chair of Sanford's Neurology department.

The UND School of Medicine and Health Sciences *serves* North Dakota

- The School improves the health and healthcare of North Dakotans through research, community engagement, and prevention programs.
- Direct primary care to North Dakotans is provided through its family medicine clinics in Bismarck and Minot.
- The School leads the nation in rural health through the Center for Rural Health, one of the nation's best. It is home to seven national programs: the National Resource Center on Native American Aging, the National Indigenous Elder Justice Initiative, the Rural Assistance Center, the Rural Health Research Gateway, the Rural Health Reform Policy Research Center, the Seven Generations Center of Excellence in Native Behavioral Health, and TruServe, a web-based information tracking system that is now used by most State Offices of Rural Health. The Center is a UND Center of Excellence in Research, Scholarship, and Creative Activity, and in 2013 was awarded the UND Departmental Award for Excellence in Research.
- The Master of Public Health program is training students to contribute to prevention of disease and disability and to improvement of health and healthcare in North Dakota and the Northern Plains. The program's educational and service goals are achieved through partnerships within UND, including with medicine and the health sciences, public administration, geography, environmental health sciences, and engineering, as well as with state and local public health departments, health systems, and insurers.
- The School is a major provider of healthcare practitioners for the state of North Dakota, especially family physicians practicing in rural areas.

EDUCATE

Student Enrollments by Major Fall 2014

Basic Sciences

Anatomy and Cell Biology (Graduate—Master and Doctoral)	9
Biochemistry and Molecular Biology (Graduate—Master and Doctoral, includes Pathology)	20
Microbiology and Immunology (Graduate—Master and Doctoral)	11
Pharmacology, Physiology, and Therapeutics (Graduate—Master and Doctoral)	15
	Total 55

Medical Doctor

Year 1—Class of 2018	79
Year 2—Class of 2017	67
Year 3—Class of 2016	74
Year 4—Class of 2015	57
	Total 277

Residents

(Post-MD degree training in family medicine, internal medicine, surgery, psychiatry, and transitional)	Total 105
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Health Sciences

Athletic Training	
Pre-Athletic Training	32
Bachelor of Science	37
Medical Laboratory Science	
Pre-Medical Laboratory Science	59
Certificate	80
Bachelor of Science	117
Master of Science	52
Occupational Therapy	
Pre-Occupational Therapy	134
Professional Year I (Undergraduate)	58
Professional Year II (Undergraduate)	52
Professional Year III (Graduate—Master)	49
Physical Therapy	
Pre-Physical Therapy	241
Doctoral	150
Physician Assistant (Graduate—Master)	59
Public Health (Graduate—Master)	22

Total 1,142

When the School's Healthcare Workforce Initiative (HWI) is fully implemented in the 2017–2018 academic year, 64 additional medical students (16 per year), 90 health sciences students (30 per year), and 51 residents (post-MD degree trainees, with 17 per year added) will be educated. And to house these 205 new trainees (not to mention the requisite added faculty and staff), we are building a new medical school and health sciences facility in which to house everyone. In addition to expansion of class sizes, the HWI utilizes a number of strategies to maximize success in increasing North Dakota's healthcare workforce:

- Eighty percent of students accepted to medical school are North Dakota residents, weighted toward those from rural areas.
- Tuition forgiveness for those who commit to practice primary care in a rural community.
- Increased longitudinal experiences in rural communities.
- Increased geriatrics and public health focus.

Department of Physical Therapy



Tom Mohr, PT, PhD, Chester Fritz Distinguished Professor and chair of the Department of Physical Therapy at the University of North Dakota School of Medicine and Health Sciences, has been named associate dean for Health Sciences, a new position at the School. David Relling, PT, PhD, associate professor of physical therapy, will be the new chair of the Department of Physical Therapy. Mohr and Relling assumed their new positions on July 1, 2014.

“I’m extremely pleased with these two appointments,” said UND Vice President for Health Affairs and SMHS Dean Joshua Wynne, MD, MBA, MPH. “Tom was ready for a new challenge after doing an exceptional job as PT chair for 21 years, and Dave has demonstrated his outstanding clinical, pedagogical, and administrative skills. I was confident that internal searches for both positions would identify outstanding candidates, and I am delighted with the developments. And having Tom take on the role of associate dean for Health Sciences means that the School’s single largest group now has one of its own leading all of the health sciences programs.”



The Master of Public Health Class of 2014 (from left) Makenzie McPherson, Lucy Nevanen, Lydia Albjerg, Heather Jackson, and Pearl Walker.

In addition to undergraduate and graduate students enrolled in programs offered by the School of Medicine and Health Sciences, faculty also teach basic science courses to undergraduate students who will become nurses, dietitians, teachers, and forensic scientists.

Total undergraduate student enrollment for the fall of 2014 was 780.

EDUCATE

Our goal is for our students in the health sciences and medicine to meet or exceed the accepted standard on nationally recognized exams measuring academic progress.

School of Medicine and Health Sciences Student Performance on Nationally Recognized Exams

Program	UND Pass Rate	National Pass Rate
Athletic Training	85%	75%
Medical Laboratory Science	96%	78%
Histotechnology	100%	74%
Occupational Therapy*	98%	84%
Physical Therapy	100%	93%
Physician Assistant	98%	93%
Medical Student		
Step 1		
Basic Science	98%	96%
Step 2		
Clinical Knowledge	95%	98%
Clinical Skills	100%	98%
Step 3		
Independent Clinical Practice	96%	96%

Sources: Data are from the most recent examination in each respective area.

* Rates are for first-time test takers from Grand Forks, N. Dak., and Casper, Wyo., campuses.

EDUCATE

The University of North Dakota School of Medicine and Health Sciences received the American Academy of Family Physicians Top 10 Award for UND's consistent contributions to building the family physician workforce.

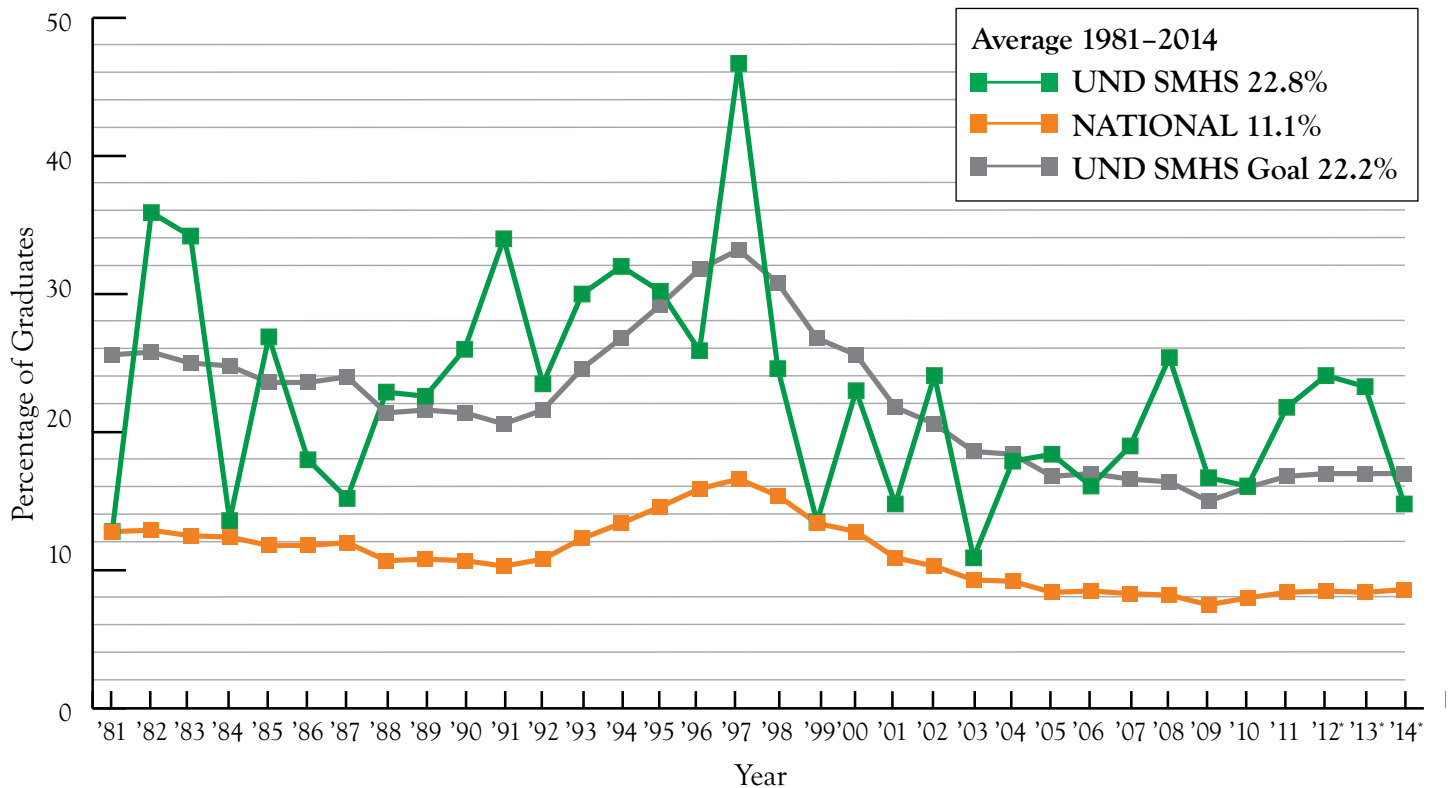
The award, presented during the Society of Teachers of Family Medicine Annual Spring Conference, marks the fourth consecutive year the School has received the honor.

“Four consecutive years of recognition says much about their focus on educating students to meet the needs of North Dakota.”

—Stan Kozakowski, Director of Medical Education,
American Academy of Family Physicians

Our goal is to exceed the national average of students going into family medicine by 100 percent.

Graduates Entering a Family Medicine Residency 1981–2014



Sources:
Division of Education
Division of Research and Information Services
American Academy of Family Physicians

Department of Family & Community Medicine
University of North Dakota 4/14

*U.S. seniors successfully matching in the
National Resident Matching Program

EDUCATE

Growing Our Own

Innovative Programs to Produce Healthcare Providers for North Dakota

Healthcare Workforce Initiative (HWI)

Thanks to the generous support of the 2013 North Dakota Legislature and strong leadership from Governor Jack Dalrymple and Lt. Governor Drew Wrigley, the School is implementing the Healthcare Workforce Initiative (HWI) and constructing a new \$124 million home. The HWI is a four-pronged plan to help address North Dakota's healthcare workforce needs now and in the future by reducing disease burden, retaining more of our graduates for practice in North Dakota, training more practitioners, and improving the efficiency of our healthcare delivery system.

RuralMed

RuralMed is a tuition waiver program (or scholarship) designed to encourage medical students to select careers in family medicine and increase the number of family medicine providers for rural North Dakota. Students accepted for the RuralMed Program have the entire cost of tuition waived in return for their practicing in North Dakota. Students will not have to borrow money for tuition and accrue interest for medical education. Currently, 26 students are accepted or enrolled in the program, and all are destined for rural practice in North Dakota.

INMED

The Indians into Medicine Program (INMED), which was established in 1973, is a comprehensive program designed to assist American Indian students who aspire to be health professionals to meet the needs of our Indian communities and to serve reservation populations. INMED has assisted approximately 20 percent of U.S. American Indian physicians with their education.

ROME

Rural Opportunities in Medical Education (ROME) is a 24–28 week interdisciplinary experience in a rural primary care setting that is open to third-year students at the School of Medicine and Health Sciences. Students live and train in nonmetropolitan communities under the supervision of physician preceptors. ROME students experience healthcare delivery in rural areas throughout the state of North Dakota, where providing access to healthcare is sometimes challenging. Students learn about problems commonly encountered in primary care, from routine health maintenance to medical emergencies and rare and unusual diagnoses. Each primary preceptor is board-certified in family medicine, but students also work with board-certified surgeons, internists, pediatricians, and other specialists available in the community.

Interprofessional Healthcare Course (IPHC)

The course includes eight allied health professions on campus and is run on a collaborative model that doesn't assign a "higher" value to any one profession or specialty over any other. Almost 2,000 students have completed the course.

The IPHC is modeled on the School's acclaimed patient-centered learning small-group curriculum. The focus of the course is to learn about the role of other healthcare professionals and how to interact as a healthcare team. Eight disciplines are involved in the course: medicine, nursing, occupational therapy, physical therapy, music therapy, communication sciences and disorders, social work, and nutrition and dietetics.

The goal of IPHC education is collaborative practice. Students learn every person on a team is a patient advocate, which significantly reduces errors in the healthcare system and that leads to improved cost efficiency, an appropriately important issue for the twenty-first century.

Minot Integrated Longitudinal Experience (MILE)

A clerkship is a course of clinical training that third- and fourth-year medical students undertake in specialty areas. In the summer of 2012 in Minot, the first cohort of medical students undertook an integrated, longitudinal experience.

Students work with preceptors in each of the specialties; for example, spending a half day every week in the office with each primary care preceptor, less frequent office time with surgery and obstetrics and gynecology preceptors, balanced by operating room and delivery room time, and regular emergency department shifts. An important feature of the new MILE is that students develop a panel of patients whom they follow throughout the year, accompanying them to consultant visits and procedures, and following them through hospitalizations.

Ample evidence from several schools shows that students in longitudinal, integrated clerkships perform as well or better on standardized tests than their traditional counterparts, and MILE students increase in their patient-focus through the year, while traditional students decrease in this important measure of attitude.

R-COOL-Health Scrubs Camps

Rural Collaborative Opportunities for Occupational Learning in Health (R-COOL-Health) Scrubs Camps are one-day learning experiences where students are able to explore healthcare careers from their local healthcare providers through hands-on, interactive activities. Since the program's start in 2010, 3,208 students, 1,367 volunteers, and 279 communities have participated in the Scrubs Camp program. Students who have participated in Scrubs Camps have learned about various healthcare careers and participated in interactive activities, including dissecting pig hearts, typing blood samples, and participating in mock emergency scenarios.

R-COOL-Health Scrubs Academy

Fifty-one North Dakota junior high students participated in the fourth annual Scrubs Academy, held at the University of North Dakota campus, June 10-12. Students participated in a dissection, explored the inside of a 32-foot inflatable colon, and learned more about anatomy, medical laboratory science, emergency medical services, mental health, occupational therapy, physical therapy, public health, nutrition, music therapy, radiology, and other health careers. As part of the academy, students received CPR training and became certified in the Health Insurance Portability and Accountability Act (HIPAA). Most health facilities in North Dakota require that students be HIPAA-certified before allowing them to job shadow, and job shadowing is an important step in selecting a career path. Students also were given the opportunity to explore and learn more about the School of Medicine and Health Sciences, the UND campus, and the Grand Forks community.

North Dakota Area Health Education Center (AHEC)

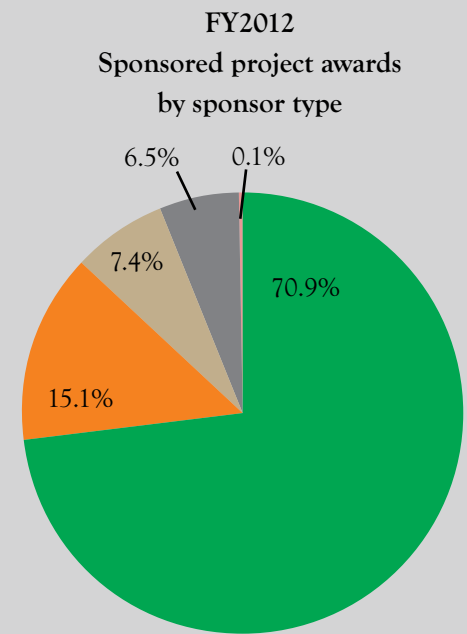
The North Dakota AHEC addresses critical healthcare workforce shortages in the state. Without an adequate workforce, access to essential health and medical services and the quality of care will suffer. With regional centers located in Hettinger and Mayville to serve the western and eastern parts of the state, North Dakota AHECs work with students in kindergarten through college, rural communities, medical professionals, and educators. The North Dakota AHEC program has provided over 31 hours of continuing education to 143 participants. In addition, the AHECs have provided funding for health career fairs, career awareness activities, and various training programs, to 2,716 students. Learn more about North Dakota AHECs by visiting <http://www.ndahec.org>.

DISCOVER

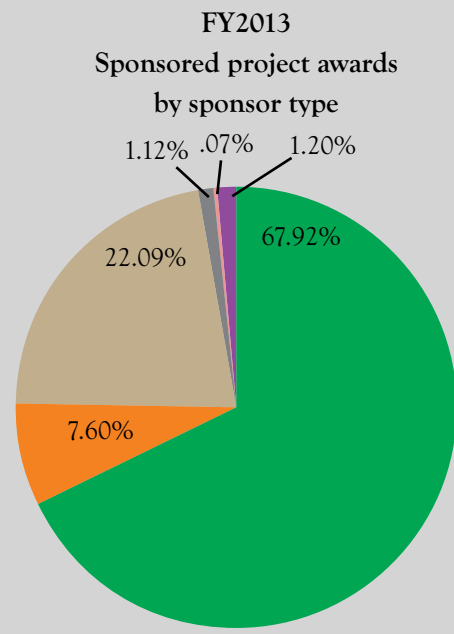
For fiscal year 2014 (July 1, 2013–June 30, 2014), total research funding was \$20,672,896, which was almost 7 percent higher than the average for fiscal years 2003 through 2013. Of the 28 community-based medical schools in the United States, the SMHS is ranked in the top half of schools in external funding for sponsored projects. The School’s goal is to be No. 1.

Studying Issues that Matter to North Dakotans

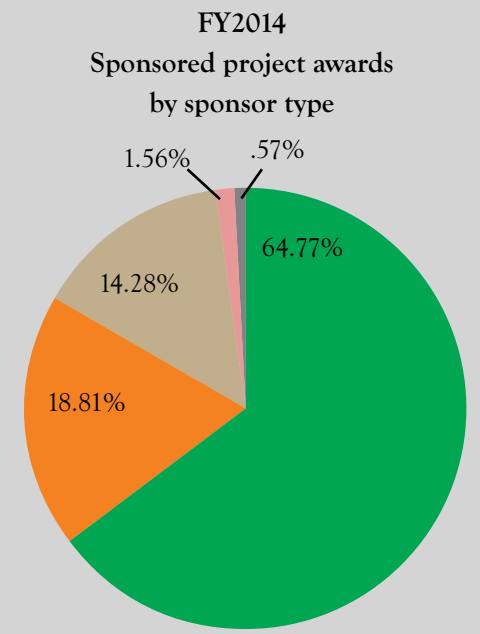
- Molecular and genetic bases of diseases
- Immune and inflammatory diseases
- Drug discovery and targeted therapeutics
- Applied microbiology



Total number of proposals.....160
Total number of awards.....97
Total funding.....\$12,230,393

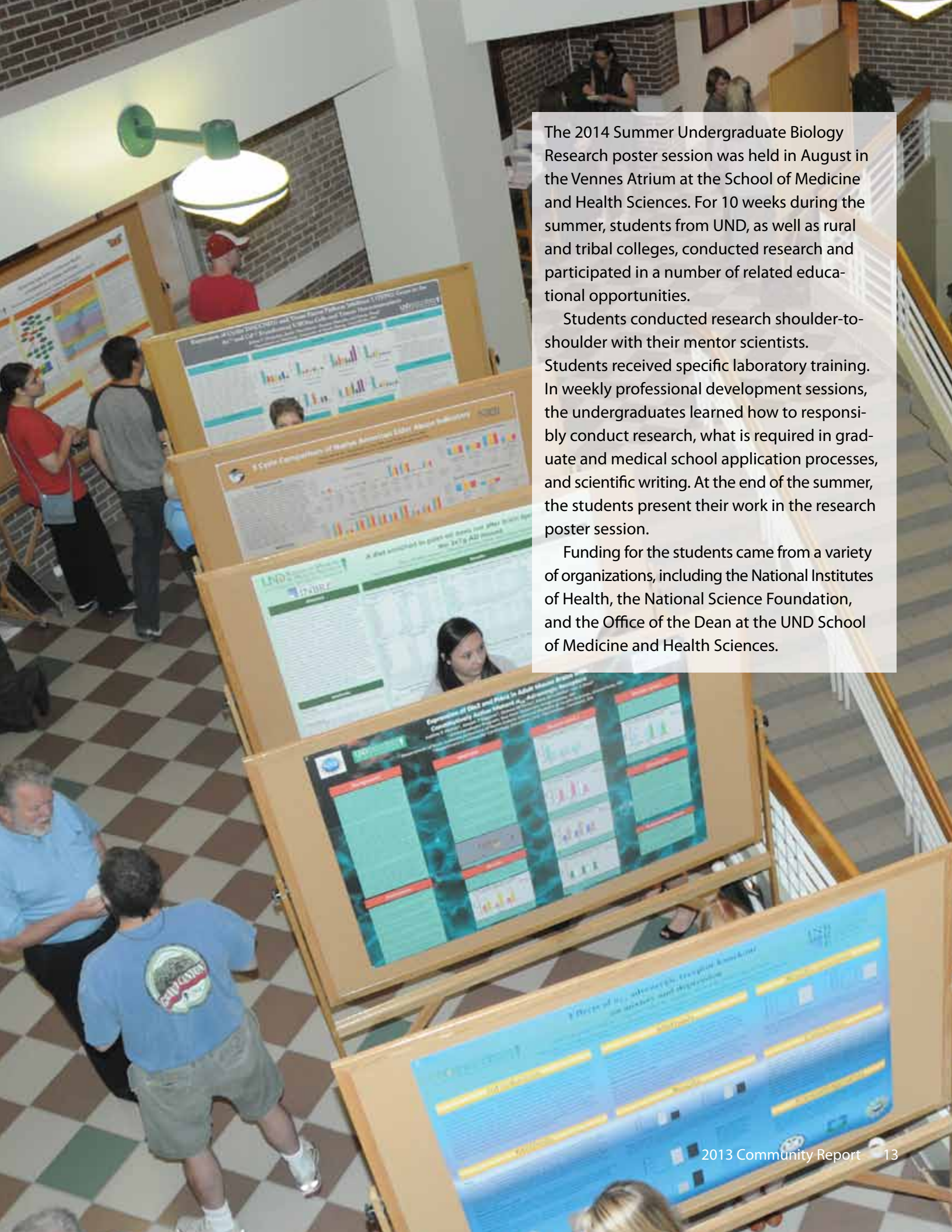


Total number of proposals.....137
Total number of awards.....93
Total funding.....\$27,118,802



Total number of proposals.....145
Total number of awards.....92
Total funding.....\$20,672,896

■ Federal
 ■ State
 ■ Private (Other)
 ■ Foundation
 ■ Private (Industry)
 ■ Voluntary Health



The 2014 Summer Undergraduate Biology Research poster session was held in August in the Vennes Atrium at the School of Medicine and Health Sciences. For 10 weeks during the summer, students from UND, as well as rural and tribal colleges, conducted research and participated in a number of related educational opportunities.

Students conducted research shoulder-to-shoulder with their mentor scientists. Students received specific laboratory training. In weekly professional development sessions, the undergraduates learned how to responsibly conduct research, what is required in graduate and medical school application processes, and scientific writing. At the end of the summer, the students present their work in the research poster session.

Funding for the students came from a variety of organizations, including the National Institutes of Health, the National Science Foundation, and the Office of the Dean at the UND School of Medicine and Health Sciences.

SERVE

Since 2010, through funding from the state Legislature, the Center for Rural Health helped communities hold 50 Scrubs Camps and 4 Scrubs Academies for 3,398 children across North Dakota. Scrubs Camps are one-day learning experiences for kids to learn about health professions; the Scrubs Academies are four-day experiences held at the School of Medicine and Health Sciences for middle-school students.



The Center for Rural Health at the School of Medicine and Health Sciences provides services to all 53 counties and 100 communities in North Dakota. The Center provides technical assistance to all 38 rural hospitals, 36 of which are critical access hospitals. The assistance is focused on improving access to care, viability of rural health systems, quality of care, and rural health system development. Direct grants to health organizations in North Dakota awarded and administered through the Center for Rural Health totaled \$1,353,161 for FY 2010, \$1,812,459 for FY 2011, \$1,556,381 for FY 2012, \$1,763,662 for FY 2013, and \$1,365,904 for FY2014.

FY 2012

- \$573,293 to rural hospitals for health services development or expansion (FLEX, SHIP, Frontier).
- \$983,088 for workforce development (funding sources were federal area Health Education Center grant, federal Student/Resident Experiences and Rotations in Community Health grant, and state appropriations).

FY 2013

- \$778,229 to rural hospitals for health services development or expansion (federally supported Rural Hospital Flexibility program and Small Hospital Improvement Program, Quality Improvement Network, KOGNITO-mental health screening, Frontier Community Health Improvement, and Hospital Stroke program).
- \$691,033 for Health Workforce Development (federally supported Area Health Education Center, Student/Resident Experiences and Rotations in Community Health, state appropriations for Scrubs Camps, Scrubs Academy, and workforce development assistance to rural communities).
- \$294,400 (funding source is Blue Cross Blue Shield of North Dakota's Rural Health Grant Program to increase physical activity for all ages).

FY 2014

- 665,278 to rural hospitals for health services development or expansion (federally supported Rural Hospital Flexibility Program and Small Hospital Improvement Program, Quality Improvement Network, KOGNITO-mental health screening, Frontier Community Health Improvement, and Hospital Stroke Care Program).
- \$700,626 for Health Workforce Development (federally supported Area Health Education Center, Student/Resident Experiences and Rotations in Community Health, state appropriations for Scrubs Camps, Scrubs Academy, and workforce development assistance to rural communities).



SMHS Dean Joshua Wynne, a practicing cardiologist, teaches two Scrubs Academy students how to dissect a pig heart.

EDUCATE

More than 620 Practicing Physicians Serving North Dakota Communities Received Their Education at UND

Percentages of Healthcare Providers Practicing in North Dakota who are Graduates of the University of North Dakota School of Medicine and Health Sciences

Athletic Trainers	20%
Occupational Therapists	52%
Medical Laboratory Scientists	40%
Physician Assistants	51%
Physical Therapists	54%

Data were collected from North Dakota state licensing boards and academic departments.

Percentages of Physicians Practicing in North Dakota who are Graduates of the UND School of Medicine and Health Sciences

All Specialties	40%
Family Medicine	67%
Internal Medicine	48%
Obstetrics and Gynecology	57%
Pediatrics	37%
Psychiatry	42%

Source: Medical Marketing Service. (2013). *AMA Master File, 2013*. [Data file]. Wood Dale, IL: Medical Marketing Service.

The School of Medicine and Health Sciences Alumni

Medical Laboratory Scientists	2,052
Athletic Trainers	206
Doctor of Medicine	1,976
Physical Therapists	1,664
Occupational Therapists	1,741
Physician Assistants	1,721
Master of Public Health	5



The Department of Occupational Therapy partnered with the Anne Carlsen Center in Grand Forks to provide kids with autism or other sensory needs and their families a chance to visit with Santa in a low-key, safe environment on Saturday, December 14, 2013. Pramod Sukumaran, a postdoctoral research fellow in Dr. Brig Singh's laboratory in the Department of Basic Sciences, and Jonathan Berger, a program coordinator with Anne Carlsen community-based services, played Santa for the kids.

Participating from the Department of Occupational Therapy were Associate Professor Gail Bass, Department Chair Janet Jedlicka, Assistant Professor Sarah Nielsen, and OT students Lexie Marvel, Maranda Myrold, and Meg O'Brien. UND OT alumnae Bobbi Carrlson and Michelle Dudgeon, who work at the Anne Carlsen Center, also participated.

SERVE

A Stable Workforce

The School of Medicine and Health Sciences faculty turnover rate (faculty who have left their jobs) was 5.9% for FY 2013. In 2013, the average turnover rate for North Dakota University System faculty was 7.8%.

The School of Medicine and Health Sciences staff turnover rate was 11.6% for FY 2013. In 2013, the average turnover rate for North Dakota University System staff was 13.4%.

Benefited* Faculty and Staff for Fiscal Year 2012

Total Benefited Faculty—169
Full time—152; Part time—17

Total Benefited Staff—259
Full time—233; Part time—26

*Benefited appointment is 20 hours/week or more.

2014 Staff Recognition

At the 2014 Annual Staff Recognition Ceremony and Luncheon, UND staff employees with continuous, benefited employment at UND were recognized for their years of service. The following are the School of Medicine and Health Sciences' honorees:

40 Years of Service

Lonna Augustadt, Bismarck—Center for Family Medicine

Cynthia Iverson, Library of the Health Sciences

35 Years of Service

Sandra Ahonen, Clinical Neuroscience

Randy Eken, Administration and Finance

MaryBeth McGurran, Medical Laboratory Science

Kathleen Monley, Administration and Finance



Lonna Augustadt and Southwest Campus Dean Nicholas Neumann are shown at the Class of 2014 MD Commencement.



Leaders of the School promote the satisfaction and health of students, faculty, staff, and their families through novel activities, such as “Joggin’ with Josh,” hosted by Dean Joshua Wynne. In September, Dean Wynne started off with participants and had this to say:

“Chilly but warm! That’s the way I’d categorize the Joggin’ with Josh event. While the weather was cool with high temperatures only in the 50s, the event was warmly received even though it only drew about as many participants as the air temperature. We had a very pleasant walk, jog, or run around a five kilometer course that took us by the Ralph and the new building site. I was pleased to see participation from across campus as well from across the community. Thank you to all who participated!”

30 Years of Service

Linda Fleck, Bismarck–Center for Family Medicine
Michelle Graba, Center for Rural Health
Ruth Grzadzieleski, Family and Community Medicine
Diane Roney, Surgery
Tracey Steffes, Obstetrics and Gynecology
Kim Young, Basic Sciences

25 Years of Service

Connie Diede, Internal Medicine
Dianne Hamre, Library of the Health Sciences
Debra Kroese, Basic Sciences
Rhonda McDaniel, Physician Assistant Program
Cindy Stromme, Student Affairs and Admissions

20 Years of Service

Cynthia Carlson, Minot–Center for Family Medicine
Vonnie Sandland, Clinical Neuroscience
Victoria Swift, Information Resources

15 Years of Service

Mario Borboa, Information Resources
Stacy Sailer, Basic Sciences
Margaret Smith, Basic Sciences

10 Years of Service

Maxine Johnson, Bismarck–Center for Family Medicine
Naomi Lelm, Center for Rural Health
Kylie Nissen, Center for Rural Health
Carol Ritchie, Minot–Center for Family Medicine
Eric Walter, Information Resources

5 Years of Service

Linda Anderson, Academic Affairs
Donna Baumgartner, Bismarck–Center for Family Medicine
Jennifer Duffy, Student Affairs and Admissions
Brenda Lacher, Bismarck–Center for Family Medicine
Terri Lannoye, Bismarck–Center for Family Medicine
Joely Lee, Center for Rural Health
Tara McGraw, Bismarck–Center for Family Medicine
Wallace Muhonen, Basic Sciences
Hongyan Wang, Pathology

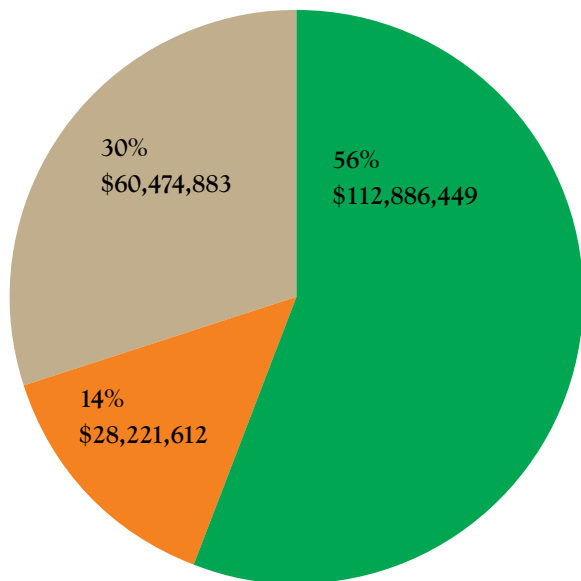
EDUCATE, DISCOVER, SERVE

Biennial budget is \$201,582,944 The majority comes from non-state sources such as grants, contracts, patient revenue, and tuition.

UND School of Medicine & Health Sciences

Expenditures: 2013-2015

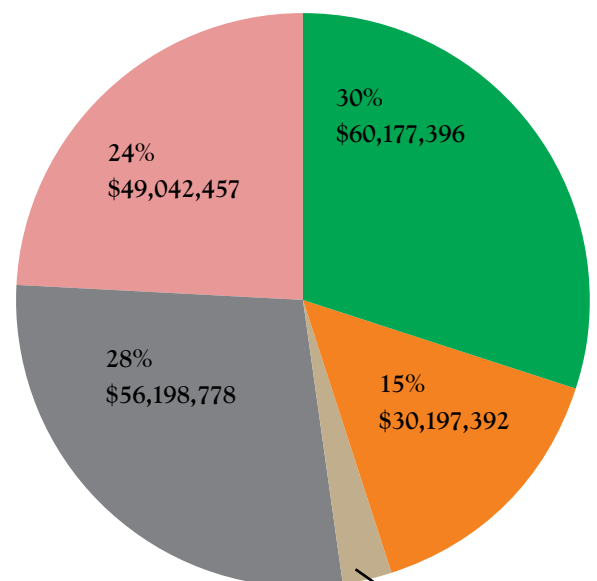
Total: \$201,582,944



- Salaries
- Fringe Benefits
- Operating & Equipment

Revenue: 2013-2015

Total: \$201,582,944



- State
- Tuition
- Mill Levy
- Patient & Education
- Grants & Contracts

For every \$1 appropriated to the School by the Legislature, the School will generate another \$2 in grants, contracts, and service revenues. The total economic impact of the SMHS over the next three biennia should exceed \$400 million.

The New School of Medicine and Health Sciences Building



The building will be a four-story facility with a north-south oriented “Main Street” around which will be clustered various educational classrooms, small-group rooms, lecture halls, simulation and gross anatomy labs, and other associated pedagogical support space. To the east will be a wing for faculty and administrative offices, and the west wing will house much of the School’s research enterprise. One of the features of the layout are the two offices that will be by the front door of the building to service the School’s two most important constituencies—students and the people of North Dakota who are footing the bill for the new facility. The Office of Student Affairs and Admissions will be front and center to welcome prospective and to assist current students. The Office of Alumni and Community Relations will similarly welcome and assist the public and alumni visiting the building. Dean Wynne very much hopes that the community will utilize their building, and to facilitate this, the architects designed a capacious learning hall (auditorium) right by the front entrance and adjacent to the two office suites. It is, after all, the people’s building.

You can see renderings and floor plans of the building at our construction website:

<http://www.med.und.edu/construction/renderings.cfm>.

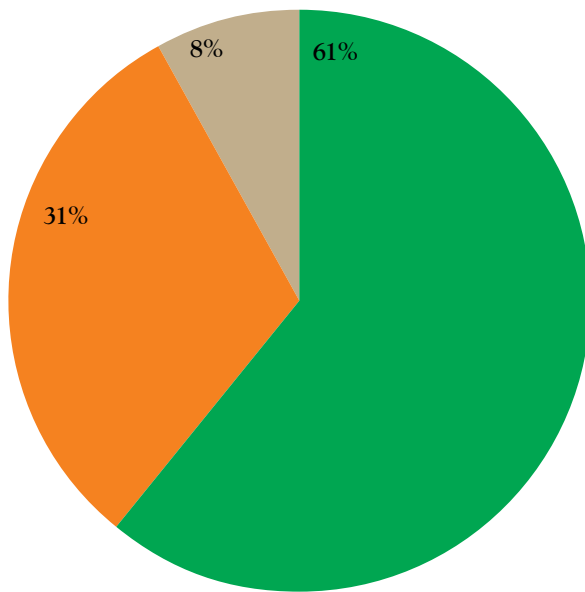
You can also view time-lapse video of the construction:

<http://oxblue.com/open/pcl/UNDSMHS>.

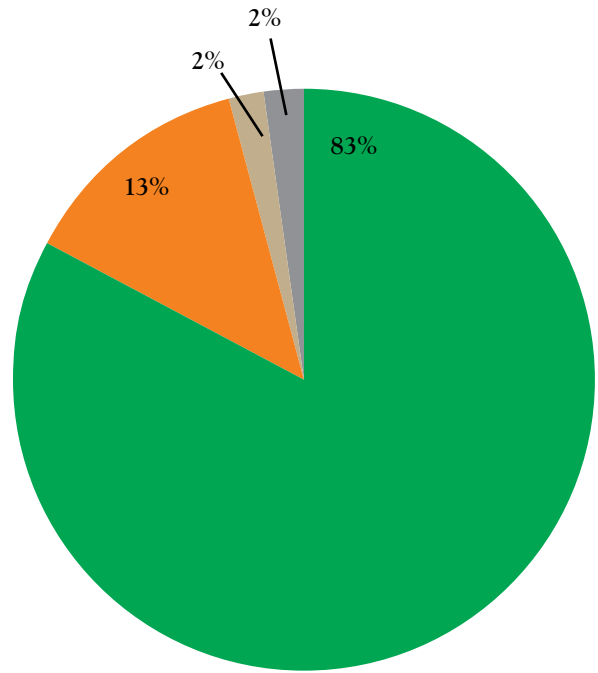
EDUCATE, DISCOVER, SERVE

Philanthropy

Sources of Donations Fiscal Year 2013



Retained Donors	587
Re-engaged Donors	297
New Donors	82
Total Donors:	966



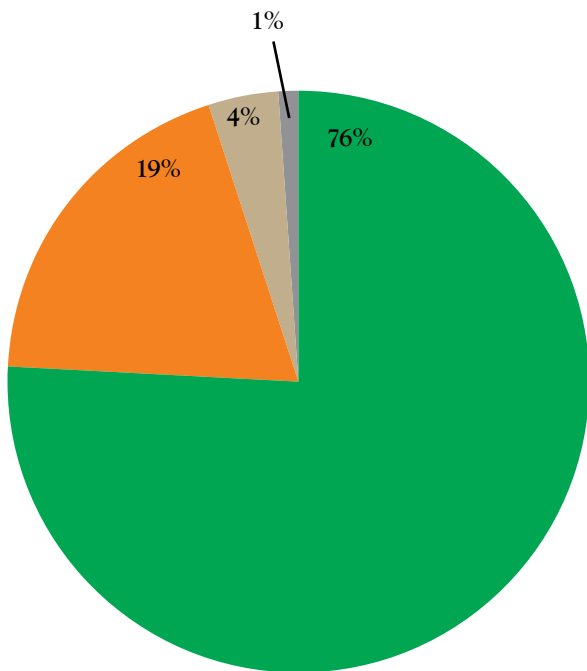
Alumni	800
Friends	122
Corporations/foundations/matching gifts	25
Other	19
Total Donors:	966

"I am proud to be a recipient of the Charles and Florence Magner Medical Scholarship this year. This scholarship is helping me achieve my dream of becoming a family medicine physician. Thank you for your generosity and believing in students like me."

Lacey Kessler
MD Class of 2014



Philanthropy Uses of Donations Fiscal Year 2013



Priority Needs	\$3,783,263
Students	\$926,418
Programs	\$183,075
Educators (faculty)	\$65,827
Total:	\$4,958,583



“Thank you for the Eleanor Ratcliffe scholarship. This scholarship will help me achieve my dream of graduating with a B.S. in Medical Lab Science. It will help lessen some of my financial stress and help me to concentrate more on my studies.”

Jozey Ledoux
Class of 2014 Medical Laboratory Science

Fiscal Year 2012

Retained Donors	626
Re-engaged Donors	224
New Donors	105
Total Donors: 955	

Alumni	788
Friends	131
Corporations/foundations/ matching gifts	18
Other	18
Total Donors: 955	

Faculty	\$ 1,044,122
Students	614,210
Priority Needs	337,497
Facilities	300,000
Programs	181,050
Total \$ 2,476,879	

Fiscal Year 2011

Retained Donors	700
Re-engaged Donors	237
New Donors	130
Total Donors: 1,067	

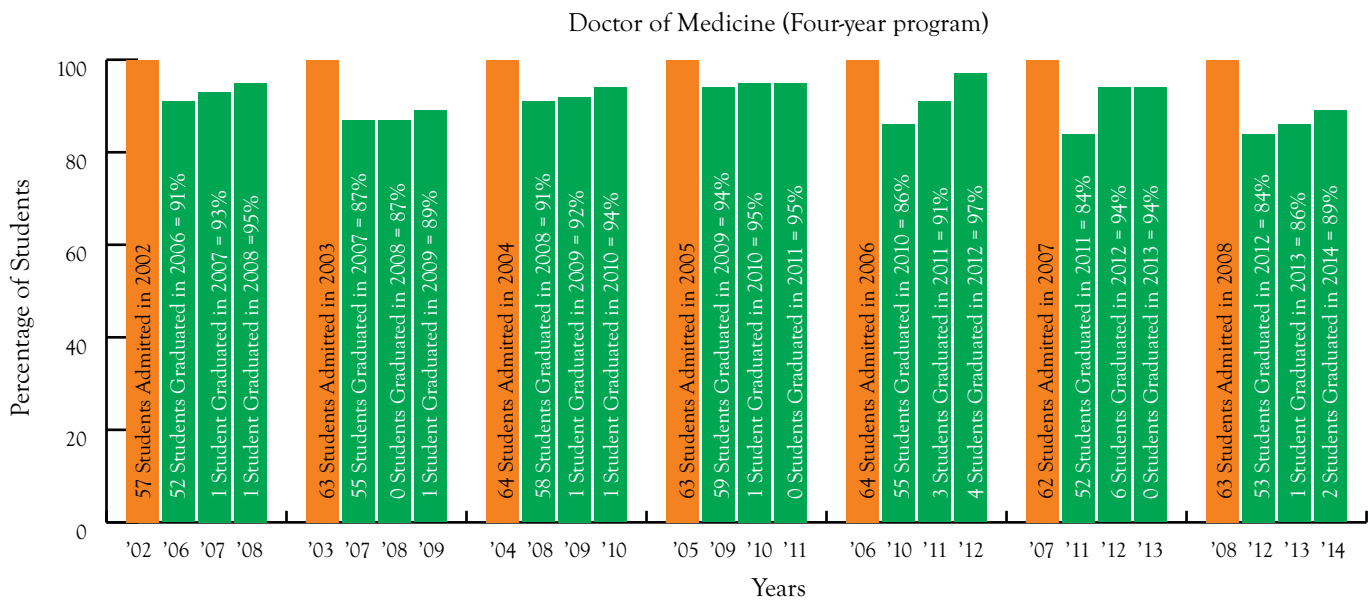
Alumni	847
Friends	142
Corporations/foundations/ matching gifts	27
Other	51
Total Donors: 1,067	

Students	\$ 376,473
Priority Needs	257,005
Programs	53,910
Faculty	53,166
Facilities	25,000
Total \$ 765,554	

EDUCATE

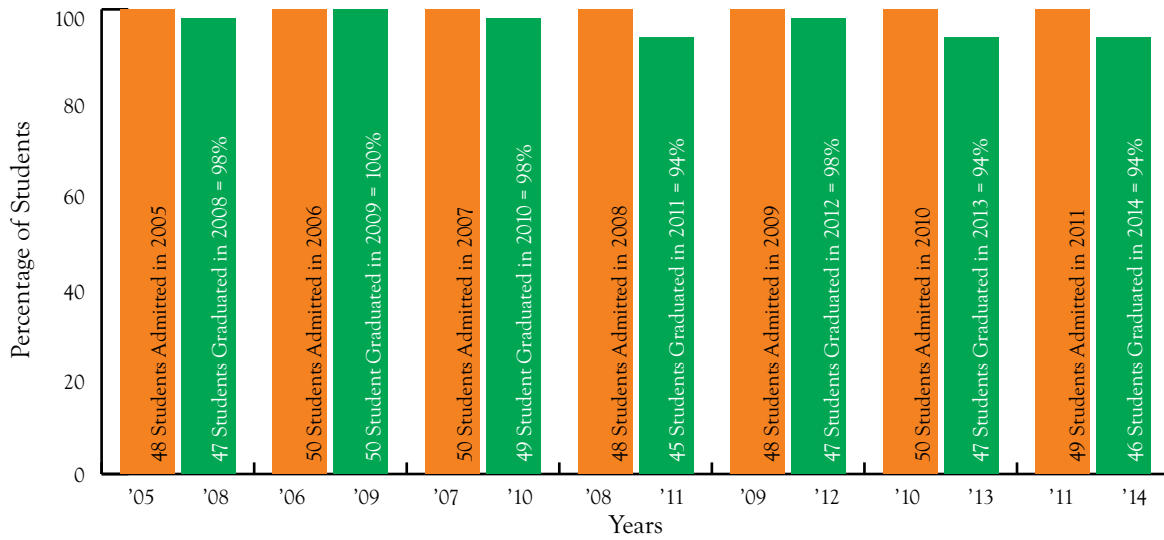
Completion rates* measure the full-time, first-time students who enrolled in a professional degree program and completed their degree within the maximum allowable time, which varies based on the program. For medical doctorate students at the School, the maximum time allowed to complete a four-year degree is six years. The national completion rate for medical students who graduate within seven years is 94 percent.

Our goal is to exceed the national benchmark for completion.

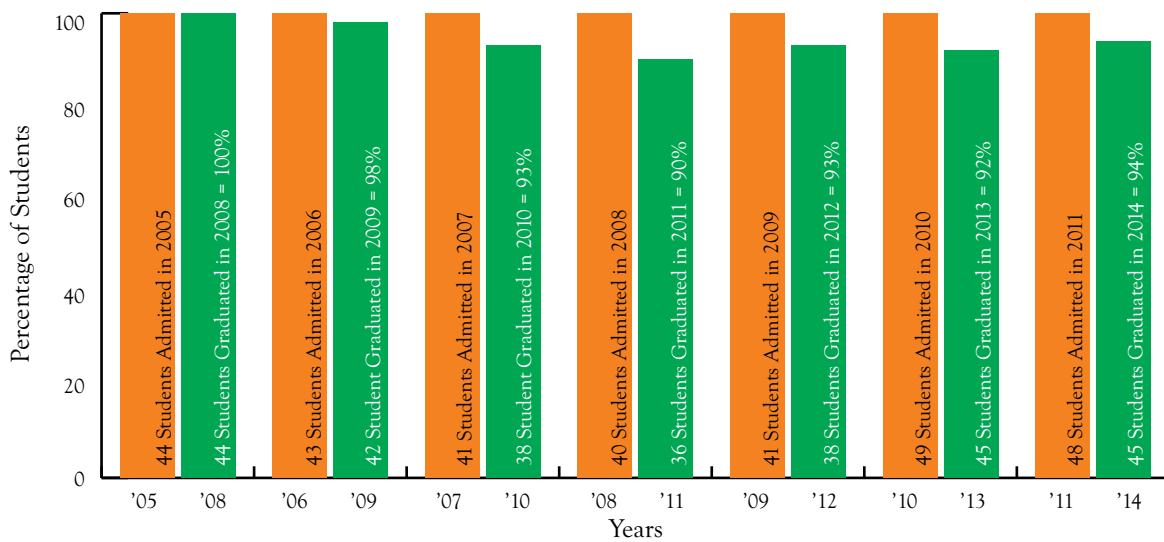


* Number Graduated/Number Admitted = Completion Rate

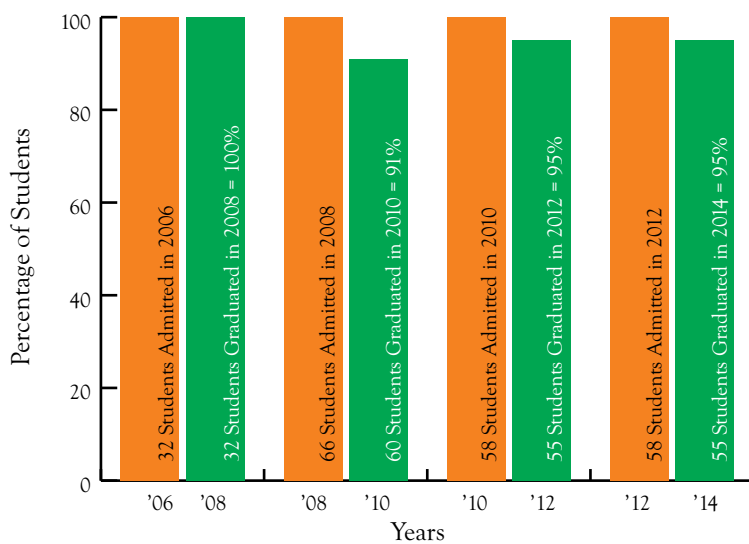
Doctor of Physical Therapy (Three-year program)



Occupational Therapy (Three-year program)



Master of Physician Assistant Studies



(Two-year program. Beginning with the class matriculating in 2006, the program accepted a class every other year, but has returned, effective with the class matriculating in 2012, to an annual admission structure.)

EDUCATE

Residency Training

Beyond the MD degree, the School of Medicine and Health Sciences provides residency training: a period of advanced intensive training for medical school graduates in their chosen medical specialty before independent practice as a physician. Depending on the medical specialty, medical school graduates complete anywhere from three to seven years of residency training after medical school. Residency training through the School is provided in five specialties.

- Family Medicine (Bismarck—West River Health Services, Hettinger; and Minot—Mercy Medical Center, Williston)
- Internal Medicine (Fargo)
- Surgery (Fargo, Grand Forks)
- Psychiatry (Fargo)
- Transitional (Fargo)—a yearlong program designed to introduce graduates to a wide range of medical and surgical specialties. The goal is to build a broad foundation of clinical skills as a base for future training in a medical specialty.

(An additional program in Family Medicine is provided through Altru Health System in Grand Forks.)

The School is or will provide funding to support the following new residency programs:

- Altru Health System Family Medicine Program—a rural track as part of the family medicine program.
- UND Family Medicine programs at Bismarck and Minot—a rural track located in Hettinger and Williston.
- UND Surgery Program—a rural track designed to train general surgeons for practice in rural areas of North Dakota and the region.
- UND Rural Psychiatry Program—training in providing behavioral and mental health care that will emphasize telemedicine approaches to improve patient access.
- St. Alexius Medical Center
 - Novel hospitalist training program with development of a rural hospitalist model (please see the next page).
 - Geriatrics training to care for North Dakota's aging population.
- UND Obstetrics and Gynecology Program—to begin planning for an OB-GYN training program to potentially accept its first residents in 2017.

The University of North Dakota School of Medicine and Health Sciences partnered with West River Health Services in Hettinger and Mercy Medical Center in Williston in training physicians to practice rural family medicine. The first residents began training on July 1.

"We are excited to be offering the UND residency program in Williston," said Matt Grimshaw, president of Mercy Medical Center. "This will be a significant development for our community. We hope the program will increase the capacity for primary care while providing a very good experience for the residents."

"The Rural Training Track (RTT) is a great opportunity for WRHS and all of rural North Dakota," said Jim Long, CEO and administrator of West River Health Services. "The state needs more primary care physicians to meet the health needs of our rural communities. The RTT not only assists in the education of these medical professionals but also gives medical students a real-life experience of rural medicine. Following such an experience, the physician can then accept what one of our former (retired) physicians described to be 'The best job in the world.'"



Matt Grimshaw



Jim Long

EDUCATE

Where a doctor completes a residency is a good predictor of where that doctor will practice. As the School expands its medical student class sizes, it is simultaneously increasing residency slots; otherwise, all of the School's medical school graduates would be destined to do training out of state. If a UND medical school graduate completes a residency in North Dakota, there is a 2 out of 3 chance that graduate will practice within the state.

The Hospitalist Fellowship Program at St. Alexius Medical Center in Bismarck is a one-year program that started in 2012 in collaboration with the University of North Dakota School of Medicine and Health Sciences. The program is designed for family medicine or internal medicine graduates who are interested in pursuing a career as a hospitalist. The fellowship program began in July of 2012 with two fellows. The program was well-received and successful and expanded to four fellows in 2013. The fellows worked directly with the St. Alexius' hospitalist team.

Suhail Alkilani, MD; Sulakshna (Sue) Dhamija, MD; and Taleb Taha, MD, graduated from the Hospitalist Fellowship Program in June 2014.

Suhail Alkilani, MD, earned his medical degree from the University of Aleppo, Syrian Arab Republic. He completed a family medicine residency at the University of North Dakota Center for Family Medicine in Minot. Dr. Alkilani has joined Trinity Health in Minot.

Taleb Taha, MD, earned his medical degree from the University of Cairo, Egypt. He completed a family medicine residency program at the UND Center for Family Medicine in Bismarck, North Dakota. Dr. Taha is



Suhail Alkilani



Taleb Taha

now practicing as a St. Alexius Medical Center Hospital Medicine faculty member.

Sulakshna (Sue) Dhamija, MD, earned her medical degree from Grant Medical College in Bombay, India. She completed a family medicine residency program at Hofstra-North Shore Long Island Jewish School of Medicine in Glen Cove, New York. Dr. Dhamija has joined the Center for Family Medicine in Bismarck as an assistant professor in the Department of Family and Community Medicine.



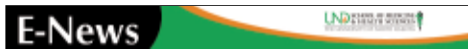
Sulakshna (Sue) Dhamija



During a stress test training exercise conducted at the Center for Family Medicine in Bismarck, second-year resident Meghan Hendrickson, MD '13, points to a reading on the monitor to faculty physician Mary Nybakken, MD '08, while Dennis Rohr participates as the volunteer patient.

EDUCATE, DISCOVER, SERVE

Keep your finger on the pulse of the latest news and events from the School of Medicine and Health Sciences



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kristen.peterson@med.und.edu.

(701) 777-4305.



See familiar faces posted on our Flickr account:

<http://www.flickr.com/photos/undsmhs/>

If you would like further details about the information in this Community Report or the programs, departments, or research at the School, please contact Denis MacLeod, assistant director, Office of Alumni and Community Relations, UND School of Medicine and Health Sciences, (701) 777-2733, denis.macleod@med.und.edu

Vital Signs 2014 represents the good-faith effort of the UND School of Medicine and Health Sciences to provide current and accurate information about the School. Numerous sources were used in gathering the information found in this community report. We welcome corrections, which we will incorporate in subsequent issues of *Vital Signs*.